



Department of Energy

Richland Field Office
P.O. Box 550
Richland, Washington 99352

0030427

9302990

93-RPS-263

Mr. David C. Nylander, Manager
Nuclear and Mixed Waste Program
State of Washington
Department of Ecology
7601 West Clearwater, Suite 102
Kennewick, Washington 99336

JUN 25 1993



Dear Mr. Nylander:

SITE ASSESSMENT CHECKLIST AND REPORT FOR UNDERGROUND STORAGE TANKS 130-K-3A AND 130-K-3B REMOVAL

Enclosed is the completed site assessment checklist and report for the orphan underground storage tanks 130-K-3A and 130-K-3B, removed from the 100-K Area on May 14, 1993. These tanks were abandoned in approximately 1970 and were removed as part of the U.S. Department of Energy, Richland Operations Office orphan tank removal program.

The revised State of Washington Department of Ecology guidance document, "Guidance for Site Checks and Site Assessment for Underground Storage Tanks," effective October 1, 1992, requires that a site assessment report be filed with the site assessment checklist. The assessment was completed on May 26, 1993, when the sample results indicated that the site was clean. The enclosure contains the checklist and associated report. The report was prepared following the format of the site assessment checklist and references from the guidance document.

If you have any questions or require additional information, please call Ms. Annabelle L. Rodriguez on 372-0277.

Sincerely,

James E. Rasmussen, Acting Program Manager
Office of Environmental Assurance,
Permits, and Policy

Enclosure

cc: G. C. Hofer, EPA, w/o encl.
R. F. Stanley, Ecology, w/o encl.
M. A. Mihalic, WHC, w/o encl.
T. M. Wintczak, WHC, w/o encl.
J. Phillips, Ecology, w/original



**SITE ASSESSMENT REPORT
USTs 130-K-3A, 130-K-3B**

UST Site Owner:	U.S. Dept of Energy, Richland Field Office
Owners Address:	825 Jadwin, P.O. Box 550, Richland, WA 99352
Site ID Number:	012763
UST ID Number:	130-K-3A 130-K-3B
Date Removed:	May 13, 1993
Site Assessment Complete:	May 26, 1993



UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

For Office Use Only	
Owner #	_____
Site #	_____

INSTRUCTIONS:

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with Ecology. The results of the site check or site assessment must be included with this checklist. This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section Department of Ecology P. O. Box 47655 Olympia, WA 98504-7655
--

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): 012763

Site/Business Name: U.S. Department of Energy

Site Address: 825 Jadwin Telephone: (509) 376-7387

Street

Richland WA 99352-0550

City State ZIP Code

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
<u>130-K-3A</u>	<u>17,500 gal</u>	<u>Diesel</u>
<u>130-K-3B</u>	<u>17,500 gal</u>	<u>Diesel</u>

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

- Investigate suspected release due to on-site environmental contamination
- Investigate suspected release due to off-site environmental contamination.
- Extend temporary closure of UST system for more than 12 months.
- UST system undergoing change-in-service.
- UST system permanently closed-in-place.
- UST system permanently closed with tank removed.
- Abandoned tank containing product.
- Required by Ecology or delegated agency for UST system closed before 12/22/88.
- Other (describe): _____

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

		YES	NO
1.	The location of the UST site is shown on a vicinity map.	DB	
2.	A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in site assessment guidance)	DB	
3.	A summary of UST system data is provided. (see Section 3.1)	DB	
4.	The soils characteristics at the UST site are described. (see Section 5.2)	DB	
5.	Is there any apparent groundwater in the tank excavation?		DB
6.	A brief description of the surrounding land use is provided. (see Section 3.1)	DB	
7.	Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	DB	
8.	A sketch or sketches showing the following items is provided:		
	- location and ID number for all field samples collected	DB	
	- groundwater samples distinguished from soil samples (if applicable)	N/A	N/A
	- samples collected from stockpiled excavated soil	DB	
	- tank and piping locations and limits of excavation pit	DB	
	- adjacent structures and streets	DB	
	- approximate locations of any on-site and nearby utilities	DB	
9.	If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	DB	
10.	A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	DB	
11.	Any factors that may have compromised the quality of the data or validity of the results are described.	DB	
12.	The results of this site check/site assessment indicate that a confirmed release of a regulated substance has not occurred.	DB	

SITE ASSESSOR INFORMATION

David B. Blumenkranz	Westinghouse Hanford Company
Person registered with Ecology	Firm Affiliated with
Business Address: P.O. Box 1970-H6-04	Telephone: (509) 372-1021
Richland	99353
City	State
WA	ZIP+Code
I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173.360 WAC.	
June 16, 1993	David Blumenkranz
Date	Signature of Person Registered with Ecology

This report has been prepared following the latest site check/site assessment checklist from the Washington State Department of Ecology (Ecology 1992a). Each item is taken directly from the site assessment checklist and several references from the document "Guidance for Site Checks and Site Assessments for Underground Storage Tanks" (Ecology 1992b).

1.0) The location of the UST site is shown on a vicinity map.

The following maps are provided to assist in determining the location of the UST site and its physical characteristics:

Figure 1: Hanford Site Map (Page SA5)

Figure 2: 100 K Area (Page SA6)

Figure 3: 130-K-3A/-3B UST Location (Page SA7)

The system was used to support operations of two reactors in the 100K Area of the Hanford Site. These USTs are located within the 100-KR-2 Operable Unit. These tanks contained diesel fuel to run diesel engines for emergency water supply.

2.0) A brief summary of information obtained during the site inspection is provided. (Section 3.2 of the site assessment guidance offers the following data items)

- Visually inspect for surface indications of a release (pavement patching, pump islands, storm drains, fill boxes or containment areas).

A visual inspection of the area, tank and surrounding surface soils offered the following indicators of the existence of a possible release due to overfills. The inside surfaces of the concrete fill boxes showed overflow stains from diesel fuel. The fill box contained drains on the sides which allowed overfills to potentially contaminate the soils along each side of each tank. The potentially contaminated soils were segregated and placed on plastic during removal activities. A sample was taken from these soils to characterize the extent of petroleum contamination. This sample (B08JJ7) contained 130ppm of total petroleum hydrocarbons, below the soil action level of 200ppm.

Figure 1: Hanford Site Map

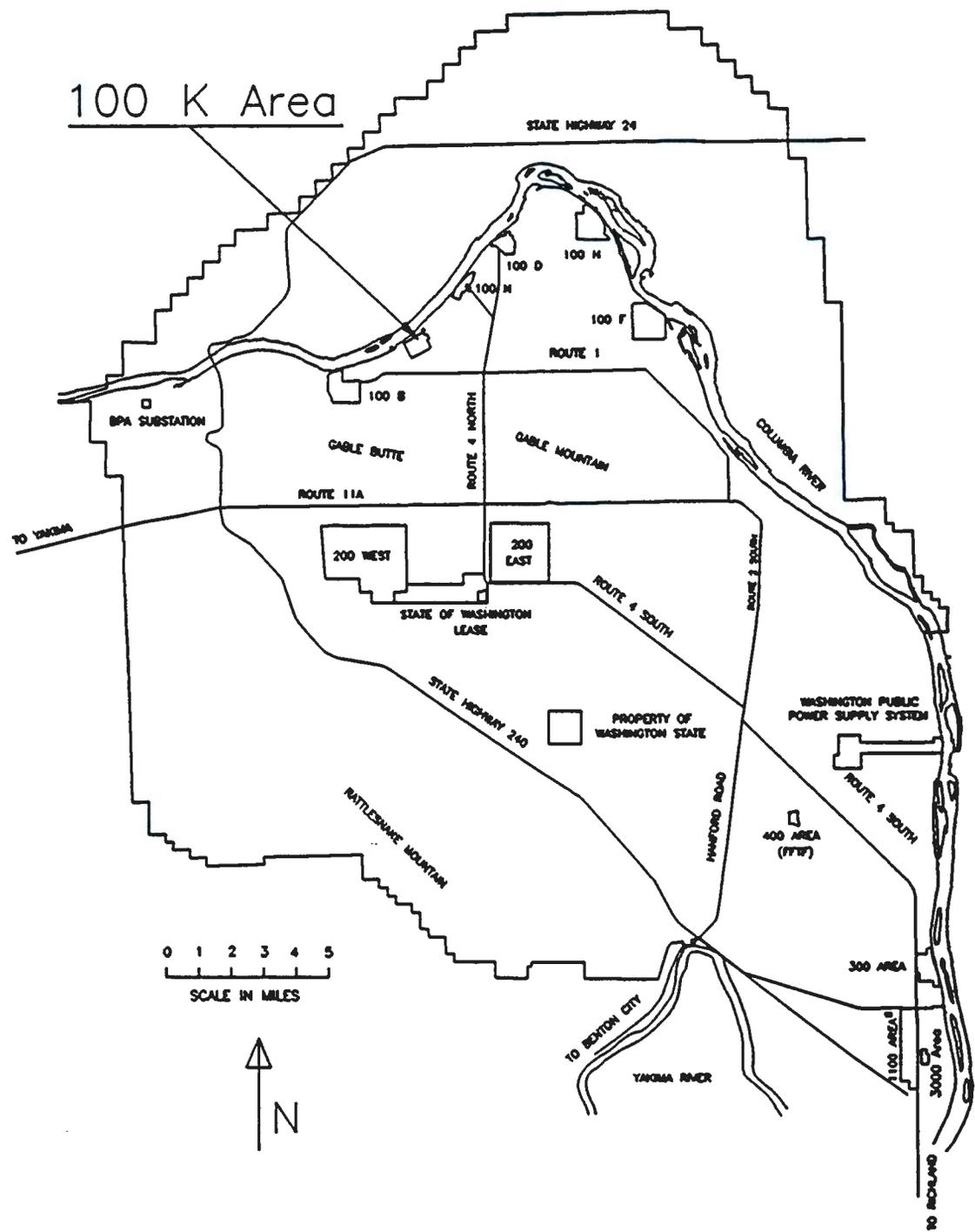
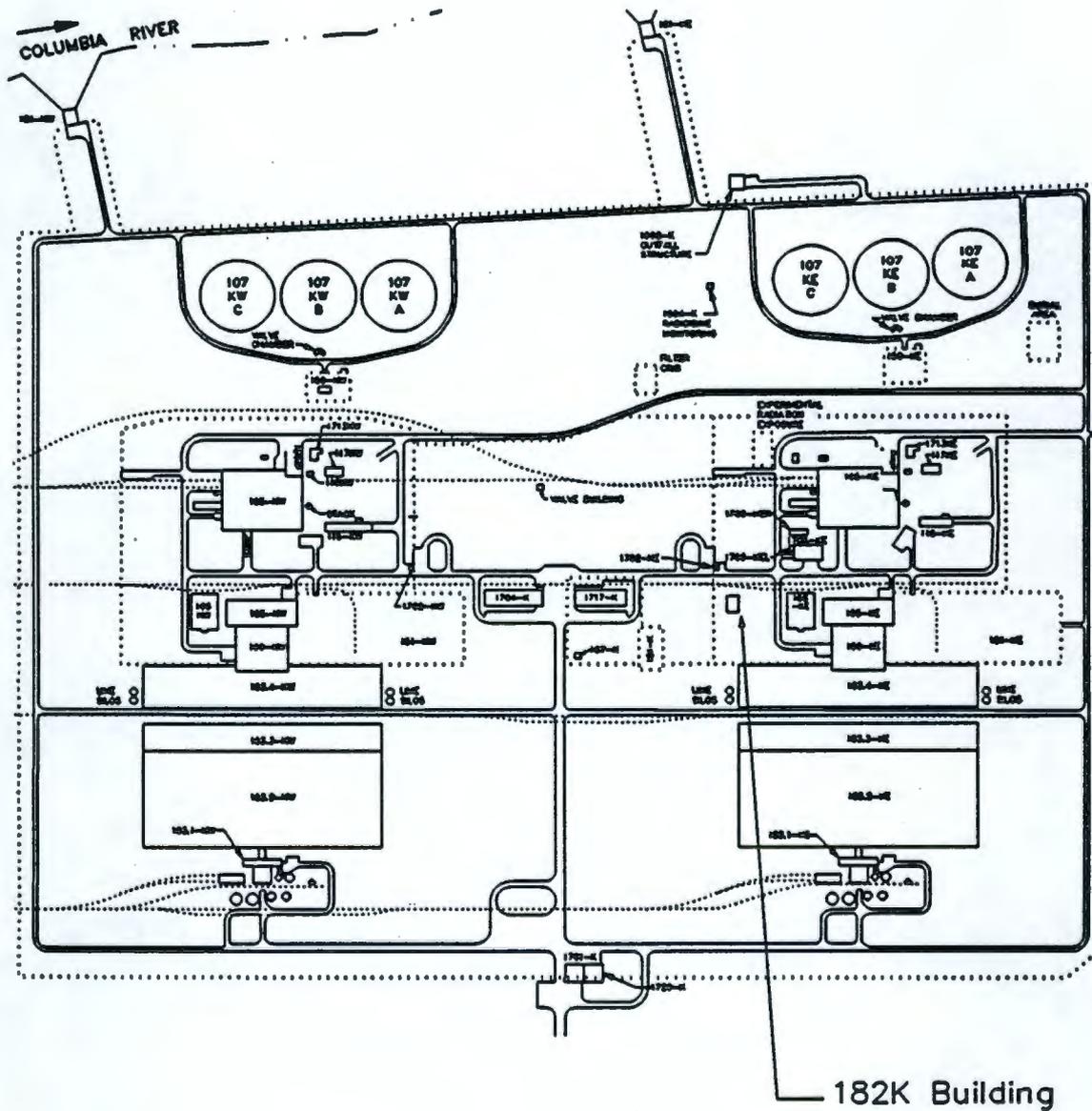


Figure 2: 100K Area

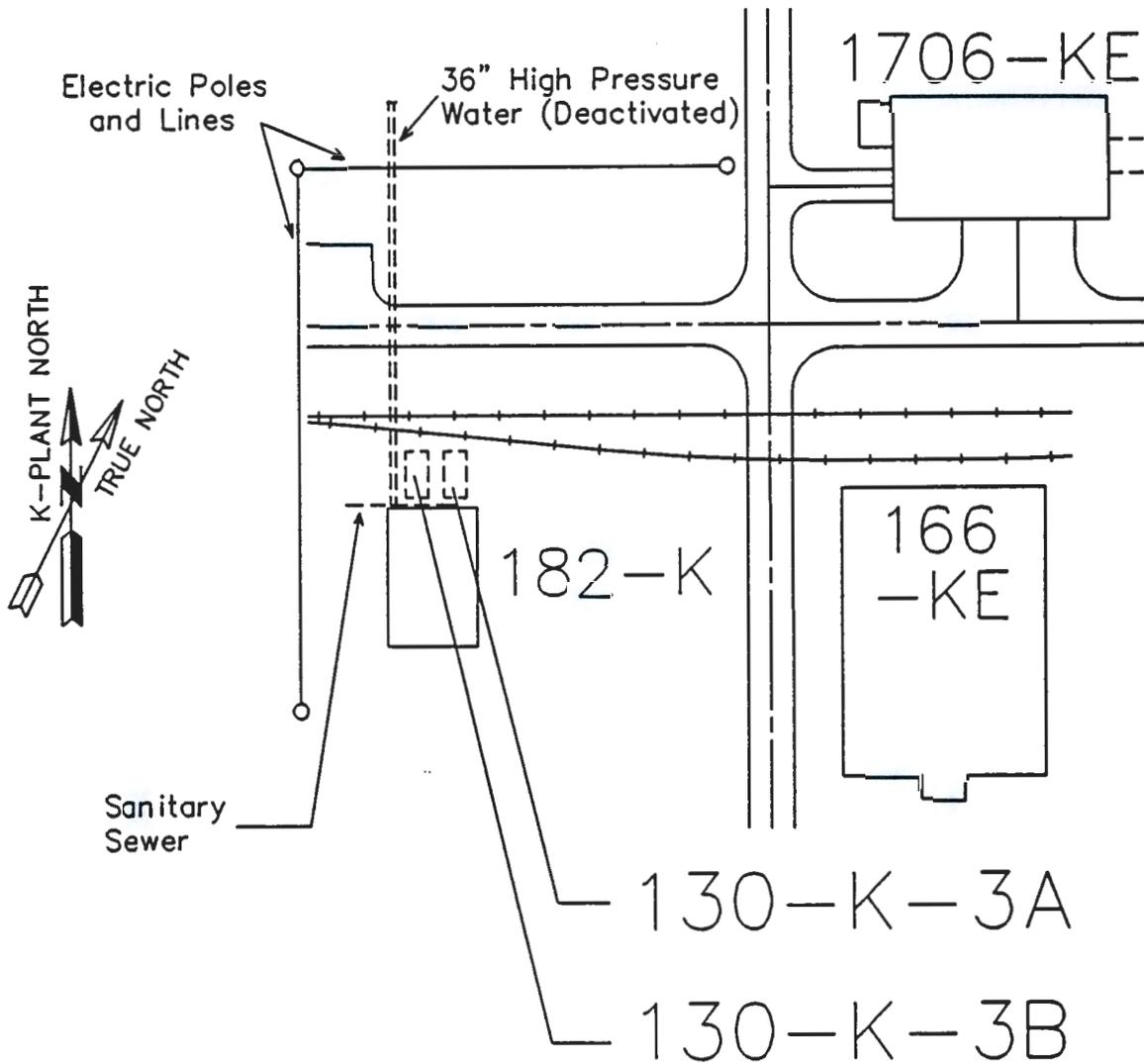


LEGEND

- RAILROAD TRACK
- FENCE
- STRUCTURE
- ROAD

200 0 400

Figure 3: 130-K-3A/-3B
UST Location



- Locate and verify above and below-ground components of tank and piping systems are as shown on available plans.

The following drawings from the Hanford drawing archive system were available for reference:

H-1-23810 PLOT PLAN - PUMP STATION
H-1-23812 ARCHETECTURAL ELEVATIONS AND SECTION
H-1-23836 HEATING AND VENTILATION
H-1-23838 ENGINE FUEL SYSTEM
H-1-23841 FUEL OIL STORAGE TANK
H-1-23862 ELECTIRCAL CONDUIT & GROUNDING PLAN

The above ground details and piping matched those indicated by the drawings. The drawings show extensive below ground details that were verified during the site assessment.

- Confirm fill status of tank(s).

The tank contained small amounts of residual rinsate from rinsing activities.

- Determine tank size - If tank system specifications are not available, estimate tank size (measure tank height through vent for fill pipe).

Each tank is 9.5 feet in diameter and 33 feet in length for a capacity of approximately 17,500 gallons.

- Inspect site for above-ground utilities (such as power lines), and look for surface indications of below-ground utilities

Power line poles and lines run on the north and west sides of the site. Site plans show a 4" waste water line running east-west approximately 3' south of and 2' below the system and a deactivated 36" high pressure line running north-south approximately 10' west and 5' below the nearest tank. These lines can be seen on Figure 3 (Page SA7), but were not encountered during removal.

3.0) A summary of UST system data is provided. (Section 3.1 of the site assessment guidance offers the following data items)

- Date of installation and name of installer.

Installation was completed in ~1961.

- **Dates of use and current status.**

The tank was used from ~1961 until the tanks were abandoned when the reactors shut down in 1970. The tanks were rinsed approximately 6 months ago. The 30 Day Notice of Intent to Close/Decommission Tanks was submitted with an anticipated closure date of April/May of 1993. The tanks were excavated and removed on May 13, 1993 with tank closure activities continuing.

- **Number of tanks, location, capacity, dimensions, age, and material of construction of existing UST system(s), including fill pipes, vent piping, pumps, valves, distribution piping and flex connectors.**

The underground storage tanks 130-K-3A and 130-K-3B were located adjacent to one another in the 100 K Reactor Area of the Hanford reservation (Figure 3, Page SA7). The two steel tanks each had a 17,500 gallon capacity, were buried 5' apart and 5' north of the 182K pumphouse. These tanks were 9'6" in diameter and 33' long. They supplied diesel fuel to three engines located within the pumphouse. The engines ran pumps used for backup cooling water for the 105 KE and 105 KW Reactors.

The tanks were covered by a bermed mound of soil with the top of the mound 5' above grade level. The top of the tank was ~3½' above grade and covered by 1½' of the soil berm. A 24" diameter manway (¼" thick bolted steel plate cover) was located in the center of each tank. All piping associated with this tank utilized welded joints with no threaded couplings. The piping and conduit associated with each tank is described below:

- (3) fuel oil lines -- 1.25" O.D. x ~12' to the building
- (1) fuel oil return line -- 3" O.D. x ~15' to the building (empty during normal operation)
- (1) centrifuge fuel oil line -- 1.25" O.D. x ~30' to the building
- (1) vent line -- 3" O.D. x ~20' (including above ground components)
- (1) vertical fill connection -- 4" O.D. x 6" tall (empty during normal operation)
- (1) fuel oil cross tie line -- 3" O.D. x ~10' long (empty during normal operation)
- (1) fuel level indicator conduit -- Electrical, did not contain product

- Numbers and location of any previously removed UST's.

130-KE-1A 130-KE-1B	These two tanks (one system) were located on the east side of the 105KE reactor building. This location is approximately 700' NE of this site. These tanks were removed October 5, 1992.
130-KW-1A 130-KW-1B	These two tanks (one system) were located on the east side of the 105KW reactor building. This location is approximately 1430' WNW of this site. These tanks were removed October 22, 1992.
130-K-1 130-K-2	These two tanks (one system) were located on the north side of the 1717 building. This location is approximately 500' west of this site. These tanks were removed July 27, 1989.

- Types of substances stored in UST (current and historical).

Only diesel fuel #2 was stored in each UST.

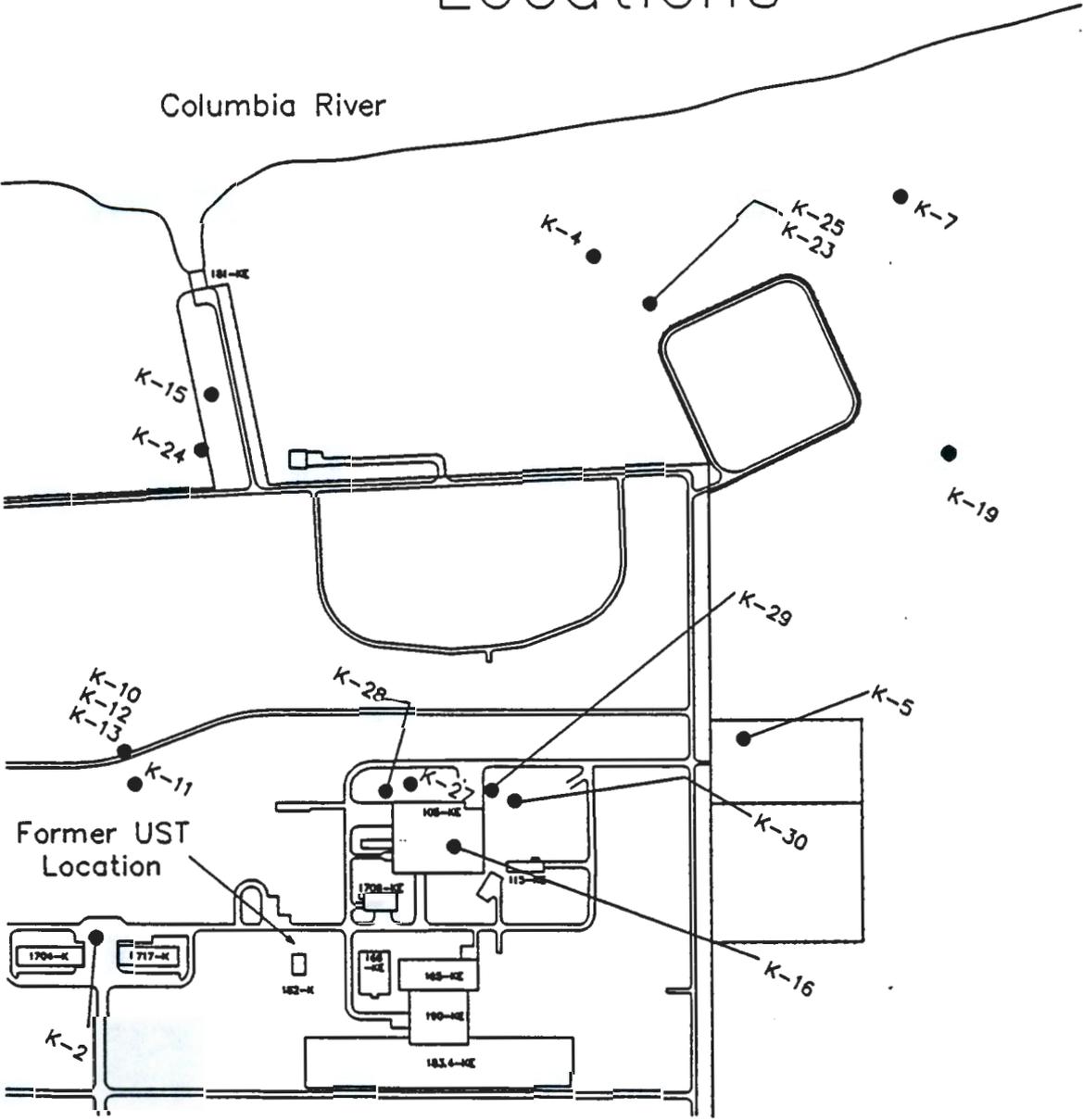
- Depth, width, and type of bedding/backfill materials used to surround the tank(s) and piping.

The tank was bedded in clean sand and would be classified as "SW, Well-graded sands and gravelly sands, little or not fines" as designated by the Unified Soil Classification System. The base was 6" deep and a minimum of 2' on the sides.

- Types and locations of leak detections systems, secondary containment systems, and groundwater monitoring wells located on site.

The 130-K-3A and 130-K-3B single shell UST system was not installed with a leak detection system. Figure 4 (Page SA11) shows monitor well locations in the 100K area.

Figure 4: 100K Area Monitoring Well Locations



- Location of any hold-down pads or deadman anchoring systems.

There were no hold-down pads or deadman anchoring systems associated with this tank.

- History of compliance and performance:

Installation date: ~1961
Period of use: 1961 - 1970
30 day NOI to close: 2/24/93
Removal date: 4/13/93

The tank was not permitted since it was abandoned in 1970.

- Status of regulatory compliance.

The tank was pumped empty of product and abandoned in ~1970. Therefore, it was exempt from Washington Administrative Code 173-360, "Underground Storage Tank Regulations".

- Repair records.

No known major repairs were made to this tank or were obvious during removal activities.

- Current permits, including permit issue dates.

None

- Previous known leaks (type, volume or leak rate, and date) and:

The UST did not have any known leaks.

- Inventory records

Diesel fuel was stored in the tank. Fill records and inventory records are unavailable.

- Tightness testing records

Tightness testing records are unavailable for this tank and most likely non-existent.

- Records of water pumpouts from tanks

There were no records of water pumpouts from the tanks.

- Records of neighbors complaints

None

- Records of fire department inspections

None

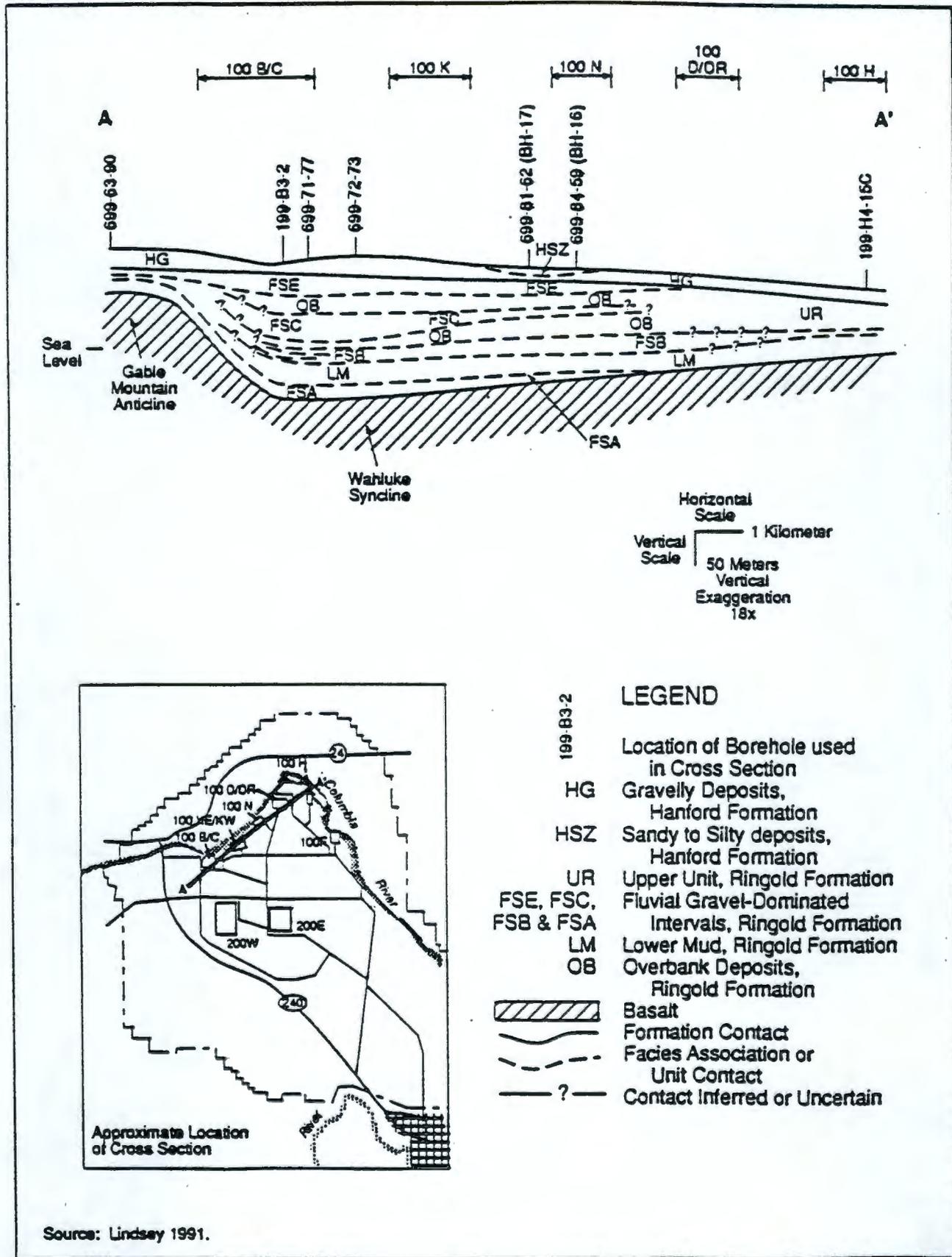
- 4.0) The soils characteristics at the UST site are described. (Section 5.2.1 *Soils Characterization*, of the site assessment guidance states:)

"For Ecology to adequately review site assessment reports, qualitative descriptions of the surface gradient and soils at the UST site need to be provided. To ensure that all site assessment reports use consistent language for characterizing soils, the terminology shown in the United Soil Classification System (Table 5.1) shall be used. Contaminant fate and transport is determined by soil characteristics and can influence the selection of sampling locations."

Section 3.1 of the site assessment guidance document offers the following data items:

- Soil types and characteristics.

The native geology consists of the Columbia Plateau, which is a broad plain formed by the Miocene Columbia River Basalt Group. The flood basalts of the Group form the bedrock of the Pasco Basin. The major structural geology of the Pasco Basin is a sub-parallel series of west- to northwest-trending folds known as the Yakima Fold Belt. The 100 K Area lies within the Wahluke syncline (DOE/RL, 1992). A geological cross section of the Wahluke syncline is presented in Figure 5 (Page SA14). The Hanford formation in the vicinity of the 100 K Area is estimated to be approximately 50 feet thick and is in disconformable contact with sands and gravels of the upper Ringold Formation (Figure 6, Page SA15). The vadose zone within the 100 K Area includes stratigraphic units such as fill, loess, alluvium, the Hanford formation and the Ringold Formation (DOE/RL, 1992). The soil within the Hanford Formation would be classified as "GM, silty gravels, gravel-sand-silt mixtures" as designated by the Unified Soil Classification System.



Source: Lindsey 1991.

903-1277/26827/6-16-92

Figure 5: Northeast to Southwest Geological Cross Section of the Suprabasalt Sediments Across the Western Wahiuke Syncline in the 100 Area.

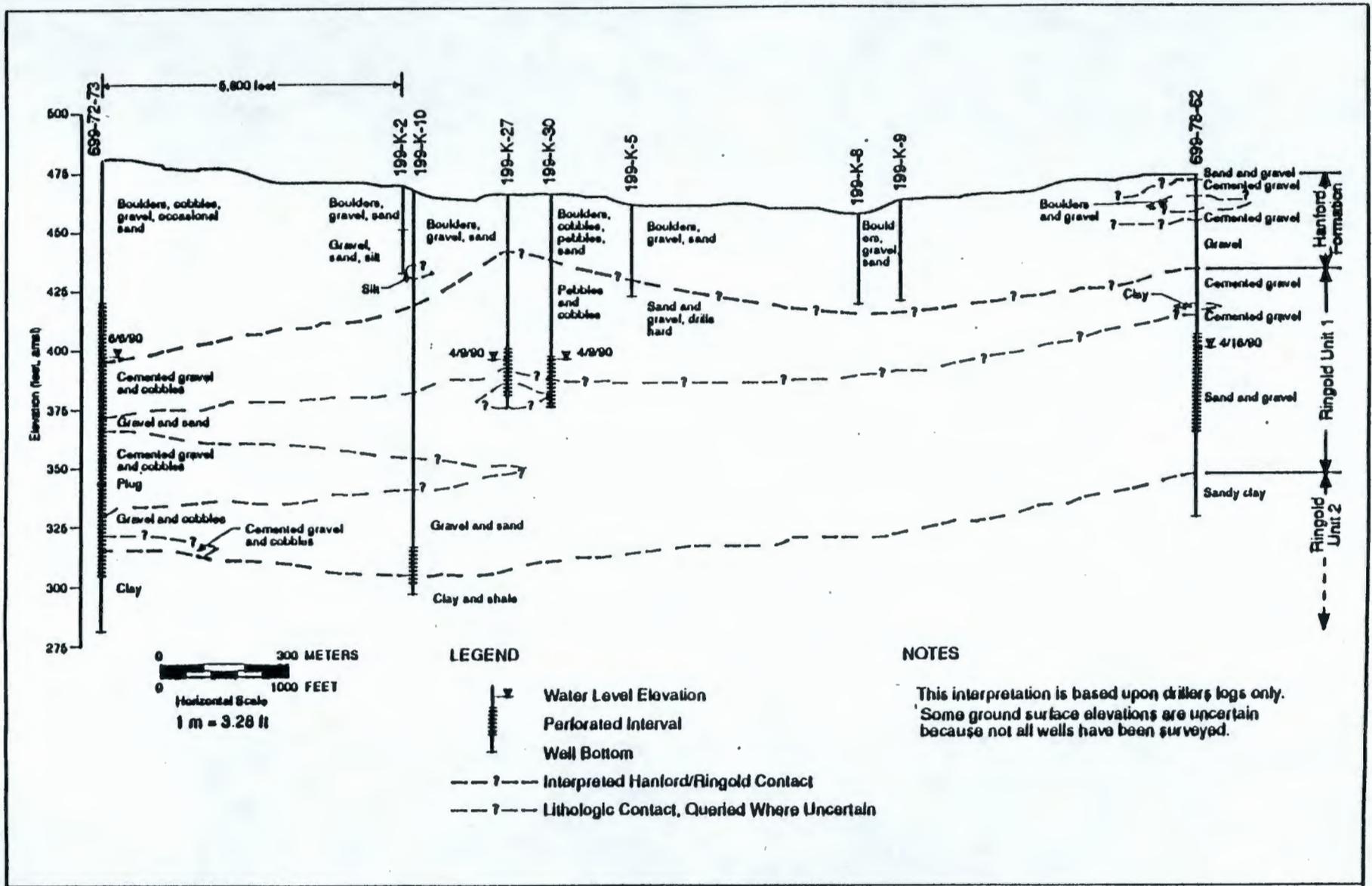


Figure 6: Geologic Cross Section of the 100K area.

903 1277/26813/6-16-92

- Depth to groundwater, including seasonal fluctuations.

Groundwater in the 100 K Area occurs in unconfined and confined aquifers. The ground water nearest to the surface is in an unconfined aquifer located approximately 50 to 75 feet below ground surface (Figure 7, Page SA17). Its flow is directed primarily through the Ringhold Producing Layer. A cemented layer is present in the central portion of the 100 K Area. This zone could effect groundwater flow and contaminate transport. The hydraulic conductivities of similar material on the Hanford Site range from 20 to 6000 feet per day. The gradient is relatively flat, .0009 to .004, increasing near the river. The groundwater flow is generally in a northern direction, toward the Columbia River. Local groundwater flow may have been disturbed (during Reactor operation) due to groundwater mounding from the release of water to nearby facilities (DOE/RL, 1992). Depth to ground water near the river varies with fluctuations in the river height.

- Potential hydraulic connections between groundwater and nearby surface water.

Groundwater flow in the unconfined aquifer normally moves north toward the Columbia River. The 130-K-3A and 130-K-3B USTs are approximately 2250 feet from the river.

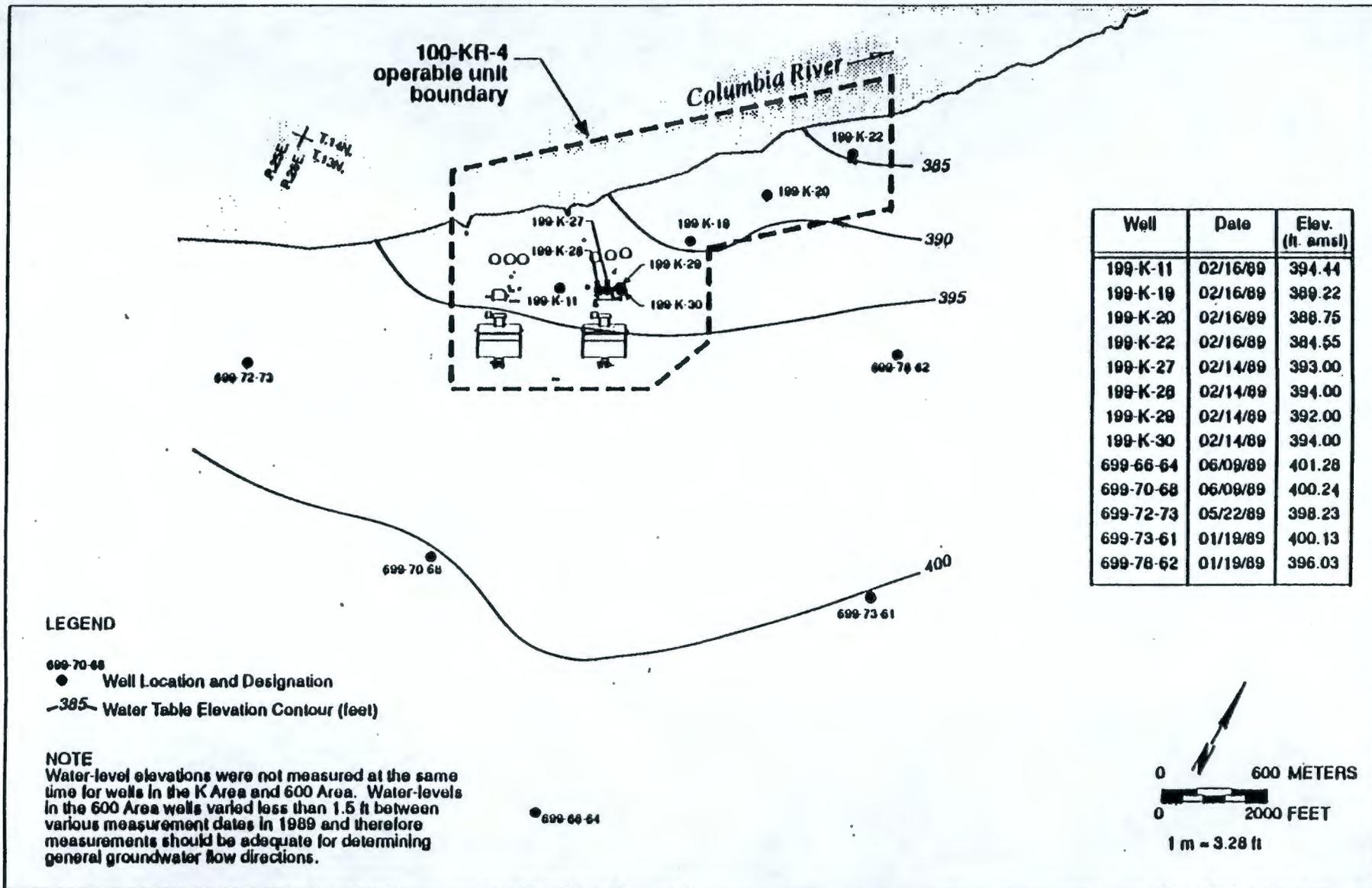
5.0) Is there any apparent groundwater in the tank excavation?

There was no groundwater in the excavation, but there were indications of water runoff around the tanks. The bottom of each cradle had a one foot wide settled region that looked like water was present, but had soaked into the ground. The backfill had settled slightly, leaving an indentation length-wise under each tank.

6.0) A brief description of the surrounding land use if provided.
(Section 3.1 of the site assessment guidance offers the following data)

- Property line locations.

The 130-K-3A/3B UST's are located in the 100-KR-2 Operable Unit of the 100 K Area which is part of the Hanford Site. Refer to Figure 1 (Page SA5) for details of the Hanford Site boundaries.



803 1277/26716/6-16-92

Figure 7: Water Table Contour Map of the 100K Area in 1989.

- Distances from tank(s) to nearby structures.

The UST system was located approximately 5' north of the 182 K Pumphouse. The pumphouse housed pumps that were designed to supply the 105 K East and 105 K West Reactors with emergency cooling water (Figure 3, Page SA7).

- Type and location of below-ground utility lines such as water, sewer, electric, telephone and gas service lines.

The 36" deactivated high pressure water line runs north from the 182K building and forms a "T", with the top portions of the "T" extending out to the 105KE and 105KW reactor buildings. The 4" waste water line exits the north east side of the 182K building and terminates in a 20' x 20' drain field 15' west of the 182K building.

- Location of paved areas.

The UST system is located approximately 12' west of an asphalt driveway to the 182K building and approximately 20' south of an asphalt roadway.

7.0) Information has been provided indicating the number and types of samples collected (7.1), methods used to collect and analyze the samples (7.2), and the name and address of the laboratory used to perform the analyses (7.3).

7.1) Information has been provided indicating the number and types of samples collected.

21 soil samples were taken:

Sample ID	Sample Location
B08JG7	Directly under elbow of 130-K-3B piping as it entered the 182K building.
B08JG8	Under piping at the end of the 130-K-3B tank.
B08JG9	Under the 130-K-3A piping as it entered the building.
B08JH0	Under 130-K-3A piping as it exited the tank.
B08JH1	Under the roll of the 130-K-3A tank, SE corner.
B08JH2	Between 3A and 3B tanks 12' north of south end.
B08JH3	Under the roll of the 3B tank, center on west side.
B08JH4	SW corner of 3B under roll
B08JH5	NW corner of 3B under roll
B08JH6	NE corner of 3A under roll
B08JH7	NW coner of 3A under roll
B08JH8	NE corner of 3B under roll

Sample ID	Sample Location
B08JH9	2' north of south end of 3A cradle
B08JJ0	2' south of north end of 3A cradle
B08JJ1	North end of 3A excavation
B08JJ2	South end of 3B excavation
B08JJ3	Duplicate of B08JJ1
B08JJ4	2' south of north end of 3B cradle
B08JJ5	North end of 3B excavation
B08JJ6	South end of 3B cradle
B08JJ7	Suspect contaminated soil sample for characterization

- 7.2) Information has been provided indicating the methods used to collect and analyze the samples.

All sampling was done in accordance with procedures in the Westinghouse Hanford Company Control Manual 7-7 (WHC-CM-7-7), Environmental Investigation Instruction 5.2, "Soil and Sediment Sampling." Sample analyses, analytical methods, containers, preservation techniques, and holding times are listed below.

Analysis	Analytical Methods	Container Volume	Preservation	Holding Time
BTEX	EPA 8020	G 250ml	4 °C	14 days
TPH	WTPH-D	G 250ml	4 °C	14 days
Total Activity	LA-548-111 LA-508-121	P 1 gram	none	ASAP

G = Glass Container

- 7.3) Information has been provided indicating the name and address of the laboratory used to perform the analyses.

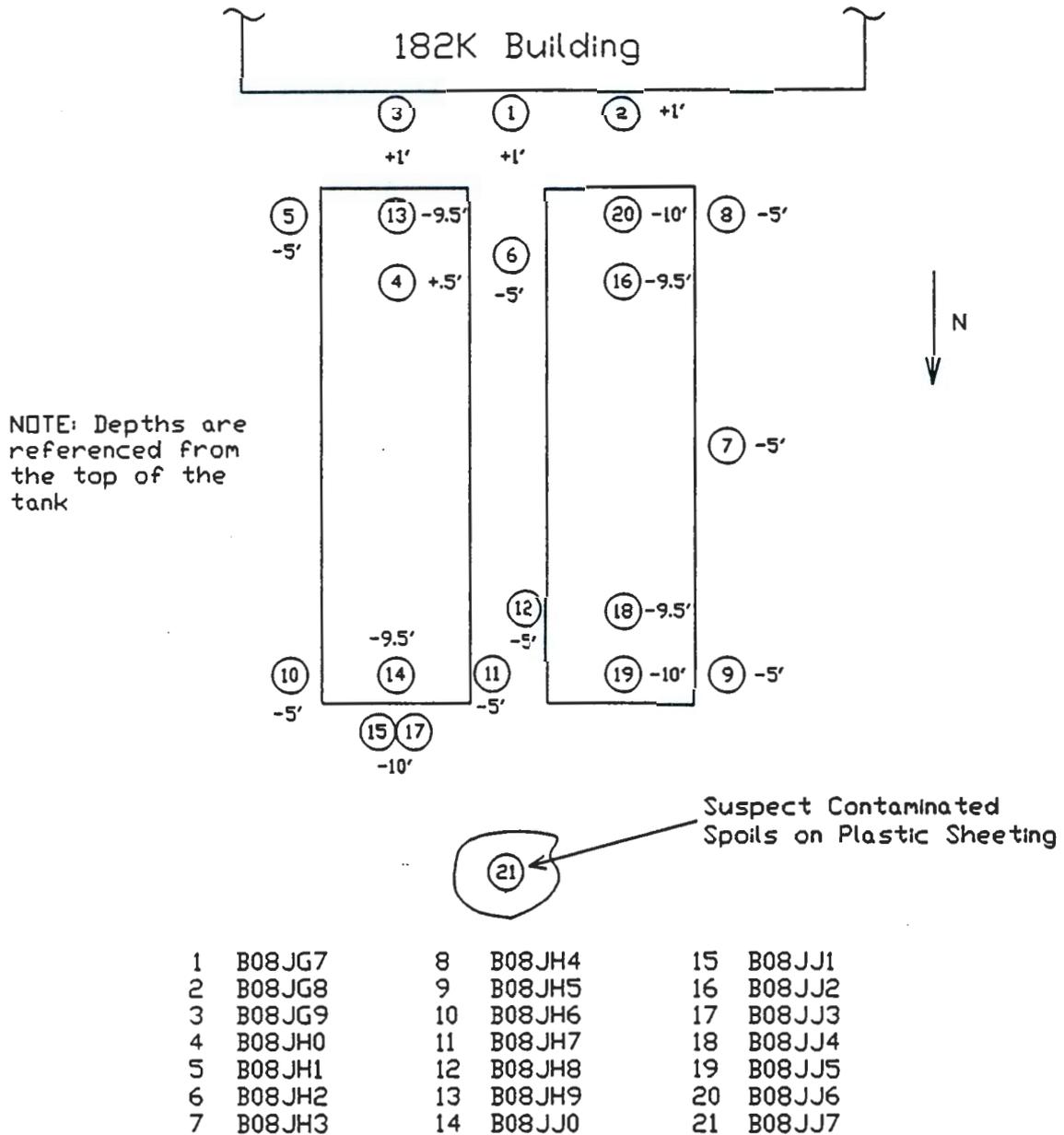
Sound Analytical, 4813 Pacific Highway East, Tacoma, WA 98424

- 8.0) A sketch or sketches showing the following items is provided:

- 8.1) Location and ID number for all field samples collected.

Figure 8: Sample locations and depths (Page SA22)

Figure 8: Sample Locations and Depths



- 8.2) Groundwater samples distinguished from soil samples (if applicable).

No groundwater samples were taken.

- 8.3) Samples collected from stockpiled excavated soil.

Figure 8: Sample locations and depths (Page SA22)

- 8.4) Tank and piping locations and limits of excavation pit.

Figure 9: 130-K-3A/3B Excavation (Page SA24)

- 8.5) Adjacent structures and streets.

Figure 2: 100 K Area (Page SA6)

Figure 3: 130-K-3A/-3B UST Location (Page SA7)

- 8.6) Approximate locations of any on-site and nearby utilities.

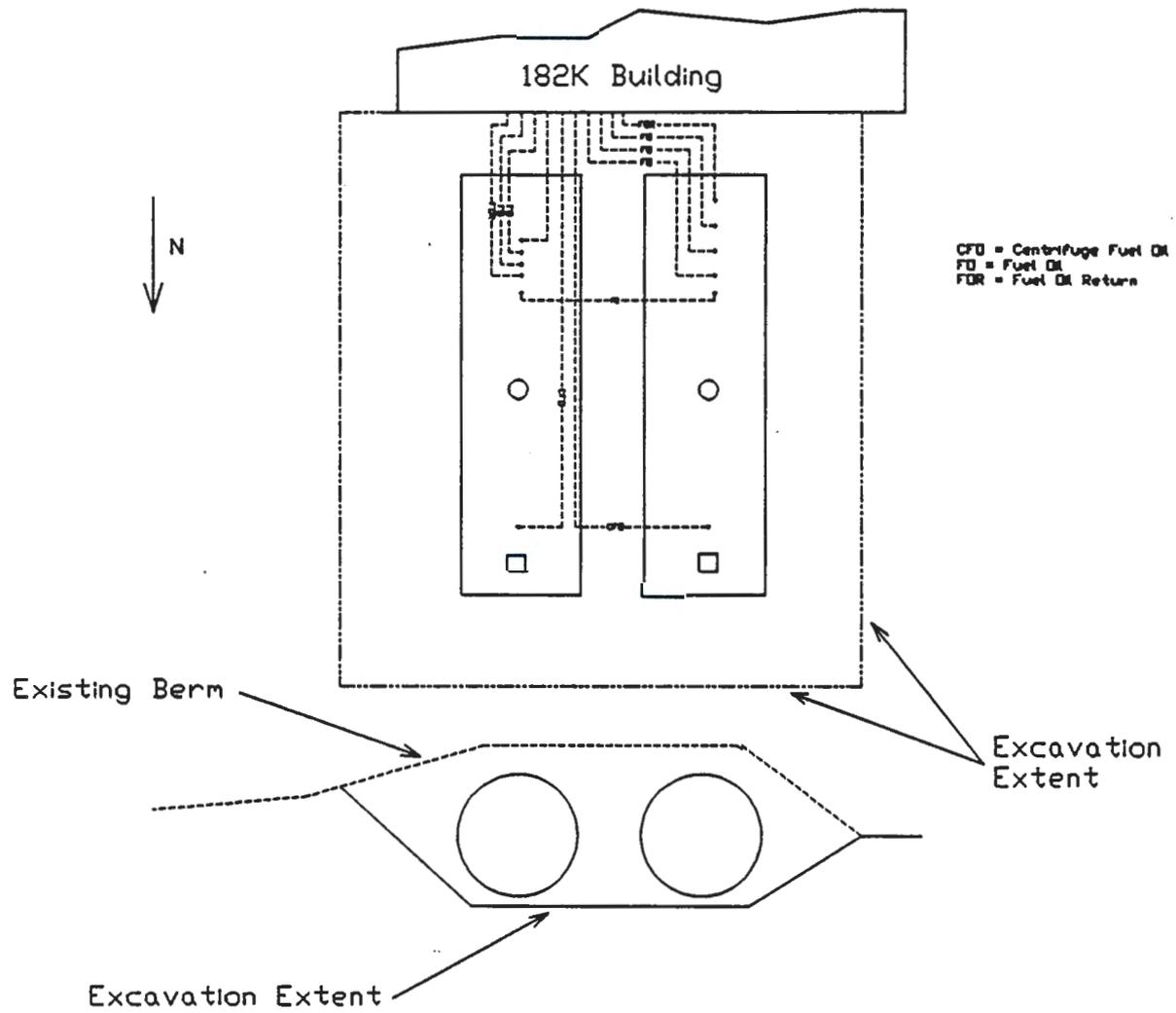
Figure 2: 100 K Area (Page SA6)

Figure 3: 130-K-3A/-3B UST Location (Page SA7)

- 9.0) If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (Section 3.4 in the site assessment guidelines) Justification of adequate sampling must be made for technical reasons, not economic. The site assessor must demonstrate the alternative sampling procedures are equally as likely to determine if a release from the UST system has occurred as the sampling procedure specified in the guidance.

Sampling was done in accordance with site assessment guidelines. The sampling plan for this removal was more conservative than suggested, in fact. Instead of sampling the spoils piles, the samples were taken as the undisturbed ground was uncovered.

Figure 9: 130-K-3A/-3B Excavation



10.0) A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.

SOIL SAMPLES ANALYTICAL METHOD -- 8020 (BETX)				
Sample ID	Benzene (Det. Limits) ppm	Tolulene (Det. Limits) ppm	Ethyl Benzene (Det. Limits) ppm	Xylenes (Det. Limits) ppm
B08JG7	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JG8	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JG9	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JH0	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JH1	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JH2	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JH3	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JH4	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JH5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JH6	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JH7	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JH8	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)

SOIL SAMPLES ANALYTICAL METHOD – 8020 (BETX)				
Sample ID	Benzene (Det. limits) ppm	Tolulene (Det. Limits) ppm	Ethyl Benzene (Det. Limits) ppm	Xylenes (Det. Limits) ppm
B08JH9	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JJ0	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JJ1	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JJ2	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JJ3	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JJ4	ND (0.05)	ND (0.05)	ND (0.05)	ND 0.05()
B08JJ5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JJ6	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
B08JJ7	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)

SOIL SAMPLES ANALYTICAL METHOD -- WTPH-D		
Sample ID	TPH (ppm) Action Level = 200ppm	Practical Quantitative Limit (ppm)
B08JG7	ND	25
B08JG8	26	25
B08JG9	26	25
B08JH0	110	25
B08JH1	31	25
B08JH2	27	25
B08JH3	31	25
B08JH4	25	25
B08JH5	39	25
B08JH6	ND	25
B08JH7	ND	25
B08JH8	26	25
B08JH9	ND	25
B08JJ0	ND	25
B08JJ1	ND	25

SOIL SAMPLES ANALYTICAL METHOD -- WTPH-D		
Sample ID	TPH (ppm) Action Level = 200ppm	Practical Quantitative Limit (ppm)
B08JJ2	ND	25
B08JJ3	ND	25
B08JJ4	ND	25
B08JJ5	ND	25
B08JJ6	ND	25
B08JJ7	110	25

11.0) Any factors that may have compromised the quality of the data or validity of the results are described.

None

12.0) The results of this site check/site assessment indicate that a confirmed release of a regulated substance has not occurred.

A confirmed release has not occurred at this site. The soil potentially contaminated from overfills was segregated and sampled, but the contamination levels were less than the action levels. The former UST site was backfilled to match the surrounding grade.

REFERENCES

- DOE/RL, 1992, *Remedial Investigation/Feasibility Study Work Plan for the 100-KR-1 Operable Unit, Hanford Site, Richland, Washington*, DOE/RL-90-20, U.S. Department of Energy, Field Office, Richland, Washington.
- Ecology, 1992a, *UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist*, Form ECY 010-158, October 1992, Washington Department of Ecology, Olympia, Washington.
- Ecology, 1992b, *Guidance for Site Checks and Site Assessments for Underground Storage Tanks*, February 1991; Revised October 1992, Washington State Department of Ecology, Olympia, Washington.
- Lindsey, K.A., 1991, *Revised Stratigraphy for the Ringold Formation, Hanford Site, South Central Washington*, WHC-SD-EN-AP-023, Westinghouse Hanford Company, Richland, Washington

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author
James E. Rasmussen, RL
(S. D. Thoren, 3-4033)

Addressee
David C. Nylander, Ecology
(J. E. Rasmussen, RL)

Correspondence No.
Incoming 9302990
XRef 9355152D

Subject:

SITE ASSESSMENT CHECKLIST AND REPORT FOR UNDERGROUND STORAGE TANKS
130-K-3A AND 130-K-3B REMOVAL

INTERNAL DISTRIBUTION

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	
		President's Office	B3-01	
		D. B. Blumenkranz	H6-04	
		S. L. Bradley	B3-64	
		G. D. Carpenter	H6-30	
		M. C. Hughes	R2-81	
		H. E. McGuire (Level 1)	B3-63	
		M. A. Mihalic	R2-77	
		P. D. Mix	H6-29	
		R. D. Oldham	H6-25	
		E. H. Smith	H6-22	
		S. D. Thoren	R2-77	
		T. M. Wintczak	H6-27	
		R. D. Wojtasek (Assignee)	H6-27	
		EPIC	H6-08	

