

CIRCEK STATION #1461

Release ID: 1548

Seattle



RECEIVED  
JAN 17 2001  
DEPT. OF ECOLOGY

January 15, 2001

Ms. Patricia Magnuson  
**King County Industrial Waste**  
130 Nickerson Street, Suite 200  
Seattle, WA 98109-1658

**RE: Major Discharge Authorization No. 192-01**  
**Jin's Enterprises, 2350 24<sup>th</sup> Avenue East, Seattle, Washington**

Sent by Fax: (206) 263-3001  
9 Pages Total

Dear Ms. Magnuson,

With regard to your letter of December 12, 2000 to Mr. Jin Choung requesting report of annual monitoring for the referenced discharge permit, please note the following:

Glacier Environmental Services, Inc. (Glacier) has operated and maintained the groundwater treatment system at the site under contract with the Washington State Department of Ecology (Ecology) for the past several years. In May of 2000, Glacier's contract with Ecology expired. At that time Ecology decided to temporarily cease operation of the system and evaluate other treatment alternatives for the site.

The system was operational between January 1, 2000 and February 28, 2000. On February 28, 2000 the system was shut down for maintenance and restarted on April 24, 2000. The system was operational until May 15, 2000 when it was shut down for an indefinite period. During the period from January 1, 2000 through May 15, 2000 a total of 11,930 gallons of water was discharged to sanitary sewer.

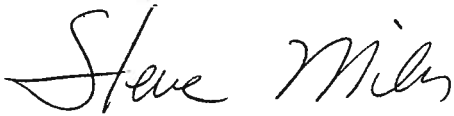
On January 5, 2000, a representative sample of the treated system effluent was submitted to North Creek Analytical in Bothell, Washington and tested for total gasoline range petroleum hydrocarbons, benzene, toluene, ethylbenzene, xylenes, and fats, oil and grease. All tested analytes were non-detect. A copy of the analytical report is attached for your use. No further testing was performed in 2000.

It is undetermined when or what treatment technology will be employed at the site in the future. We understand that Ecology wishes to maintain the existing discharge authorization in the event it is again necessary in the continued cleanup of the site. Glacier has proposed to Ecology to provide reporting of any discharge or lack thereof for the year 2001.

January 15, 2001  
Ms Patricia Magnuson  
Page 2

We trust that the information provided herein satisfies your annual reporting requirement for this site. Please do not hesitate to call me if you need further information.

Sincerely,  
**Glacier Environmental Services, Inc.**



Steve Miles  
President

Attachment

C.C.: Mr. Jin Choung  
2350 24<sup>th</sup> Avenue East  
Seattle, WA 98112

Mr. Joe Hickey  
Washington State Department of Ecology  
3190 160<sup>th</sup> Avenue Southeast  
Bellevue, WA 98008-5452



Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508  
 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton OR 97008-7132  
 503.906.9200 fax 503.906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

Glacier Environmental  
 12521 Evergreen Dr., Ste A  
 Mukilteo WA, 98275

Project: Circle K - DOE  
 Project Number: 98015  
 Project Manager: Curt Lightle

Reported:  
 01/13/00 11:25

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFF10500	B0A0127-01	Water	01/05/00 16:00	01/11/00 12:20

RECEIVED  
 JAN 18 2000  
 GLACIER - MUKILTEO

North Creek Analytical - Bothell

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Steve Davis, Project Manager

**North Creek Analytical, Inc.  
 Environmental Laboratory Network**

Page 1 of 7



Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508  
 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

Glacier Environmental  
 12521 Evergreen Dr., Ste A  
 Mukilteo WA, 98275

Project: Circle K - DOE  
 Project Number: 98015  
 Project Manager: Curt Lightle

Reported:  
 01/13/00 11:25

**Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>EFF10500 (B0A0127-01) Water</b> <b>Sampled: 01/05/00 16:00</b> <b>Received: 01/11/00 12:20</b>									
Gasoline Range Hydrocarbons	ND	50.0	ug/l	1	0A10030	01/10/00	01/11/00	NWTPH-Gx/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	105 %	50-150			"	"	"	"	
Surrogate: 4-BFB (PID)	101 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Steve Davis, Project Manager

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**



Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508  
 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

Glacier Environmental  
 12521 Evergreen Dr., Ste A  
 Mukilteo WA, 98275

Project: Circle K - DOE  
 Project Number: 98015  
 Project Manager: Curt Lightle

Reported:  
 01/13/00 11:25

**Conventional Chemistry Parameters by APHA/EPA Methods**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

EFF10500 (B0A0127-01) Water Sampled: 01/05/00 16:00 Received: 01/11/00 12:20

Fats, Oil & Grease (total)	ND	1.00	mg/l	1	0A12002	01/12/00	01/12/00	EPA 418.1/413.2	
Fats, Oil & Grease (non-polar)	ND	1.00	"	"	"	"	"	"	
Fats, Oil & Grease (polar)	ND	1.00	"	"	"	"	"	"	

North Creek Analytical - Bothell

Steve Davis, Project Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

Page 3 of 7



Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508  
 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

Glacier Environmental  
 12521 Evergreen Dr., Ste A  
 Mukilteo WA, 98275

Project: Circle K - DOE  
 Project Number: 98015  
 Project Manager: Curt Lightle

Reported:  
 01/13/00 11:25

**Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 0A10030: Prepared 01/10/00 Using EPA 5030B (P/T)**

**Blank (0A10030-BLK1)**

Gasoline Range Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	1.00	"							
Surrogate: 4-BFB (FID)	47.4		"	48.0		98.8	50-150			
Surrogate: 4-BFB (PID)	44.6		"	48.0		92.9	50-150			

**Blank (0A10030-BLK2)**

Gasoline Range Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	1.00	"							
Surrogate: 4-BFB (FID)	50.5		"	48.0		105	50-150			
Surrogate: 4-BFB (PID)	44.8		"	48.0		93.3	50-150			

**LCS (0A10030-BS1)**

Gasoline Range Hydrocarbons	491	50.0	ug/l	500		98.2	70-130			
Surrogate: 4-BFB (FID)	59.5		"	48.0		124	50-150			

**Duplicate (0A10030-DUP1)**

**Source: B0A0111-01**

Gasoline Range Hydrocarbons	5640	1250	ug/l		4770			16.7	25	
Surrogate: 4-BFB (FID)	53.6		"	48.0		112	50-150			

**Duplicate (0A10030-DUP2)**

**Source: B0A0104-06**

Gasoline Range Hydrocarbons	4740	1000	ug/l		4420			6.99	25	
Surrogate: 4-BFB (FID)	54.8		"	48.0		114	50-150			

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Steve Davis, Project Manager

North Creek Analytical, Inc.  
 Environmental Laboratory Network

Page 4 of 7



Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508  
 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7538

Glacier Environmental  
 12521 Evergreen Dr., Ste A  
 Mukilteo WA, 98275

Project: Circle K - DOE  
 Project Number: 98015  
 Project Manager: Curt Lightle

Reported:  
 01/13/00 11:25

**Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0A10030: Prepared 01/10/00 Using EPA 5030B (P/T)

**Matrix Spike (0A10030-MS1)**

Source: B0A0127-01

Benzene	10.1	0.500	ug/l	10.0	ND	101	70-130			
Toluene	10.8	0.500	"	10.0	ND	108	70-130			
Ethylbenzene	10.8	0.500	"	10.0	ND	108	70-130			
Xylenes (total)	32.1	1.00	"	30.0	ND	107	70-130			
Surrogate: 4-BFB (PID)	49.2		"	48.0		103	50-150			

**Matrix Spike Dup (0A10030-MSD1)**

Source: B0A0127-01

Benzene	9.67	0.500	ug/l	10.0	ND	96.7	70-130	4.35	15	
Toluene	9.94	0.500	"	10.0	ND	99.4	70-130	8.29	15	
Ethylbenzene	10.2	0.500	"	10.0	ND	102	70-130	5.71	15	
Xylenes (total)	30.3	1.00	"	30.0	ND	101	70-130	5.77	15	
Surrogate: 4-BFB (PID)	49.5		"	48.0		103	50-150			

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Steve Davis, Project Manager

North Creek Analytical, Inc.  
 Environmental Laboratory Network

Page 5 of 7



Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508  
 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

Glacier Environmental  
 12521 Evergreen Dr., Ste A  
 Mukilteo WA, 98275

Project: Circle K - DOE  
 Project Number: 98015  
 Project Manager: Curt Lightle

Reported:  
 01/13/00 11:25

**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 0A12002: Prepared 01/12/00 Using EPA 418.1**

**Blank (0A12002-BLK1)**

Fats, Oil & Grease (total)	ND	1.00	mg/l							
Fats, Oil & Grease (non-polar)	ND	1.00	"							
Fats, Oil & Grease (polar)	ND	1.00	"							

**LCS (0A12002-BS1)**

Fats, Oil & Grease (total)	2.43	1.00	mg/l	2.36		103	65.8-123			
Fats, Oil & Grease (non-polar)	2.43	1.00	"	2.36		103	65.8-123			

**LCS Dup (0A12002-BSD1)**

Fats, Oil & Grease (total)	2.43	1.00	mg/l	2.36		103	65.8-123	0	60	
Fats, Oil & Grease (non-polar)	2.43	1.00	"	2.36		103	65.8-123	0	60	

North Creek Analytical - Bothell

Steve Davis, Project Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

Page 6 of 7





Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508  
 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.966.9200 fax 503.966.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

Glacier Environmental  
 12521 Evergreen Dr., Ste A  
 Mukilteo WA, 98275

Project: Circle K - DOE  
 Project Number: 98015  
 Project Manager: Curt Lightle

Reported:  
 01/13/00 11:25

**Notes and Definitions**

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

North Creek Analytical - Bothell

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Steve Davis, Project Manager

**North Creek Analytical, Inc.  
 Environmental Laboratory Network**

Page 7 of 7



East 11115 Montgomery, Suite B, Spokane, WA 98206-4776 (509) 924-9200 FAX 924-9290  
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 (503) 906-9200 FAX 906-9210  
 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 (541) 383-9310 FAX 382-7588

# CHAIN OF CUSTODY REPORT

Work Order #: **BOA0127**

CLIENT: **Glacier Environmental**  
 REPORT TO: **Curt Lightle**  
 ADDRESS: **13521 Evergreen Dr**  
**Maskiltee, WA**  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

INVOICE TO: **Same**

TURNAROUND REQUEST in Business Days\*

Organic & Inorganic Analyses  
 10  7  5  4  3  2  1  <1

Petroleum Hydrocarbon Analyses  
 5  4  3  2  1  <1

STD.  OTHER  Please Specify \_\_\_\_\_

\*Turnaround Requests less than standard may incur Rush Charges.

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	REQUESTED ANALYSES										MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID		
		MURPH-C	BTEX	Non-Petrol													
1. EFF10500	1-5-00 / 4:00	X	X														
2. EFF10500	1-5-00 / 4:00			X													
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	
11.																	
12.																	
13.																	
14.																	
15.																	

RELINQUISHED BY: **[Signature]** DATE: **1-11-00** RECEIVED BY: **Bill Kern** DATE: **1-11-00**

PRINT NAME: **Curt Lightle** TIME: **4:30** PRINT NAME: **KUN/HERM** FIRM: **NCA** TIME: **10:00**

RELINQUISHED BY: **S. Wieden** DATE: **1-11-00** RECEIVED BY: **[Signature]** DATE: **1/11/00**

PRINT NAME: **S. Wieden** TIME: **12:20** PRINT NAME: **[Signature]** FIRM: **NCA** TIME: **12:20**

ADDITIONAL REMARKS:

TEMP: **W/D** PAGE: **OF**  
**4.4**