

DECISION DOCUMENTATION PACKAGE
COVER SHEET

PREPARED IN ACCORDANCE WITH

TRACK 1 SITES:
GUIDANCE FOR ASSESSING
LOW PROBABILITY HAZARD SITES
AT INEL

SITE DESCRIPTION: CONTAMINATED SOIL IN TANK FARM AREA SW AND NW OF VALVE BOX B-4

SITE ID: CPP-32

OPERABLE UNIT: 3-07

WASTE AREA GROUP: 3

I. SUMMARY - PHYSICAL DESCRIPTION OF THE SITE:

CPP-32 east

Site 32 east is an 8 ft² area of radioactively contaminated soil located southwest of tank farm valve box B-4. Radioactivity ranged up to 2 R/hr and penetrated approximately 12 inches. The contaminated material appeared to have originated from the stand pipe (air vent tube and view port pipe) that extended out of the valve box. It is likely that the contamination from the stand pipe at this site was the result of condensation of humidity in valve box B-4.

CPP-32 west

Site 32 west is a 6 ft² area of radioactively contaminated soil located approximately 50' northwest of tank farm valve box B-4. Radioactivity ranged up to 2 R/hr and penetrated approximately 12 inches. The contaminated material apparently originated from the west section of a 2 inch above ground line. This line was used to pump water (normally non-radioactive) from tank sumps to the PEW evaporator. It is likely that the contaminated area was the result of a leak that occurred from this line during a transfer of water that contained radionuclides.

II. SUMMARY - QUALITATIVE ASSESSMENT OF RISK:

CPP-32 east

The qualitative assessment of risk is unknown due to a lack of data. Additional sampling will be done in the OU 3-07 Track 2 Investigation.

CPP-32 west

Based upon surface readings of 2R/hr, which is the only known information, a qualitative assessment of risk would be high.

III. SUMMARY - CONSEQUENCES OF ERROR:

CPP-32 west

The type of radiological contamination is unknown. Surface radiation surveys do not indicate surface contamination. The effort to find the small spill (8 ft²) in an area of 400 ft² could require a large number of drilled boreholes. Due to the potential of hitting underground utility piping during drilling, the risk to human health, safety, and the environment would be great. This is based on current utility maps of the area which are only accurate to within five feet. If there is any residual contamination in the unit it will be addressed in more detail during the Comprehensive RI/FS.

IV. SUMMARY - Other Decision Drivers:

None

RECOMMENDED ACTION:

CPP-32 east

Additional sampling will be done in the OU 3-07 Track 2 Investigation.

CPP-32 west

This site is recommended to be further investigated during the Comprehensive RI/FS. The following items were considered for this action; 1) the location of the spill is only approximately known, 2) to find the spill a large number of boreholes may have to be drilled through the membrane causing degradation of the membrane system currently over the tank farm, and 3) the site is now 2 feet below grade and all contamination in the tank farm will be considered in the proposed Phase II investigation.

SIGNATURES	# PAGES:	DATE:
Prepared By:	DOE WAG Manager:	
Approved By:	Independent Review:	

PROCESS/WASTE WORKSHEET
SITE ID CPP-32

Col 1 Processes Associated with this Site	Col 2 Waste Description & Handling Procedures	Col 3 Description & Location of any Artifacts/Structures/Disposal Areas Associated with this Waste or Process
<p>Process <u>CPP-32 east</u> Stand pipe (vent line) from valve box B-4</p>	<p>Valve box air vent condensate</p>	<p>Artifact: Stand pipe. Location: Adjacent to valve box B-4. Description: Extended approx. 2' above ground surface. Valve box has since been extended and stand pipe removed.</p> <p>Artifact Location Description</p> <p>Artifact Location Description</p>
<p>Process <u>CPP-32 west</u> 2-inch above ground line used to pump water (normally non- radioactive) from tank sumps</p>	<p>Radioactively contaminated water from a tank sump.</p>	<p>Artifact: 2" above ground line. Location: Approximately 50 feet northwest of valve box B-4. Description: This line has since been removed.</p> <p>Artifact Location Description</p> <p>Artifact Location Description</p>

CONTAMINANT WORKSHEET

SITE ID CPP-32 east and west

PROCESS (col 1) Valve box stand pipe; Tank sump pump line

WASTE (col 2)? HIGHLEVEL

LIQUID WASTE

Col 4 What known/potential hazardous substances/constituents are associated with this waste or process?	Col 5 Potential sources associated with this hazardous material	Col 6 Known/estimated concentration of hazardous substances/constituents*	Col 7 Risk based concentration mg/kg	Col 8 Qualitative risk assessment (HI/Med/Lo)	Col 9 Overall reliability (HI/Med/Lo)
Radionuclides	Contaminated Soil	Unknown	N/A	High*	Med-High
Metals	Contaminated Soil	Unknown	N/A	High*	Med-High
Acids	Contaminated Soil	Unknown	N/A	High*	Med-High
Organics	Contaminated Soil	Unknown	N/A	High*	Med-High

a. ND = not detected
 DL = detection limit in ppm
 Note: * Based upon a 2R/hr surface reading.

Question 1. What are the waste generation process locations and dates of operation associated with this site?

Block 1 Answer:

CPP-32 east

In December 1976, soil contaminated to 2 R/hr and covering an area of about 8 ft² and penetrating approximately 12 inches was identified southwest of valve box B-4. The contaminated material appeared to have originated from the stand pipe (air vent tube and view port pipe) that extended out of the valve box.³ It is likely that the contamination from the stand pipe at this site was the result of condensation of humidity in valve box B-4.

CPP-32 west

In December 1976, soil contaminated to 2 R/hr and covering an area of about 6 ft² and penetrating approximately 12 inches was identified approximately 50 feet northwest of tank farm valve box B-4. The contaminated material apparently originated from the west section of a 2 inch above ground line. This line was used to pump water (normally non-radioactive) from tank sumps to the PEW evaporator. It is likely that the contaminated area was the result of a leak that occurred from this line during a transfer of water that contained radionuclides.

Block 2 How reliable is/are the information source/s? High Med Low (check one)

EXPLAIN THE REASONING BEHIND THIS EVALUATION.

A notegram dated December 30, 1976 describes this information.

Block 3 Has this INFORMATION been confirmed? Yes No (check one)

IF SO, DESCRIBE THE CONFIRMATION.

Two memos of conversation with facility personnel included as references 4 and 5 confirm this information.

Block 4 **SOURCES OF INFORMATION** (check appropriate box/es & source number from reference list)

- | | | | | | |
|---------------------------|-------------------------------------|------------|--------------------------|--------------------------|-------|
| No available information | <input type="checkbox"/> | _____ | Analytical data | <input type="checkbox"/> | _____ |
| Anecdotal | <input type="checkbox"/> | _____ | Documentation about data | <input type="checkbox"/> | _____ |
| Historical process data | <input type="checkbox"/> | _____ | Disposal data | <input type="checkbox"/> | _____ |
| Current process data | <input type="checkbox"/> | _____ | Q.A. data | <input type="checkbox"/> | _____ |
| Aerial photographs | <input type="checkbox"/> | _____ | Safety analysis report | <input type="checkbox"/> | _____ |
| Engineering/site drawings | <input type="checkbox"/> | _____ | D&D report | <input type="checkbox"/> | _____ |
| Unusual Occurrence Report | <input type="checkbox"/> | _____ | Initial assessment | <input type="checkbox"/> | _____ |
| Summary documents | <input checked="" type="checkbox"/> | 1 _____ | Well data | <input type="checkbox"/> | _____ |
| Facility SOPs | <input type="checkbox"/> | _____ | Construction data | <input type="checkbox"/> | _____ |
| OTHER | <input checked="" type="checkbox"/> | 4, 5 _____ | | | |

Question 2. What are the disposal process locations and dates of operation associated with this site?

Block 1 Answer:

The contaminated material at CPP-32 east appeared to have originated from the stand pipe in valve box B-4. It is likely that the contamination from this stand pipe was the result of condensation of humidity in valve box B-4.

The contaminated material at CPP-32 west apparently originated from the west section of a 2-inch above ground line, approximately 50 feet northwest of valve box B-4. This line was used to pump water (normally non-radioactive) from tank sumps to the PEW. It is likely that the contaminated area was the result of a leak that occurred from this line during a transfer of water that contained radionuclides.

No disposal process is associated with either site.

Block 2 How reliable is/are the information source/s? High Med Low (check one)

EXPLAIN THE REASONING BEHIND THIS EVALUATION.

A notegram dated December 30, 1976 describes this information.

Block 3 Has this INFORMATION been confirmed? Yes No (check one)

IF SO, DESCRIBE THE CONFIRMATION.

Two memos of conversations with facility personnel included as references 4 and 5 confirm this information.

Block 4 **SOURCES OF INFORMATION** (check appropriate box/es & source number from reference list)

No available information	<input type="checkbox"/>	_____	Analytical data	<input type="checkbox"/>	_____
Anecdotal	<input type="checkbox"/>	_____	Documentation about data	<input type="checkbox"/>	_____
Historical process data	<input type="checkbox"/>	_____	Disposal data	<input type="checkbox"/>	_____
Current process data	<input type="checkbox"/>	_____	Q.A. data	<input type="checkbox"/>	_____
Aerial photographs	<input type="checkbox"/>	_____	Safety analysis report	<input type="checkbox"/>	_____
Engineering/site drawings	<input type="checkbox"/>	_____	D&D report	<input type="checkbox"/>	_____
Unusual Occurrence Report	<input type="checkbox"/>	_____	Initial assessment	<input type="checkbox"/>	_____
Summary documents	<input checked="" type="checkbox"/>	1 _____	Well data	<input type="checkbox"/>	_____
Facility SOPs	<input type="checkbox"/>	_____	Construction data	<input type="checkbox"/>	_____
OTHER	<input checked="" type="checkbox"/>	4, 5 _____			

Question 3. Is there empirical, circumstantial, or other evidence of migration?
If so, what is it?

Block 1 Answer:

No, there is no evidence that the contamination has migrated from these sites.

Block 2 How reliable is/are the information source/s? High Med Low (check one)

EXPLAIN THE REASONING BEHIND THIS EVALUATION.

No subsurface radiation monitoring has been performed on these sites. Surface radiological survey results were negative for both locations (ref. 3, 5).

Block 3 Has this INFORMATION been confirmed? Yes No (check one)

IF SO, DESCRIBE THE CONFIRMATION.

Block 4 **SOURCES OF INFORMATION** (check appropriate box/es & source number from reference list)

No available information	<input type="checkbox"/>	_____	Analytical data	<input type="checkbox"/>	_____
Anecdotal	<input type="checkbox"/>	_____	Documentation about data	<input checked="" type="checkbox"/>	1,2
Historical process data	<input type="checkbox"/>	_____	Disposal data	<input type="checkbox"/>	_____
Current process data	<input type="checkbox"/>	_____	Q.A. data	<input type="checkbox"/>	_____
Aerial photographs	<input type="checkbox"/>	_____	Safety analysis report	<input type="checkbox"/>	_____
Engineering/site drawings	<input checked="" type="checkbox"/>	3, 5	O&D report	<input type="checkbox"/>	_____
Unusual Occurrence Report	<input type="checkbox"/>	_____	Initial assessment	<input type="checkbox"/>	_____
Summary documents	<input type="checkbox"/>	_____	Well data	<input type="checkbox"/>	_____
Facility SOPs	<input type="checkbox"/>	_____	Construction data	<input type="checkbox"/>	_____
OTHER	<input type="checkbox"/>	_____			

Question 4. Is there evidence that a source exists at this site? If so, list the sources and describe the evidence.

Block 1 Answer:

There is no confirmed evidence that a source exists at either of these sites (CPP-32 east or -32 west).

The only information concerning these release events is a notegram dated December 30, 1976. This document does not discuss whether the contaminated soil had been cleaned up.

Also, the 1990 and 1991 surface radiological surveys (ref. 3, 6) did not detect any radioactive contamination above background at CPP-32 east or -32 west.

Block 2 How reliable is/are the information source/s? High Med Low (check one)

EXPLAIN THE REASONING BEHIND THIS EVALUATION.

Although information from a notegram of the events does not describe any cleanup actions, surface radiological survey results were negative.

Block 3 Has this INFORMATION been confirmed? Yes No (check one)

IF SO, DESCRIBE THE CONFIRMATION.

These areas were also re-surveyed in 1991 (12/20/91), per a request by WINCO Environmental Restoration.

Block 4 **SOURCES OF INFORMATION** (check appropriate box/es & source number from reference list)

- | | | | | | |
|---------------------------|-------------------------------------|-------------|--------------------------|-------------------------------------|-------------|
| No available information | <input type="checkbox"/> | _____ | Analytical data | <input type="checkbox"/> | _____ |
| Anecdotal | <input type="checkbox"/> | _____ | Documentation about data | <input checked="" type="checkbox"/> | <u>1, 2</u> |
| Historical process data | <input type="checkbox"/> | _____ | Disposal data | <input type="checkbox"/> | _____ |
| Current process data | <input type="checkbox"/> | _____ | Q.A. data | <input type="checkbox"/> | _____ |
| Aerial photographs | <input type="checkbox"/> | _____ | Safety analysis report | <input type="checkbox"/> | _____ |
| Engineering/site drawings | <input checked="" type="checkbox"/> | <u>3, 6</u> | D&D report | <input type="checkbox"/> | _____ |
| Unusual Occurrence Report | <input type="checkbox"/> | _____ | Initial assessment | <input type="checkbox"/> | _____ |
| Summary documents | <input type="checkbox"/> | _____ | Well data | <input type="checkbox"/> | _____ |
| Facility SOPs | <input type="checkbox"/> | _____ | Construction data | <input type="checkbox"/> | _____ |
| OTHER | <input type="checkbox"/> | _____ | | | |

Question 5. Does site operating or disposal historical information allow estimation of the pattern of potential contamination? If the pattern is expected to be a scattering of hot spots, what is the expected minimum size of a significant hot spot?

Block 1 Answer:

The contamination pattern at CPP-32 east was an 8 ft² area to a depth of approximately 1 foot. The pattern at CPP-32 west was a 6 ft² area to a depth of approximately 1 foot. These areas would have most likely caused single zones of contamination, not hot spot type distributions.

Block 2 How reliable is/are the information source/s? High Med Low (check one)

EXPLAIN THE REASONING BEHIND THIS EVALUATION.

The data does not specify the exact disposal sites, quantities released or the duration of these releases.

Block 3 Has this INFORMATION been confirmed? Yes No (check one)

IF SO, DESCRIBE THE CONFIRMATION.

Block 4 **SOURCES OF INFORMATION** (check appropriate box/es & source number from reference list)

- | | | | | | |
|---------------------------|--------------------------|-------|--------------------------|-------------------------------------|---------|
| No available information | <input type="checkbox"/> | _____ | Analytical data | <input type="checkbox"/> | _____ |
| Anecdotal | <input type="checkbox"/> | _____ | Documentation about data | <input checked="" type="checkbox"/> | 1 _____ |
| Historical process data | <input type="checkbox"/> | _____ | Disposal data | <input type="checkbox"/> | _____ |
| Current process data | <input type="checkbox"/> | _____ | Q.A. data | <input type="checkbox"/> | _____ |
| Areal photographs | <input type="checkbox"/> | _____ | Safety analysis report | <input type="checkbox"/> | _____ |
| Engineering/site drawings | <input type="checkbox"/> | _____ | D&D report | <input type="checkbox"/> | _____ |
| Unusual Occurrence Report | <input type="checkbox"/> | _____ | Initial assessment | <input type="checkbox"/> | _____ |
| Summary documents | <input type="checkbox"/> | _____ | Well data | <input type="checkbox"/> | _____ |
| Facility SOPs | <input type="checkbox"/> | _____ | Construction data | <input type="checkbox"/> | _____ |
| OTHER | <input type="checkbox"/> | _____ | | | |

Question 6. Estimate the length, width, and depth of the contaminated region. What is the known or estimated volume of the source? If this is an estimated volume, explain carefully how the estimate was derived.

Block 1 Answer:

CPP-32 east covered an area of about 8 ft² and penetrating approximately 12 inches, while CPP-32 west covered an area of about 6 ft² and penetrating approximately 12 inches.

The volume can only be estimated since the depth of contamination was stated to be approximately 12 inches. Based on the two areas described above and a depth of 12 inches the estimated volume of the source would be approximately 8 ft³ (0.3 yd³) at CPP-32 east and 6 ft³ (0.2 yd³) at CPP-32 west.

Block 2 How reliable is/are the information source/s? High Med Low (check one)

EXPLAIN THE REASONING BEHIND THIS EVALUATION.

A notegram dated December 30, 1976 describes this information.

Block 3 Has this INFORMATION been confirmed? Yes No (check one)

IF SO, DESCRIBE THE CONFIRMATION.

Block 4 **SOURCES OF INFORMATION** (check appropriate box/es & source number from reference list)

No available information	<input type="checkbox"/>	_____	Analytical data	<input type="checkbox"/>	_____
Anecdotal	<input type="checkbox"/>	_____	Documentation about data	<input checked="" type="checkbox"/>	1
Historical process data	<input type="checkbox"/>	_____	Disposal data	<input type="checkbox"/>	_____
Current process data	<input type="checkbox"/>	_____	Q.A. data	<input type="checkbox"/>	_____
Aerial photographs	<input type="checkbox"/>	_____	Safety analysis report	<input type="checkbox"/>	_____
Engineering/site drawings	<input type="checkbox"/>	_____	D&D report	<input type="checkbox"/>	_____
Unusual Occurrence Report	<input type="checkbox"/>	_____	Initial assessment	<input type="checkbox"/>	_____
Summary documents	<input type="checkbox"/>	_____	Well data	<input type="checkbox"/>	_____
Facility SOPs	<input type="checkbox"/>	_____	Construction data	<input type="checkbox"/>	_____
OTHER	<input type="checkbox"/>	_____			

Question 7. What is the known or estimated quantity of hazardous substance/constituent at this source? If the quantity is an estimate, explain carefully how the estimate was derived.

Block 1 Answer:

Unknown

Block 2 How reliable is/are the information source/s? High Med Low (check one)

EXPLAIN THE REASONING BEHIND THIS EVALUATION.

N/A

Block 3 Has this INFORMATION been confirmed? Yes No (check one)

IF SO, DESCRIBE THE CONFIRMATION.

N/A

Block 4 **SOURCES OF INFORMATION** (check appropriate box/es & source number from reference list)

- | | | | | | |
|---------------------------|--------------------------|-------|--------------------------|--------------------------|-------|
| No available information | <input type="checkbox"/> | _____ | Analytical data | <input type="checkbox"/> | _____ |
| Anecdotal | <input type="checkbox"/> | _____ | Documentation about data | <input type="checkbox"/> | _____ |
| Historical process data | <input type="checkbox"/> | _____ | Disposal data | <input type="checkbox"/> | _____ |
| Current process data | <input type="checkbox"/> | _____ | Q.A. data | <input type="checkbox"/> | _____ |
| Aerial photographs | <input type="checkbox"/> | _____ | Safety analysis report | <input type="checkbox"/> | _____ |
| Engineering/site drawings | <input type="checkbox"/> | _____ | D&D report | <input type="checkbox"/> | _____ |
| Unusual Occurrence Report | <input type="checkbox"/> | _____ | Initial assessment | <input type="checkbox"/> | _____ |
| Summary documents | <input type="checkbox"/> | _____ | Well data | <input type="checkbox"/> | _____ |
| Facility SOPs | <input type="checkbox"/> | _____ | Construction data | <input type="checkbox"/> | _____ |
| OTHER | <input type="checkbox"/> | _____ | | | |

Question 8. Is there evidence that this hazardous substance/constituent is present at the source as it exists today? If so, describe the evidence.

Block 1 Answer:

There is no confirmed evidence that a source exists at either of these sites (CPP-32 east or -32 west).

The only information concerning these release events is a notegram dated December 30, 1976. This document does not discuss whether the contaminated soil had been cleaned up.

Also, the 1990 and 1991 surface radiological surveys did not detect any radioactive contamination above background at CPP-32 east or -32 west.

Block 2 How reliable is/are the information source/s? High Med Low (check one)

EXPLAIN THE REASONING BEHIND THIS EVALUATION.

Although information from a notegram of the events does not describe any cleanup actions, surface radiological survey results were negative.

Block 3 Has this INFORMATION been confirmed? Yes No (check one)

IF SO, DESCRIBE THE CONFIRMATION.

These areas were also re-surveyed in 1991 (12/20/91), per a request by WINCO Environmental Restoration.

Block 4 **SOURCES OF INFORMATION** (check appropriate box/es & source number from reference list)

No available information	<input type="checkbox"/>	_____	Analytical data	<input type="checkbox"/>	_____
Anecdotal	<input type="checkbox"/>	_____	Documentation about data	<input checked="" type="checkbox"/>	1, 2
Historical process data	<input type="checkbox"/>	_____	Disposal data	<input type="checkbox"/>	_____
Current process data	<input type="checkbox"/>	_____	Q.A. data	<input type="checkbox"/>	_____
Aerial photographs	<input type="checkbox"/>	_____	Safety analysis report	<input type="checkbox"/>	_____
Engineering/site drawings	<input checked="" type="checkbox"/>	3, 6	D&D report	<input type="checkbox"/>	_____
Unusual Occurrence Report	<input type="checkbox"/>	_____	Initial assessment	<input type="checkbox"/>	_____
Summary documents	<input type="checkbox"/>	_____	Well data	<input type="checkbox"/>	_____
Facility SOPs	<input type="checkbox"/>	_____	Construction data	<input type="checkbox"/>	_____
OTHER	<input type="checkbox"/>	_____			

REFERENCES

1. Notegram dated December 30, 1976 from C. W. Ison (Allied Chemical Corporation) to the Decommissioning File.
2. WINCO Health Physics Survey Report, "Survey of Tank Farm", December 20, 1991.
3. 1990 and 1991 Surface Radioactivity Survey Maps
4. WINCO, Personal communication between Nielsen Burch (Environmental Compliance) and Dave Machovec (Production), December 16, 1991.
5. WINCO, Personal communication between Nielsen Burch (Environmental Compliance) and Pete Mickelson (Production), January 3, 1992.
6. 1990-1991 Surface Radioactivity Cleanup Status.

ECA 32 REFERENCE 1.



Handwritten scribbles at the top of the page.

Idaho Chemical Programs - Operations Office

Interoffice Correspondence

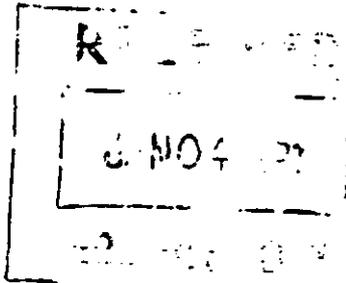
December 30, 1976

0005/28

NOTEGRAM

To: Decommissioning File

From: C. W. Ison



Additional areas of contaminated soil located on the tank farm have been identified at the following specific locations:

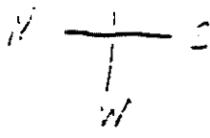
- 1 - Soil contaminated to 2 rem/hr and covering an area of approximately 8 ft.² and penetrating > 12 inches, located South West of Valve Box B-4. The material appears to have originated from the stand pipe adjacent to Valve Box B-4.
- 2 - Soil contaminated to 2 rem/hr and covering an area of approximately 6 ft.² and penetrating greater than 12 inches is located approximately 50 feet North West of Valve Box B-4 and apparently originated from the West section of the 2 inch above ground line. See attached sketch.

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Attachment

cc: B. L. Rich
 D. A. Thompson
 C. W. Ison - 2

32



CPP-636

Above ground line

2R/hr on Ground

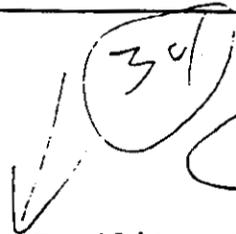


B-4 Valve Box

2R/hr on ground Under Stand Pipe

Pin

003728



SWMU CPP-32

(19) Liquid Waste Storage Facility, two additional areas of soil contamination were identified on December 30, 1976:

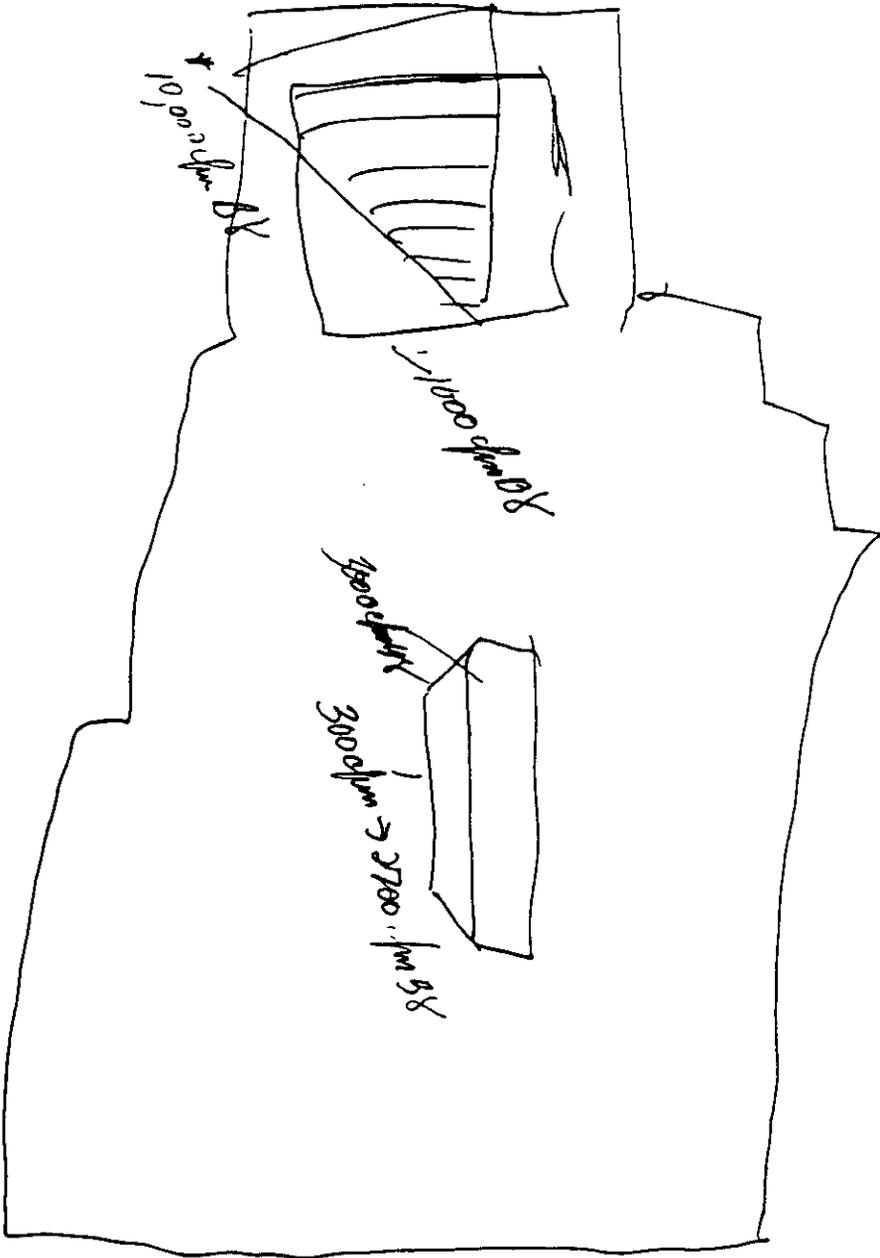
- (a) Soil contaminated to 2 rem/hr was found located southwest of valve box B-4. The contamination appears to have resulted from the leakage of the standpipe adjacent to valve box B-4.
- (b) Soil contaminated to 2 rem/hr was located 50 feet northwest of valve box B-4 and appears to have originated from the west section of a two inch above ground line.

17

ECA 32 REFERENCE 2.

Recommended Followup

Sketch



Copy Sent to:

ECA 32 REFERENCE 3.

**[1990 RAD MAP INCLUDED]
[1991 MAP CURRENTLY NOT AVAILABLE]**

ECA 32 REFERENCE 4.



Westinghouse Idaho
Nuclear Company, Inc.

MEMO OF CONVERSATION

Date Dec 16, 1991 Time _____ Commitment Made Yes No Date: _____

Person Calling Nickel Burch Person Called Dave Machovec Started with WINCO in 1976

Representing _____ Representing _____

Purpose of Conversation _____

Text of Conversation How are valve boxes constructed?

Typically valve boxes are a concrete box with a stainless steel liner in the bottom. The valves are arranged so that they are over the liner to contain any leaks.

Before the valve boxes were brought to the surface they had a manway riser that came to the surface and reached rods from the valves to the surface parallel to the ~~manway~~ risers. They also had an air vent tube and view port pipe so they could see if there was liquid in the bottom of the valve boxes.

Air vent tubes were removed as valve boxes were brought to the surface because they would sometime drip condensate onto the ground.

Signed Nickel Burch Date 12/16/91

ECA 32 REFERENCE 5.



MEMO OF CONVERSATION

Date Jan 3, 1992 Time 2:00 pm Commitment Made Yes No Date: _____

Person Calling Nielsen David Person Called Pete Mickelson

Representing _____ Representing _____

Purpose of Conversation _____

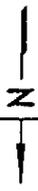
Text of Conversation What would the 2" above ground line be that is talked about in the remarks section of the information sheet for 32?

This line is probably the transfer line the portable pump pumping system is connected to when the tank sumps were jettied and the liquid was sent to the evaporator. This liquid was believed to be ground water. They didn't want to fill the high level water tanks with ground water so they devised this system to send it to the evaporator.

Signed [Signature] Date Jan 6, '92

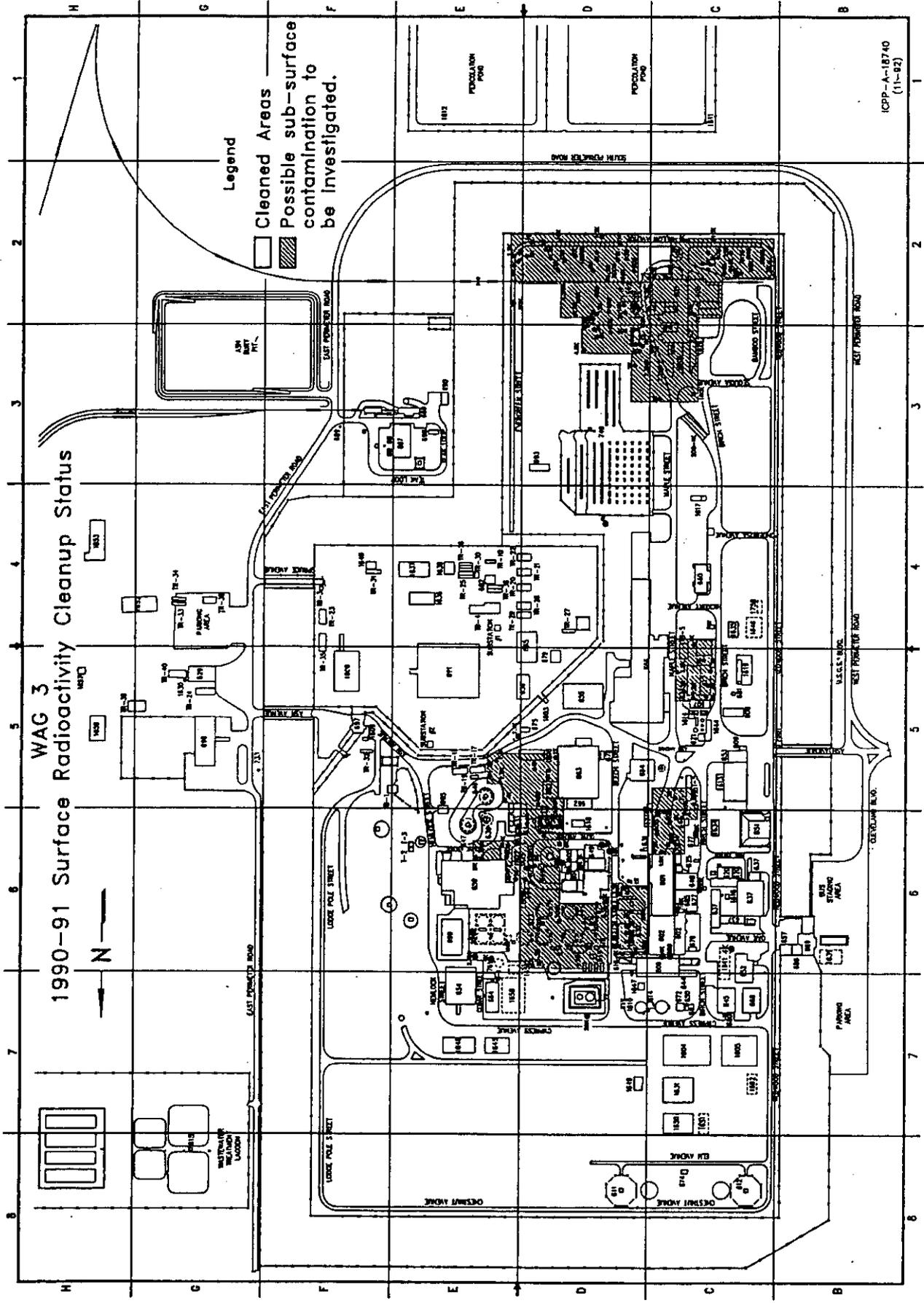
ECA 32 REFERENCE 6

WAG 3 1990-91 Surface Radioactivity Cleanup Status



Legend

-  Cleaned Areas
-  Possible sub-surface contamination to be investigated.



ICPP-A-18740
(11-82)