

START

0024327 ²⁴

ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN **169777**

Proj.
ECN

2. ECN Category (mark one)	Supplemental <input type="checkbox"/>	Change ECN <input type="checkbox"/>	Supersedure <input type="checkbox"/>
Cancel/Void <input type="checkbox"/>	Direct Revision <input checked="" type="checkbox"/>	Temporary <input type="checkbox"/>	Discovery <input type="checkbox"/>


3. Originator's Name, Organization, MSIN, and Telephone No. F. W. Gustafson, Env. Rest. Eng, H4-55, 376-1736	4. Date 10/06/92
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5. Project Title/No./Work Order No. North Slope Expedited Response Action Field Sampling Plan	6. Bldg./Sys./Fac. No. n/a	7. Impact Level 3Q
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8. Document Number Affected (include rev. and sheet no.) WHC-SD-EN-AP-099, Rev. ②	9. Related ECN No(s). n/a	10. Related PO No. n/a
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11a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 11b) <input checked="" type="checkbox"/> No (NA Blks. 11b, 11c, 11d)	11b. Work Package Doc. No. n/a	11c. Complete Installation Work n/a _____ Cog. Engineer Signature & Date	11d. Complete Restoration (Temp. ECN only) n/a _____ Cog. Engineer Signature & Date
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12. Description of Change
Incorporated EPA and Ecology comments. Changes included increasing the number of characterization boreholes and field monitoring intervals. A portion of the samples will be analyzed using Level IV, CLP analytical protocol.



13a. Justification (mark one)	Criteria Change <input type="checkbox"/>	Environmental <input checked="" type="checkbox"/>	Facilitate Const. <input type="checkbox"/>
Design Error/Omission <input type="checkbox"/>	Design Improvement <input type="checkbox"/>	As-Found <input type="checkbox"/>	Const. Error/Omission <input type="checkbox"/>

13b. Justification Details
Changes are a result of document reviews by EPA and Ecology

14. Distribution (include name, MSIN, and no. of copies) See attached	RELEASE STAMP OFFICIAL RELEASE (11) BY WHC DATE OCT 21 1992 <i>Station #21</i>
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15. Design Verification Required
 Yes
 No

16. Cost Impact

ENGINEERING	CONSTRUCTION
Additional <input type="checkbox"/> \$	Additional <input type="checkbox"/> \$
Savings <input type="checkbox"/> \$	Savings <input type="checkbox"/> \$

17. Schedule Impact (days)

Improvement
 Delay


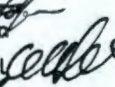
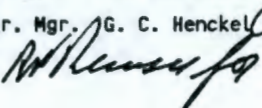
18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

SDD/DD	<input type="checkbox"/>	Seismic/Stress Analysis	<input type="checkbox"/>	Tank Calibration Manual	<input type="checkbox"/>
Functional Design Criteria	<input type="checkbox"/>	Stress/Design Report	<input type="checkbox"/>	Health Physics Procedure	<input type="checkbox"/>
Operating Specification	<input type="checkbox"/>	Interface Control Drawing	<input type="checkbox"/>	Spares Multiple Unit Listing	<input type="checkbox"/>
Criticality Specification	<input type="checkbox"/>	Calibration Procedure	<input type="checkbox"/>	Test Procedures/Specification	<input type="checkbox"/>
Conceptual Design Report	<input type="checkbox"/>	Installation Procedure	<input type="checkbox"/>	Component Index	<input type="checkbox"/>
Equipment Spec.	<input type="checkbox"/>	Maintenance Procedure	<input type="checkbox"/>	ASME Coded Item	<input type="checkbox"/>
Const. Spec.	<input type="checkbox"/>	Engineering Procedure	<input type="checkbox"/>	Human Factor Consideration	<input type="checkbox"/>
Procurement Spec.	<input type="checkbox"/>	Operating Instruction	<input type="checkbox"/>	Computer Software	<input type="checkbox"/>
Vendor Information	<input type="checkbox"/>	Operating Procedure	<input type="checkbox"/>	Electric Circuit Schedule	<input type="checkbox"/>
OM Manual	<input type="checkbox"/>	Operational Safety Requirement	<input type="checkbox"/>	ICRS Procedure	<input type="checkbox"/>
FSAR/SAR	<input type="checkbox"/>	IEFD Drawing	<input type="checkbox"/>	Process Control Manual/Plan	<input type="checkbox"/>
Safety Equipment List	<input type="checkbox"/>	Cell Arrangement Drawing	<input type="checkbox"/>	Process Flow Chart	<input type="checkbox"/>
Radiation Work Permit	<input type="checkbox"/>	Essential Material Specification	<input type="checkbox"/>	Purchase Requisition	<input type="checkbox"/>
Environmental Impact Statement	<input type="checkbox"/>	Fac. Proc. Samp. Schedule	<input type="checkbox"/>		<input type="checkbox"/>
Environmental Report	<input type="checkbox"/>	Inspection Plan	<input type="checkbox"/>		<input type="checkbox"/>
Environmental Permit	<input type="checkbox"/>	Inventory Adjustment Request	<input type="checkbox"/>		<input type="checkbox"/>

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number Revision
--------------------------	--------------------------	--------------------------

20. Approvals

	Signature	Date		Signature	Date
OPERATIONS AND ENGINEERING			ARCHITECT-ENGINEER		
Cog./Project Engineer F.W. Gustafson		10/8/92	PE		
Cog./Project Engr. Mgr. G. C. Henckel		10/13/92	QA		
QA R. L. Hand		10-8-92	Safety		
Safety			Design		
Security			Other		
Proj. Prog./Dept. Mgr.					
Def. React. Div.					
Chem. Proc. Div.					
Def. Wst. Mgmt. Div.			DEPARTMENT OF ENERGY		
Adv. React. Dev. Div.					
Proj. Dept.					
Environ. Div.			ADDITIONAL		
IRM Dept.					
Facility Rep. (Ops.)					
Other					

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SUPPORTING DOCUMENT

1. Total Pages ^{1E} 1520

2. Title

NORTH SLOPE EXPEDITED RESPONSE ACTION FIELD SAMPLING PLAN

3. Number

WHC-SD-EN-AP-099

4. Rev No.

1

5. Key Words

Wahluke, North Slope, landfills, Nike, military, expedited response action, sample

APPROVED FOR PUBLIC RELEASE

6. Author

Name: F. W. Gustafson

F. W. Gustafson 9/20/92
Signature

Organization/Charge Code 81225/PC131

7. Abstract

9/21/92 N. Solis

This plan describes the tasks associated with characterization of military landfills located on Hanford's North Slope. The landfills are included in an expedited response action being taken in the area. The intent of this sampling effort is to determine if significant quantities of hazardous substances were disposed of in the landfills. This information will be used to determine if remedial actions are required at the landfills.

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10. RELEASE STAMP

OFFICIAL RELEASE
BY WHC (11)
DATE OCT 21 1992
Station # 21

9. Impact Level 3Q

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1.0 SCOPE OF WORK

This document provides details for characterization sampling of North (Wahluke) Slope military landfills. These landfills are waste sites included in a proposed expedited response action (ERA), which entails accelerated characterization/cleanup activities at waste sites located on Hanford's North slope. The ERA is promulgated by the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) (Ecology et al 1991).

The sampling efforts are necessary in determining the presence and extent (if contamination is present) of environmental contamination at the military landfills. This sampling plan will serve as a field guide for those performing the work. It should be used in conjunction with WHC (1988a) environmental investigation instructions (EII) which provide specific sampling procedures.

This sampling effort is the initial phase of the North Slope ERA and entails only the sampling of military landfills. Sampling locations are based on the results of geophysical surveys conducted over the landfills of interest. Additional characterization efforts may be conducted based on the results of the initial sampling effort. A separate sampling plan will be prepared for all additional sampling efforts.

1.1 SITE DESCRIPTION

The North Slope area was used for military defense of the Hanford Site. Defense positions originally consisted of seven anti-aircraft gun emplacements that were eventually replaced with three Nike missile positions. There has been no permanent military installations in the area since approximately 1960. Due to the remote location of these facilities, garbage collection was not practicable and onsite landfills were used to dispose of generated wastes.

The specific contents of these landfills is unknown. It is expected that domestic trash makes up the majority of the contents of these landfills. The Nike missile sites may have contributed more hazardous constituents as operational information indicates JP-3 fuel, red-fuming nitric acid, aniline, hydrazine, and trichloroethylene were used in support of missile operations. Evidence also indicates that limited vehicle maintenance was performed at these sites and may have contributed wastes including oil and solvents to the contents of the landfills.

Materials evident on the surface of these landfills include military paint and oil cans, pop and beer bottles as well as demolition wastes from decommissioning of the military sites. Demolition wastes may potentially include asbestos based materials such as transite and electrical transformers containing polychlorinated biphenyl (PCB).

It is assumed that the environmental hazards (if any) posed by these landfills will be common as the layout (as noted in field reconnaissance and as-built drawings) and operations conducted at the sites were essentially the same. In an effort to minimize the environmental impact posed by performing intrusive characterization activities, landfill areas at three of the military sites have been identified as representative of all the North Slope military landfills (Figure 1).

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The three landfills selected include one Nike missile launch site landfill, one anti-aircraft gun position landfill and one landfill that was used to dispose of wastes from both a Nike missile and anti-aircraft site. The results of the investigations at these landfills will be considered to be representative of the remaining sites.

2.0 GENERAL REQUIREMENTS

2.1 APPLICABLE PROCEDURES

All personnel working to this description will perform work in accordance with the following:

- WHC-EP-0383, *Environmental Engineering, Technology, and Permitting Function Quality Assurance Program Plan* (WHC 1990)
- WHC-CM-4-10, *Radiation Protection* (WHC 1988b)
- WHC-CM-4-11, *ALARA Program Manual* (WHC 1988c)
- WHC-CM-4-3, *Industrial Safety Manual*, Vol. 1 through 3, (WHC 1987)
- WHC-CM-7-5, *Environmental Compliance Manual* (WHC 1988d)
- Site-specific Hazardous Waste Operations Plan or job safety analysis
- WHC-CM-7-7, *Environmental Investigations and Site Characterization Manual* (WHC 1988a).

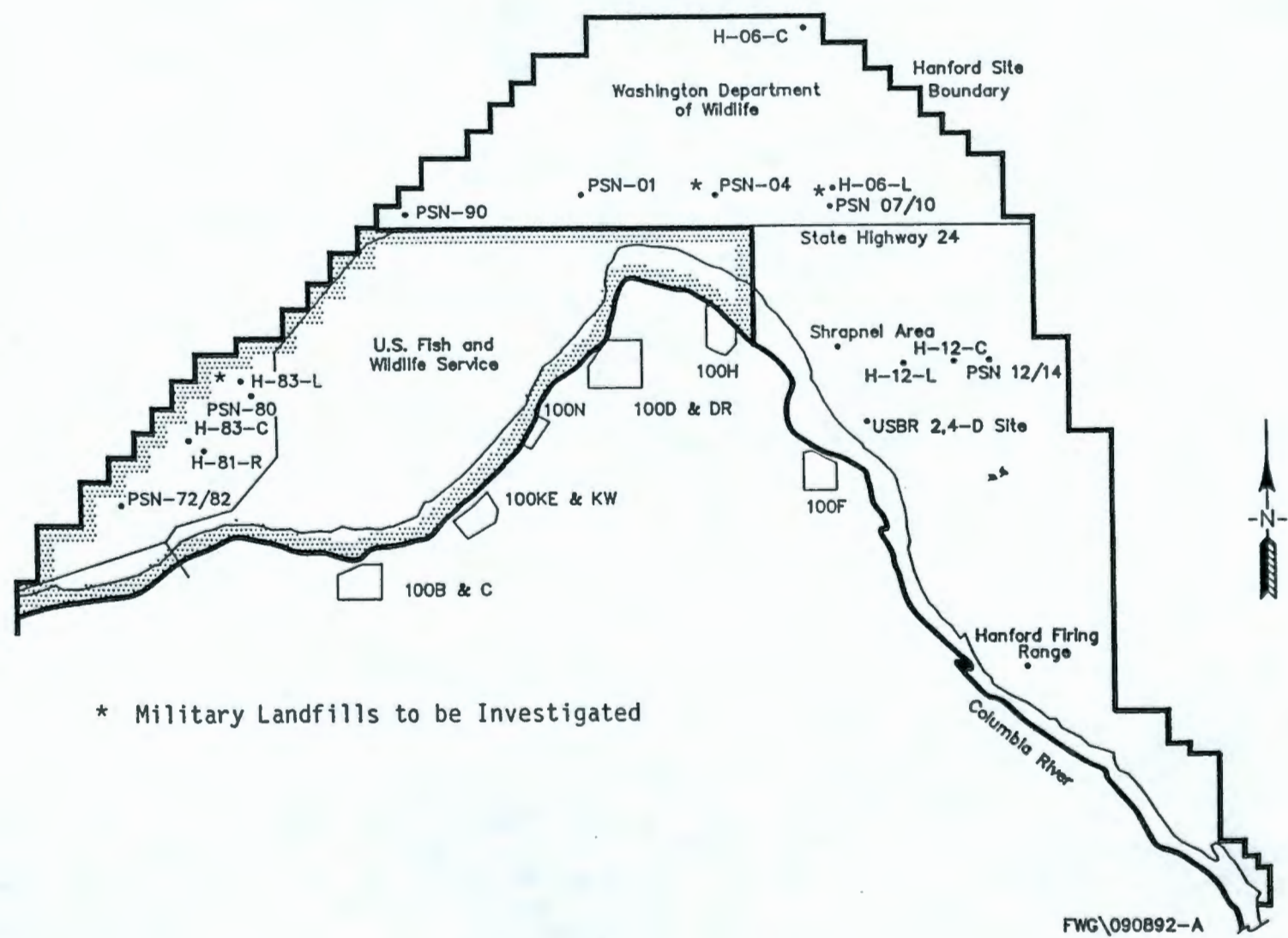
The associated field activities will also conform to the requirements of an existing safety assessment for soil sampling prior to initiation of the field activities. The requirements of this assessment may potentially impact specific sampling protocol. All changes resulting from this assessment will be documented utilizing an ERA Sampling Project Change Form (Attachment 1).

2.2 PREREQUISITES

A readiness review (RR) for the military landfill sampling efforts will be completed by the cognizant engineer before sampling is attempted. The RR will be completed per EII 1.13, Environmental Engineering and Geotechnology Readiness Review (WHC 1988a). The Sampling Status Checklist (Attachment 2) will be initiated by the cognizant engineer or field team leader and dated as each step of the task is completed.

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Figure 1 - Locations of North Slope Waste Sites



2.3 DATA QUALITY OBJECTIVES

The data obtained from this sampling effort will be used to determine if hazardous substances are present in the landfills at levels that warrant remedial efforts. Field screening samples will be taken and analyzed using EPA level I and II analytical methods to determine if contamination is present or not. If field screening samples indicate there is contamination, a second sample from the same location will be sent off site for confirmatory analysis using either EPA level III or IV analytical methods. A minimum of 1 sample per anomaly area will be taken for level III analysis regardless of field screening results. Also, a minimum of 10% of the samples sent off-site for analysis, to a maximum of 10 samples, will be analyzed using EPA level IV analytical methods. This will confirm the validity of the field screening and level III analysis.

3.0 SAMPLING AND FIELD ACTIVITIES

3.1 SAMPLE LOCATIONS

Three potential landfill areas were initially identified during field reconnaissance activities, which discovered partially buried debris and other surface disturbances that included areas of subsidence. These areas were then investigated utilizing geophysical methods which identified numerous subsurface anomalies exhibiting boundaries similar to those of a typical shallow trench disposal operation (Attachment 2).

Samples will be taken from within areas suspected of being disposal sites. A hollow-stem auger will be used in obtaining the samples. Cuttings from the auger will be screened for organic vapors at 2 ft intervals using an Organic Vapor Monitor (OVM). If contamination is noted by the OVM, a sample will be taken for field screening purposes at the approximate level where contamination was noted. If no contamination is seen during auguring, a field screening sample will be obtained at the approximately the 10 ft level or the landfill bottom as discernable from field observations. At least one sample per anomaly will be taken for offsite analyses. Additional sampling locations/intervals may be selected at the discretion of the field team leader.

Auguring locations were determined based upon the results of the geophysical surveys. The larger the anomaly identified by the geophysical survey, the more auguring locations. Exact location of the borings within each anomaly will be chosen prior to sampling. Borings will be located as close as possible to the center of the more significant anomalies identified by the geophysical surveys and near areas of subsidence or stressed vegetation.

Approximately 45 auguring locations have been identified. Table 1 identifies the number of auguring locations within each major anomaly in each landfill.

LANDFILL NAME	ANOMALY	ESTIMATED NUMBER OF AUGURING LOCATIONS
H-06-H West	A-2	2-3
	A-5	3-4
	A-7	2
	A-16	2
	A-19	3-4
	One additional auger location will be chosen from the remaining, less significant anomalies	
H-06-H East	A-2	1
	A-6	3-4
	A-11	3-4
	A-12	2
	One additional auger location will be chosen from the remaining, less significant anomalies	
H-83-L	A-1	2-3
	A-2	2-3
	A-3	2-3
	A-4	1
PSN-04 East	A-1	3-4
PSN-04 West	A-1	2-3
	A-2	3
	A-3	2-3

Table 1, Auguring Locations at North Slope Landfills

Each sampling location and pertinent information will be documented in the field logbook. The logbook will be used and maintained per EII 1.5, Field Logbooks (WHC 1988a).

3.2 SAMPLE COLLECTION

Soil samples shall be collected per EII 5.2, Soil and Sediment Sampling, using a split tube sampler. A field logbook will be used to document activities associated with the sample collection. The logbook will be used and maintained per EII 1.5, Field Logbooks (WHC 1988a).

Approximately 45 field screening samples will be collected (One sample per borehole). This assumes that no contamination is noted with the OVM. If

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contamination is noted with the OVM, a field screening and off-site laboratory sample of the contaminated material will be taken. A minimum of 27 samples will be collected for offsite laboratory analyses regardless of apparent contamination using the OVM. The includes quality assurance/quality control (QA/QC) samples. The equipment blank media shall be silica sand. The following is a summary of the estimated number of samples to be collected (Note: the sample numbers below assume one sample is taken from landfill).

- 66 samples from the landfills, 45 for field screening and 21 for offsite laboratory analyses
- 2 equipment blank (offsite laboratory analyses)
- 2 duplicate sample (offsite laboratory analyses)
- 2 split sample (offsite laboratory analyses).

3.3 SAMPLE LABELING

The Hanford Environmental Information System (HEIS) is used to track the sample and laboratory data obtained during environmental investigations conducted under this description of work. Each sample will be identified and labeled with a unique HEIS sample number. HEIS numbers will be assigned in the field per the HEIS user's manual (WHC 1988a). The sample location and corresponding HEIS numbers will be documented in the field logbook.

The date and time of collection as well as project name will also appear on the sample label.

4.0 SAMPLE ANALYSES

Samples sent for offsite analyses will be analyzed for the contaminants identified in Table 2 using SW-846 or CLP protocol. Specific field screening analyses performed on each sample will depend on field conditions. Typical field analyses will include pH, heavy metals, volatile organic compounds, petroleum hydrocarbons and PCB.

A total activity analysis will also be performed on samples requiring offsite shipment (no radiological contamination is expected). Sample custody will follow EII 5.1, Chain of Custody (WHC 1988a). Total activity analysis will be performed in accordance with standard operating procedures developed for the 222-S Laboratory.

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PARAMETER/ANALYSIS	ANALYTICAL METHOD		HOLDING TIME
	LEVEL IV	LEVEL III	
VOA	CLP	SW-846/8240	10 Days
Semi-VOA	CLP	SW-846/8270	7 Days ¹
PCB/Pests	CLP	SW-846/8080	7 Days ¹
Phosphorus Pests	SW-846/8190	SW-846/8190	7 Days ¹
Herbicides	SW-846/8150	SW-846/8150	7 Days ¹
ICP Metals	CLP	SW-846/6010	6 Months
AA Metals	CLP		
As		SW-846/7060	6 Months
Pb		SW-846/7420	6 Months
Se		SW-846/7740	6 Months
Tl		SW-846/7840	6 Months
Hg	CLP	SW-846/7471	28 Days
ANIONS			
F, Cl, PO ₄ , SO ₄	EPA 300.0	EPA 300.0	28 Days
NO ₂ - NO ₃	EPA 353.2	EPA 353.2	28 Days
Chromium VI	EPA 218.4	EPA 218.4	24 Hours ²
Total Petroleum Hydrocarbons	EPA 418.1	EPA 418.1	28 Days
Total Activity	LA-548-111 LA-508-121	LA-548-111 LA-508-121	ASAP

¹ 7 days for extraction, 40 days analysis

² Analysis is for information only, WHC understands holding times will be missed

Table 2, Analytical Methods

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5.0 QA/QC REQUIREMENTS

Internal QA/QC samples shall be collected as specified by DOE-RL (1991) Appendix A, and documented in the sampling logbook per EII 1.5, Field Logbooks (WHC 1988a). Quality assurance samples will include one equipment blank sample, one duplicate sample and one split sample for every 20 soil samples collected for off-site analysis. The trip blank and field blank have been deleted per OSWER Directive 9355.0-7B Appendix C, Section C.6 (p.13). The equipment blank media shall be silica sand.

6.0 SCHEDULE

Sampling activities are scheduled to begin during October 12. Time for completing the sampling effort is estimated at 2 to 3 weeks depending on the amount of sampling required.

7.0 CHANGES TO DESCRIPTION OF WORK

Unforeseeable major changes to this sampling plan, such as analyzing for additional parameters or using different analytical methods, will be submitted on the Project Change Form (Attachment 3). The change will require, at least, the verbal approval of field team leader, project engineer and the lead regulatory agency. The change will be filed as an Engineering Change Notice and a copy will be inserted into the project file.

Copies will be submitted to the regulatory agencies and the appropriate field personnel within 10 working days of the change. Foreseeable changes will be submitted to the regulators for approval or review prior to deviating from the sampling plan.

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8.0 REFERENCES

- EPA, 1986, *Test Methods for Evaluating Solid Waste Physical/Chemical Methods*, SW-846, U.S. Environmental Protection Agency, Washington, D.C.
- WHC, 1987, *Industrial Safety Manual*, WHC-CM-4-3, Vol. 1 through 3, Westinghouse Hanford Company, Richland, Washington.
- WHC, 1988a, *Environmental Investigations and Site Characterization Manual*, WHC-CM-7-7, Westinghouse Hanford Company, Richland, Washington,
- WHC, 1988b, *Radiation Protection*, WHC-CM-4-10, Westinghouse Hanford Company, Richland, Washington.
- WHC, 1988c, *ALARA Program Manual*, WHC-CM-4-11, Westinghouse Hanford Company, Richland, Washington.
- WHC, 1988d, *Environmental Compliance Manual*, WHC-CM-7-5, Westinghouse Hanford Company, Richland, Washington.
- WHC, 1990a, *Environmental Engineering, Technology, and Permitting Function Quality Assurance Program Plan*, WHC-EP-0383, Westinghouse Hanford Company, Richland, Washington.

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ATTACHMENT 1

NORTH SLOPE MILITARY LANDFILL
EXPEDITED RESPONSE ACTION
SAMPLING CHECKLIST

Activity Performed

Signature/Date

PRE-JOB SAFETY MEETING COMPLETED

SAMPLES COLLECTED AND LABELED

LAB SAMPLES SURVEYED BY HPT

LAB SAMPLES PACKAGED IN SHIPPING CONTAINER

TOTAL ACTIVITY SCAN OF LAB SAMPLES COMPLETED

CHAIN OF CUSTODY FORM COMPLETED

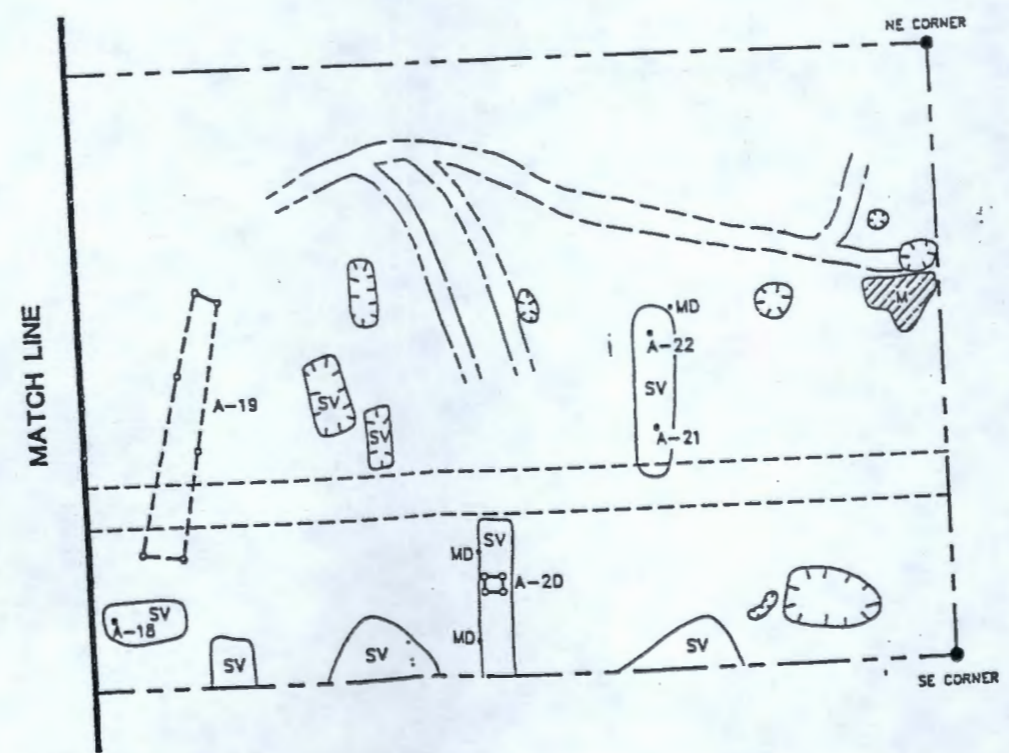
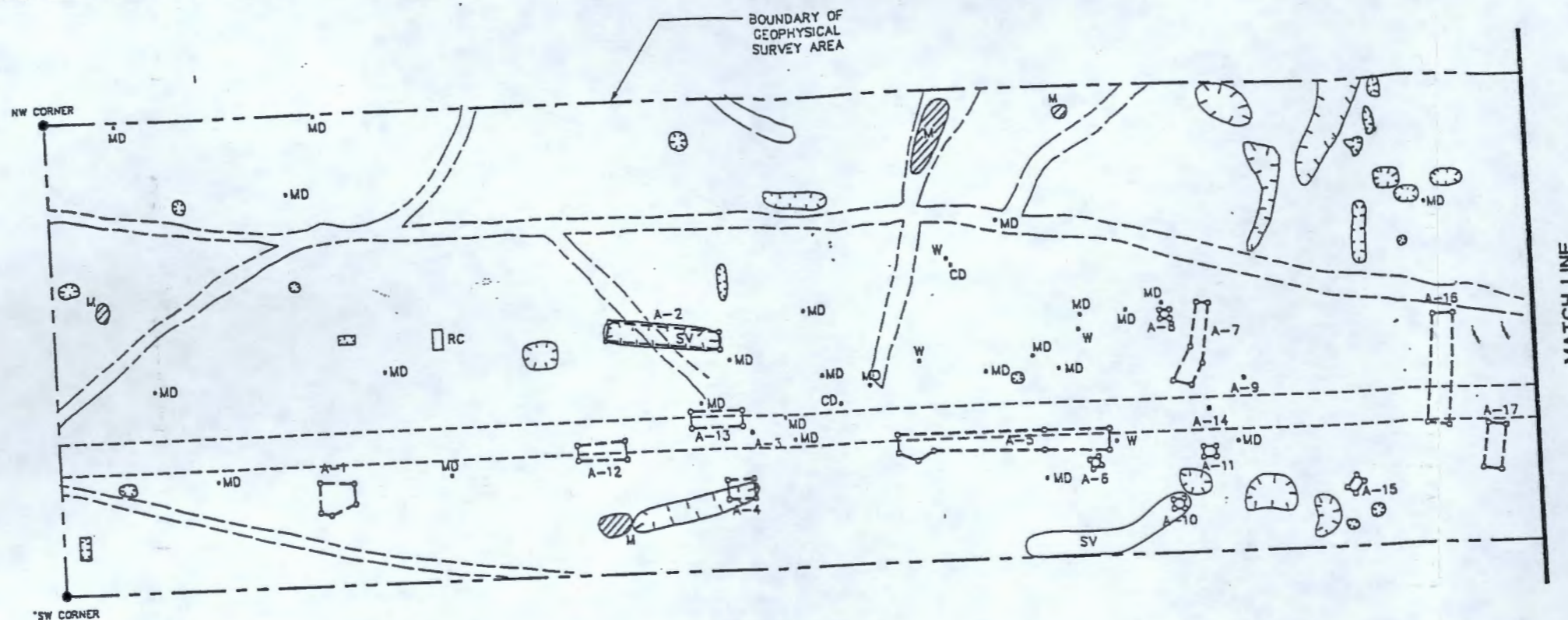
SAMPLES SHIPPED TO LABORATORY

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**ATTACHMENT 2
SAMPLING LOCATIONS AT EACH LANDFILL SITE**

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199806-C1
 DRAWING NUMBER
 1/10/92
 9/10/92
 CHECKED BY
 APPROVED BY
 L.C.
 SDJF
 9-10-92
 DRAWN BY



- LEGEND:**
- MD METALLIC SURFACE DEBRIS
 - MOUND/SOIL STOCKPILE
 - RC REINFORCED CONCRETE
 - SV STRESSED VEGETATION
 - W WOOD DEBRIS
 - CD CONSTRUCTION DEBRIS
 - DEPRESSION
 - ABANDONED DIRT ROAD
 - PIT OR TRENCH CONTAINING BURIED METALLIC/NONMETALLIC DEBRIS
 - STAKE MARKING CORNER OF GEOPHYSICAL SURVEY AREA

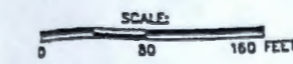
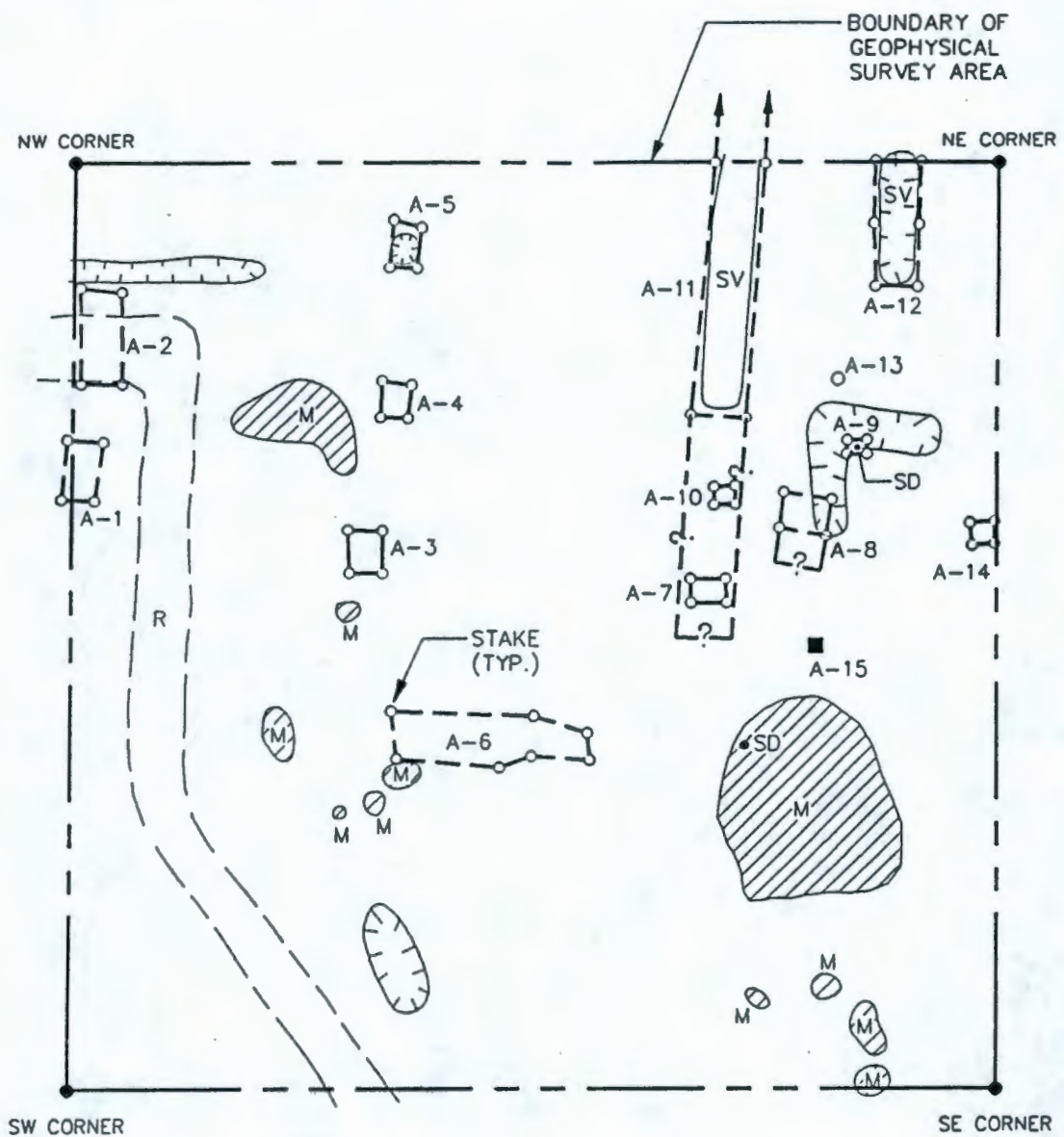


FIGURE 2
 SITE MAP WITH GEOPHYSICAL INTERPRETATION
 SITE H-06-H (WEST)
 WAHLUKE (N) SLOPE
 PREPARED FOR
 WESTINGHOUSE HANFORD COMPANY
 RICHLAND, WASHINGTON



9312091-1192

DRAWN BY SDJF 9-9-92 CHECKED BY LC 7/10/92 APPROVED BY LC 9/10/92 DRAWING NUMBER 199806-A4



LEGEND:

- NW CORNER STAKE MARKING CORNER OF GEOPHYSICAL SURVEY AREA
- M MOUND/SOIL STOCKPILE
- ⊖ SURFACE DEPRESSION
- R DIRT ROAD
- SD METALLIC SURFACE DEBRIS
- SV STRESSED VEGETATION
- A-13 ○ BURIED METALLIC OBJECT (STAKED)
- A-15 ■ BURIED METALLIC OBJECT (NOT STAKED)
- ┌───┐
│ A-1 │
└───┘ PIT OR TRENCH CONTAINING BURIED METALLIC/NONMETALLIC DEBRIS

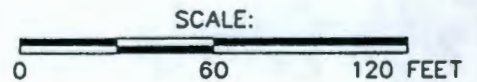


FIGURE 3

SITE MAP WITH
GEOPHYSICAL INTERPRETATION
SITE H-06-H (EAST)
WAHLUKE (N) SLOPE

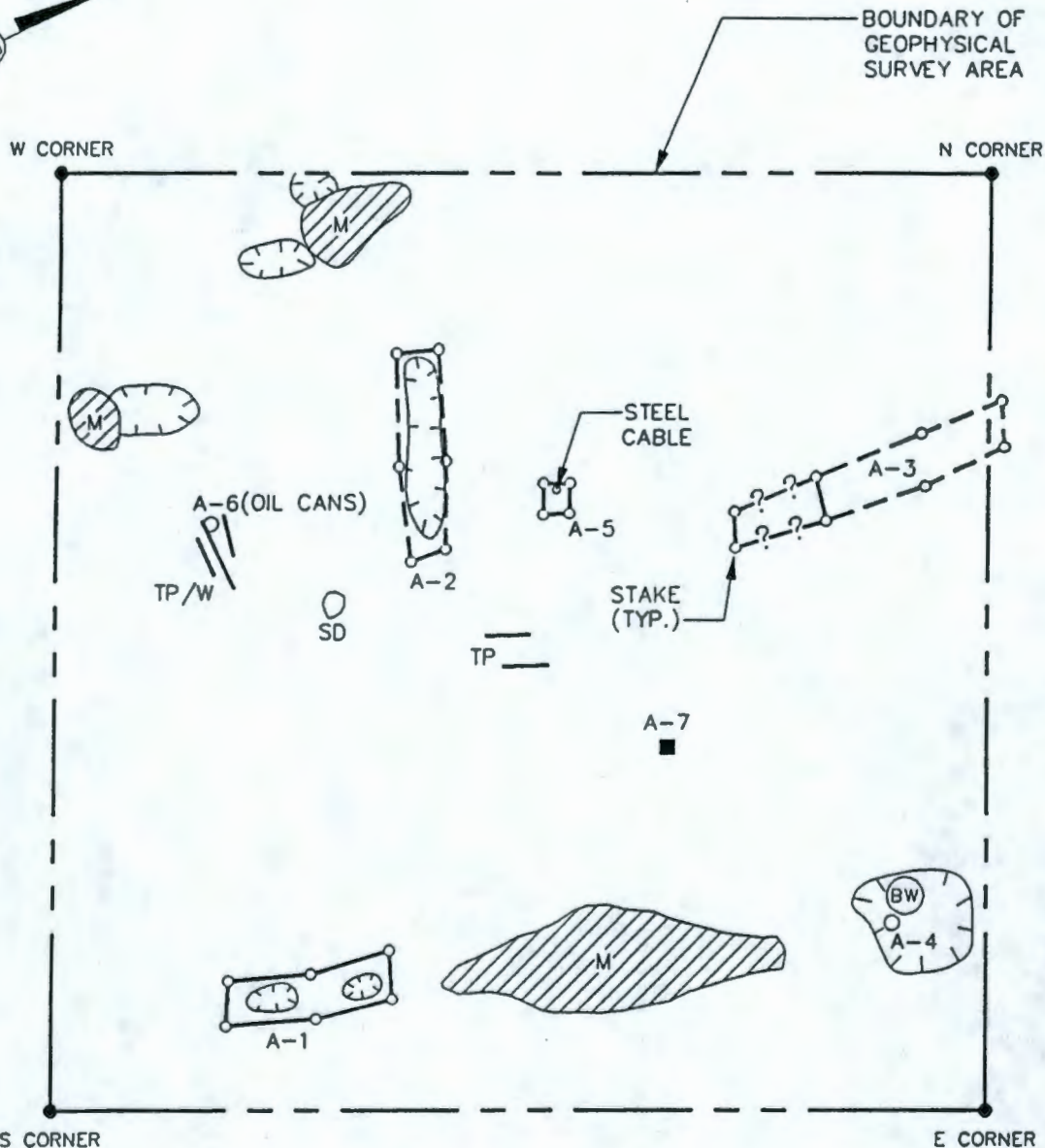
PREPARED FOR

WESTINGHOUSE HANFORD CO.
RICHLAND, WASHINGTON



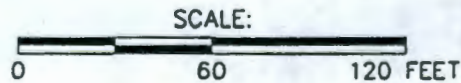
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DRAWN BY SDJF 9-9-92 CHECKED BY FC 7/10/92 APPROVED BY FC 7/10/92 DRAWING NUMBER 199806-A5



LEGEND:

- NW CORNER STAKE MARKING CORNER OF GEOPHYSICAL SURVEY AREA
- M MOUND/SOIL STOCKPILE
- ⊗ SURFACE DEPRESSION
- BW BARBED WIRE
- W WOOD DEBRIS
- TP TELEPHONE POLE
- SD METALLIC SURFACE DEBRIS
- A-1 BURIED METALLIC OBJECT (NOT STAKED)
- A-6 GEOPHYSICAL ANOMALY (STAKED)
- A-1 PIT OR TRENCH CONTAINING BURIED METALLIC/ NONMETALLIC DEBRIS (QUERIED WHERE UNCERTAIN)



FIGURE

**SITE MAP WITH
GEOPHYSICAL INTERPRETATION
SITE H-83-L
WAHLUKE (N) SLOPE**

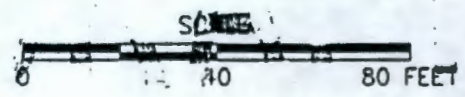
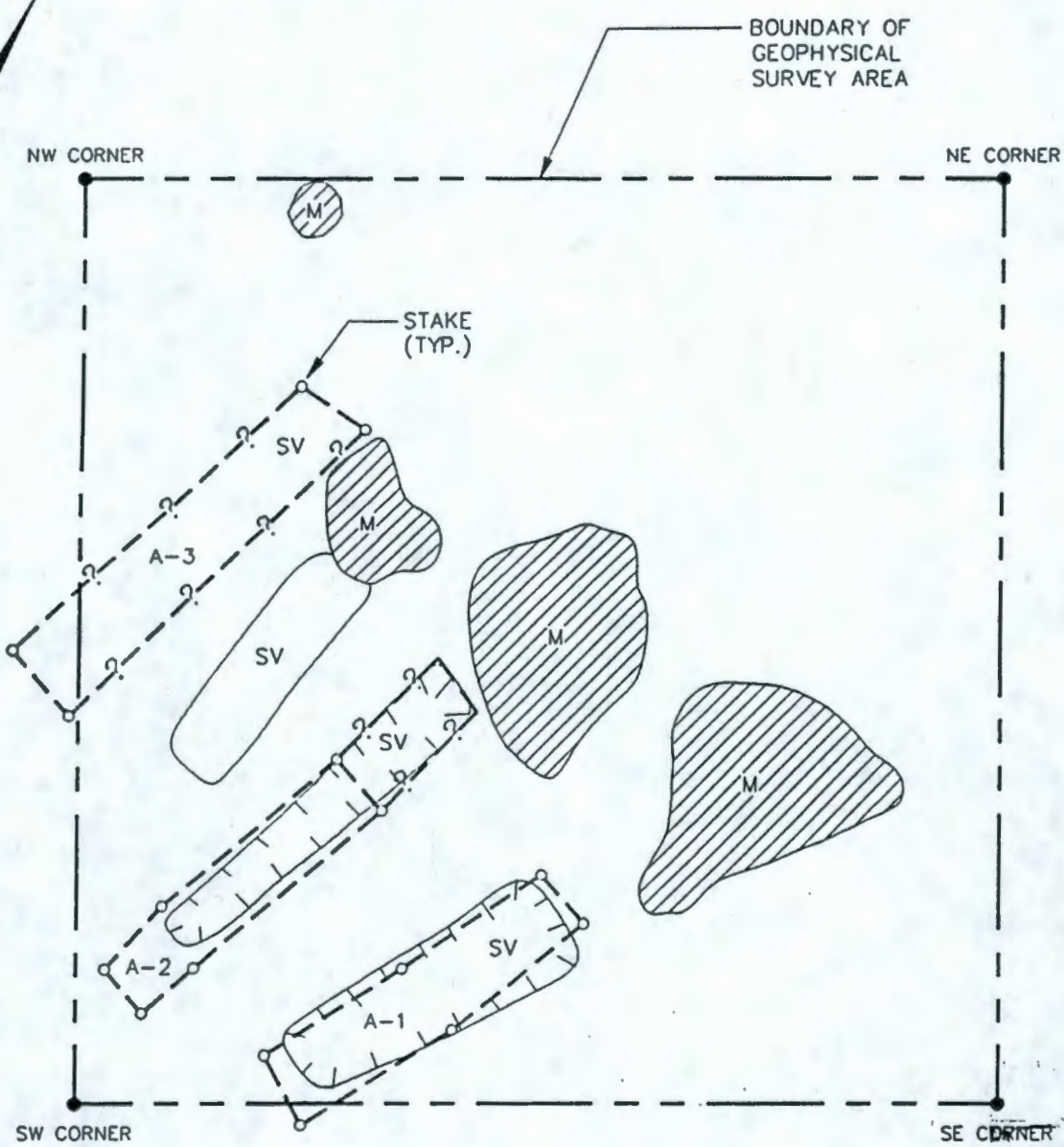
PREPARED FOR

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RICHLAND, WASHINGTON**



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DRAWN BY SDJF 9-9-92 CHECKED BY APPROVED BY 9/10/92 9/10/92 DRAWING NUMBER 199806-A3



LEGEND:

- NW CORNER STAKE MARKING CORNER OF GEOPHYSICAL SURVEY AREA
- MOUND/SOIL STOCKPILE
- SURFACE DEPRESSION
- SV STRESSED VEGETATION
- PIT OR TRENCH CONTAINING BURIED METALLIC/NONMETALLIC DEBRIS (QUERIED WHERE UNCERTAIN)

FIGURE

**SITE MAP WITH
GEOPHYSICAL INTERPRETATION
SITE PSN-04 (WEST)
WAHLUKE (N) SLOPE**

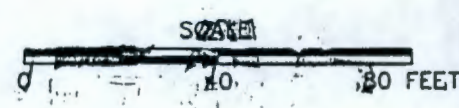
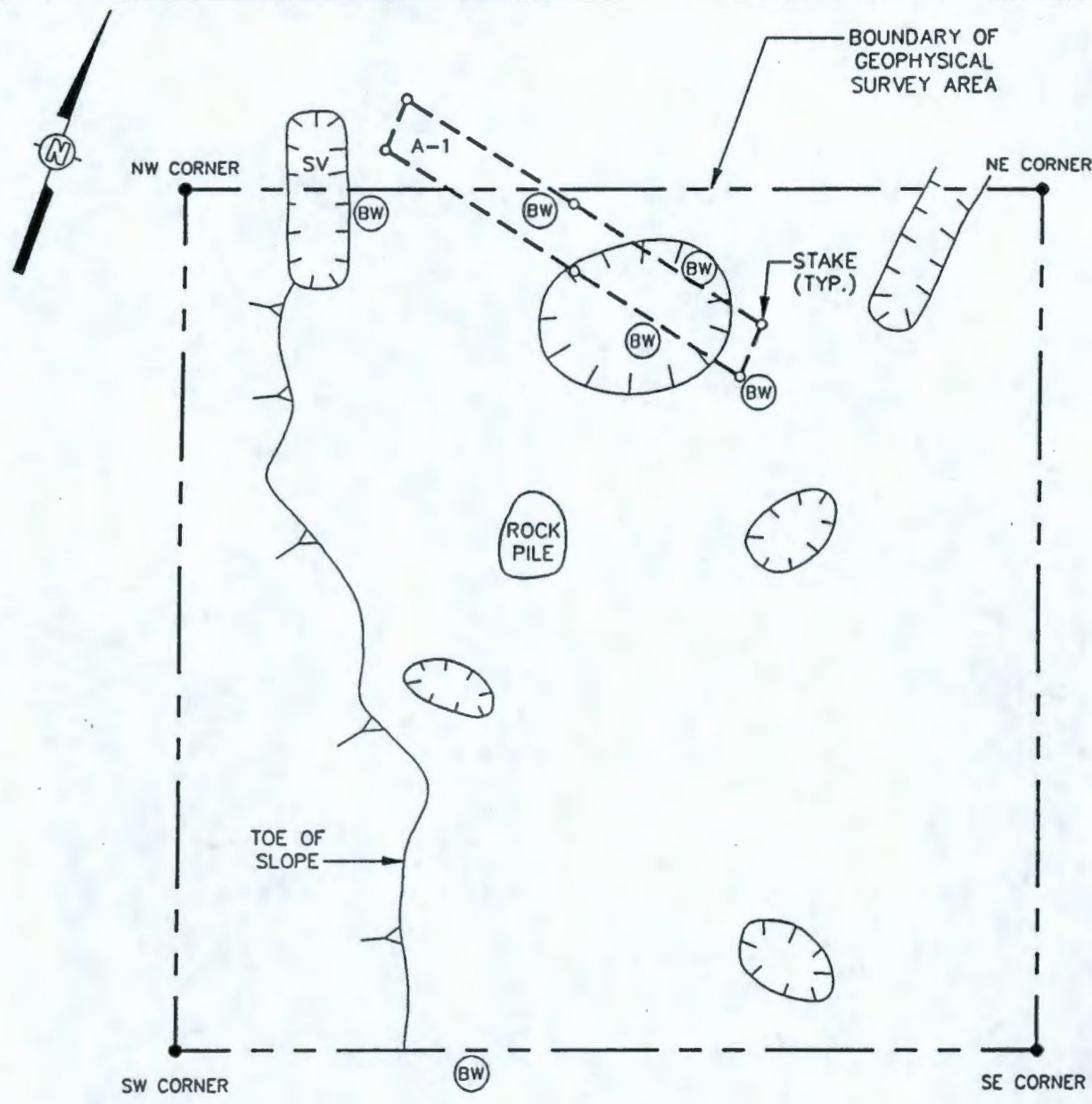
PREPARED FOR

**WESTINGHOUSE HANFORD CO.
RICHLAND, WASHINGTON**



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DRAWN BY: SDJF 9-9-92
 CHECKED BY: [Signature] 7/16/93
 APPROVED BY: LC 9/16/93
 DRAWING NUMBER: 199806-A1



FIGURE

**SITE MAP WITH
 GEOPHYSICAL INTERPRETATION
 SITE PSN-04 (EAST)
 WAHLUKE (N) SLOPE**
 PREPARED FOR
**WESTINGHOUSE HANFORD CO.
 RICHLAND, WASHINGTON**

- LEGEND:**
- NW CORNER STAKE MARKING CORNER OF GEOPHYSICAL SURVEY AREA
 - SURFACE DEPRESSION
 - BW BARBED WIRE
 - SV STRESSED VEGETATION
 - A-1 PIT OR TRENCH CONTAINING BURIED METALLIC/NONMETALLIC DEBRIS



**ATTACHMENT 3
NORTH SLOPE EXPEDITED RESPONSE ACTION PROJECT CHANGE FORM**

Date: _____

Person Initiating Change: _____

Change: _____

Reason for Change: _____

APPROVAL:

Field Team Leader: _____

ERA: _____

Environmental QA Representative: _____

9313091.1496

92

Date Received: 9/16/92
INFORMATION RELEASE REQUEST
Reference: WHC-CM-3-4

Complete for all Types of Release

<input type="checkbox"/> Speech or Presentation <input type="checkbox"/> Full Paper (Check only one suffix) <input type="checkbox"/> Summary <input type="checkbox"/> Abstract <input type="checkbox"/> Visual Aid <input type="checkbox"/> Speakers Bureau <input type="checkbox"/> Poster Session <input type="checkbox"/> Videotape		<input type="checkbox"/> Reference <input checked="" type="checkbox"/> Technical Report <input type="checkbox"/> Thesis or Dissertation <input type="checkbox"/> Manual <input type="checkbox"/> Brochure/Flier <input type="checkbox"/> Software/Database <input type="checkbox"/> Controlled Document <input type="checkbox"/> Other	ID Number (include revision, volume, etc.) WHC-SD-EN-AP-099, REV. 1 List attachments. N/A Date Release Required 9/16/92
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Title NORTH SLOPE EXPEDITED RESPONSE ACTION FIELD SAMPLING PLAN	Unclassified Category UC-	Impact Level 3Q
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New or novel (patentable) subject matter? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes", has disclosure been submitted by WHC or other company? <input type="checkbox"/> No <input type="checkbox"/> Yes Disclosure No(s).	Information received from others in confidence, such as proprietary data, trade secrets, and/or inventions? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Identify)
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Title of Conference or Meeting NA	Group or Society Sponsoring NA
Date(s) of Conference or Meeting NA	City/State NA
Will proceedings be published? <input type="checkbox"/> Yes <input type="checkbox"/> No	Will material be handed out? <input type="checkbox"/> Yes <input type="checkbox"/> No

Title of Journal NA

CHECKLIST FOR SIGNATORIES

Review Required per WHC-CM-3-4	Yes	No	Reviewer - Signature Indicates Approval	Date
			Name (printed)	Signature
Classification/Unclassified Controlled Nuclear Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SW BERGLIN	A. Swerglin
Patent - General Counsel	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Legal - General Counsel	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Applied Technology/Export Controlled Information or International Program	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
WHC Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
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RL Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Publication Services	<input checked="" type="checkbox"/>	<input type="checkbox"/>	M.S. Kowalski	M.S. Kowalski ^{on review} only 9/21/92
Other Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

Information conforms to all applicable requirements. The above information is certified to be correct.

References Available to Intended Audience	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Transmit to DOE-HQ/Office of Scientific and Technical Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Author/Requestor (Printed/Signature)	Date	
F. W. Gustafson <i>[Signature]</i>	9/14/92	

INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP

Stamp is required before release. Release is contingent upon resolution of mandatory comments.



Intended Audience	<input type="checkbox"/> Internal <input type="checkbox"/> Sponsor <input checked="" type="checkbox"/> External
Responsible Manager (Printed/Signature)	Date
W. L. Johnson <i>[Signature]</i>	9/16/92

Date Cancelled	Date Disapproved
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9313091-1497

DISTRIBUTION SHEET

To: Distribution From: Environmental Restoration Date: 10/21/92

Project Title/Work Order:

North Slope Expedited Response Action Field Sampling Plan

EDT No.: ECN No.: 169777

Name	MSIN	With Attachment	EDT/ECN & Comment	EDT/ECN Only
F.W. Gustafson	H4-55	X		
W.L. Johnson	H4-55	X		
G.S. Corrigan	H4-16	X		
C.J. Lynch	H4-51	X		
Central Files	L8-04	X+3		
EDMC (2)	H4-22	X		

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