

APVR-DE-PSE (200-1a)

14 May 1990

MEMORANDUM FOR RECORD

SUBJECT: Sampling at Antenna Field

1. On 25 Apr 90, the Environmental Resources Branch sampled seven underground storage tanks (USTs) at the antenna field. All tanks had previously been pumped and only the sludge remained. Three of the tanks did not have enough sludge to draw a sample (<1"), We have attached the analysis for the remaining USTs. (Samples 90041, 90042, 90043, 90044).
2. The analysis indicates no PCBs were detected in any of the samples. Additionally, samples 9941 and 90042 were water with only trace amounts of fuel.
3. The remaining compounds are not toxic unless they are ingested. It is unlikely the contents of these tanks will cause any adverse effects if proper work practices are used.

LORI T. LAY
Environmental Engineer

MAY 10 '90 16:31 NTL-ANCHORAGE 907 274-9645

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NORTHERN TESTING LABORATORIES, INC.

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Directorate Of Engineering & Housing
Environmental/Natural Resources Branch
6th Infantry Division (Light)
AFVR-DE-PSE
Fort Richardson, AK 99505-5470

Date Arrived: 04/25/90
Time Arrived: 1610
Date Sampled: Various
Time Sampled: Various
Date Completed: 05/10/90

Source: Antenna Field Tanks #s 88,87,86,52 and 955 Fuel
Sample IDs: A042590-20 through 24

Attn: Jane Smith

Parameter	Units	A042590-20 90041	A042590-21 90042	A042590-22 90043	A042590-23 90044	A042590-24 90045	Allowable Limits	Detection Limits
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WASTE OIL - ENERGY RECOVERY SCREENING

Total Organic Halogens	mg/kg	*	*	480	335	<10		-
Total Halogens	mg/kg	*	*	+	163	<10	1000 Max	-
Flash Point	Deg. F.	>170	88	>170	+	<65	100 Min	-
Arsenic	mg/kg	*	*	4	4	4	5	-
Cadmium	mg/kg	*	*	3.2	<0.40	<0.40	2	-
Chromium	mg/kg	*	*	23	3.5	4.4	10	-
Lead	mg/kg	*	*	269	4	4	100	-

PCB's:

Aroclor 1016	mg/kg	<DL	<DL	<DL	<DL	<DL	-	1.0
Aroclor 1221	mg/kg	<DL	<DL	<DL	<DL	<DL	-	1.0
Aroclor 1232	mg/kg	<DL	<DL	<DL	<DL	<DL	-	1.0
Aroclor 1242	mg/kg	<DL	<DL	<DL	<DL	<DL	-	1.0
Aroclor 1248	mg/kg	<DL	<DL	<DL	<DL	<DL	-	1.0
Aroclor 1254	mg/kg	<DL	<DL	<DL	<DL	<DL	-	1.0
Aroclor 1260	mg/kg	<DL	<DL	<DL	<DL	<DL	-	1.0

*Note: These samples were not organic matrices and were not suitable for waste oil analysis. *Water with trace amounts of fuel. Not enough to analyze.*
 *Note: Insufficient sample quantity to perform analysis.

Reported By:

Date: 05/10/90

Francois Rodigari, Anchorage Operations Manager



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Department of Environmental Health
6th Infantry Division (Light)
AFVR-DE-PSE
Fort Richardson, AK 99505-5470
Attn: Lori Lay

Date Arrived: 04/25/90
Time Arrived: 1610
Date Sampled: Various
Time Sampled: Various
Date Completed: 05/02/90

Source: Antenna Field Tanks #s 86,87,86 and 955 Fuel
Sample ID#: A042590-20,21,22,24

NTL ID#	Client ID #	Flashpoint Deg. F.
A042590-20	90041	170
A042590-21	90042	88
A042590-22	90043	170
A042590-24	90045	65

Reported By:

Date: 05/10/90

Francois Rodigari, Anchorage Operations Manager

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Quality Control Report

Client: DEH
ID#: A042590-20 through 24

Listed below are quality control assurance reference samples with a known concentration prior to analysis. The acceptable limits represent a 95% confidence interval established by the Environmental Protection Agency or by our laboratory through repetitive analyses of the reference sample. The reference samples indicated below were analyzed at the same time as your sample, ensuring the accuracy of your results.

ID#	Parameter	Unit	Result	Acceptable Range
p-Xylene	Flashpoint	Deg. F.	88	True Value = 81
EPA Standard	uroclor 1260	mg/l	2.0	1.6 - 2.4

Reported By:

Date: 05/10/90

Francois Rodigari, Anchorage Operations Manager