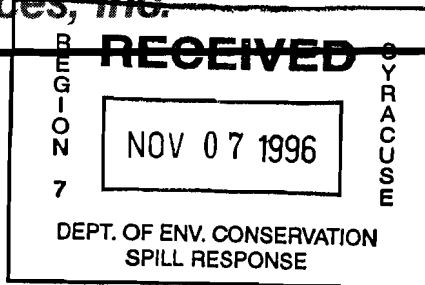




**Certified  
Environmental  
Services, Inc.**

1401 Erie Blvd. East  
Syracuse, NY 13210  
Phone 315-478-2374  
Fax 315-478-2107



November 6, 1996

NYSDEC Region #7  
ATTN: Mr. Richard Brazell  
615 Erie Boulevard West  
Syracuse, New York 13204

**Re: Alaskan Oil, Inc. 23179 Route 342 Bioremediation Project  
1996 Maintenance Record**

Dear Mr. Brazell:

Please accept the following as record of the maintenance activities associated with the Alaskan Oil, Inc. bioremediation cell located at 23179 Route 342, Watertown, New York for the 1996 treatment season.

<u>DATE</u>	<u>ACTIVITY</u>
6/3/96	Remove 1,200 cubic yards of treated soil from the biocell; Conduct secondary sampling of stripped soil. Seven composite samples were collected and analyzed by CES in accordance with USEPA Methods 8021 and 8270 utilizing TCLP. Results indicate compliance with NYSDEC STARS guidance values.
6/25/96	Inspect, inoculate, till and sample biocell. Microbial inoculation was performed by BioSolutions, Inc.; CES collected a soil sample for TPH (NYSDOH 310-13), pH and moisture content analyses.
8/6/96	Inspect, till and sample. CES collected quadrant soil samples for TPH, pH, moisture content and nutrient analyses. Also, a sample was collected for utilizer and total heterotroph counts.
8/20/96	Receive Region #6 approval to transport stripped pile of clean soil to AOI property located at 22947 Bradley Street, Watertown, New York pending Region #7 approval. <i>4-10-97 - requested copy of Region 6 letter from CES</i>
9/20/96	Inspect, till and sample. CES collected quadrant soil samples for TPH, pH, moisture content and nutrient analyses. Also, a sample was collected for utilizer and total heterotroph counts.
11/6/96	Cover biocell for winter.

Results from laboratory analyses are provided as **ATTACHMENT A**. Do not hesitate to contact me at (315)478-2374 if you have any questions regarding the attached or if I can be of assistance on any other matter.

Sincerely,  
**Certified Environmental Services**

Eric E. Murdock  
Senior Project Manager

**ATTACHMENT A**      Results from Laboratory Analyses

cc: R. Neugebauer, AOI  
T. Voss, NYSDEC Region #6



**ATTACHMENT A**  
***Results from Laboratory Analyses***



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REPORT OF ANALYSES

ALASKAN OIL  
500 SOLAR STREET  
SYRACUSE, NY 13204-  
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #344-Watertown-Rt 342  
DATE: 07/22/96

SAMPLE NUMBER- 111957    SAMPLE ID- NE Quadrant-Rt. 342 Biocell    SAMPLE MATRIX- SO  
DATE SAMPLED- 06/25/96    TIME SAMPLED- 1600  
DATE RECEIVED- 06/26/96    SAMPLER- Kevin R. Rowe    RECEIVED BY- CAM  
TIME RECEIVED- 0830    DELIVERED BY- Kevin R. Rowe    TYPE SAMPLE- Composite

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT	UNITS
		DATE	BY	DATE					
PH IN WATER	EPA 150.1			06/27/96			BJC	8.38	std units
TOTAL SOLIDS	EPA 160.3			06/26/96	1600		BJC	898000	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	DOH 310-13	07/08/96	KSA	07/08/96			KSA		
GASOLINE	DOH 310-13	07/08/96	KSA	07/08/96			KSA	< 10	mg/Kg
KEROSENE	DOH 310-13	07/08/96	KSA	07/08/96			KSA	19	mg/Kg
FUEL OIL	DOH 310-13	07/08/96	KSA	07/08/96			KSA	< 5	mg/Kg
DIESEL	DOH 310-13	07/08/96	KSA	07/08/96			KSA	< 5	mg/Kg
MOTOR OIL	DOH 310-13	07/08/96	KSA	07/08/96			KSA	< 20	mg/Kg

Approved By

TPH - Please be advised this method is specifically related to the subjective interpretation of the analyst.

NYSDOH ELAP #11246

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## CHAIN OF CUSTODY RECORD

Company: <u>Alaskan oil, Inc.</u>						Phone: _____						Analysis									
Address: <u>500 Sater St.</u>						Fax: _____															
<u>Syracuse, NY</u>						P.O. #: _____															
Contact Person: <u>Richard Neugebauer</u>						Project: <u>BOT/PEF # 344 university</u> <u>Rt. 342 Bixell</u>															
Sampled By (print): <u>Kerry R Rowe</u>								(sign) <u>Kerry R Rowe</u>													
SAMPLE NO.	COLLECTED		M A I N B OX	C G T O R R E S P O N D E N T I A L	SAMPLE LOCATION	# OF CONT.							COMMENTS								
	DATE	TIME																			
<u>11957</u>	<u>6-25-96</u>	<u>1600</u>	X		<u>Northeast Quadrant - P</u> <u>Rt. 342 Bixell</u>	<u>1</u>	<u>XX</u>														
Relinquished By: <u>Kerry R. Rowe</u>			Date: <u>6/26/96</u>	Time: <u>0830</u>	Received By:			Date:	Time:												
Relinquished By:			Date:	Time:	Received by Lab:			Date:	Time:												



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**REPORT OF ANALYSES**

ALASKAN OIL  
500 SOLAR STREET  
SYRACUSE, NY 13204-  
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #344-Watertown-Rt 342  
DATE: 08/26/96

SAMPLE NUMBER- 115233 SAMPLE ID- Northeast Quadrant  
DATE SAMPLED- 08/06/96  
DATE RECEIVED- 08/07/96 SAMPLER- Eric Murdock  
TIME RECEIVED- 0800 DELIVERED BY- Eric Murdock

SAMPLE MATRIX- SO  
TIME SAMPLED- 1345  
RECEIVED BY- CAM  
TYPE SAMPLE- Composite

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
AMMONIA AS N	SM17 4500G		08/09/96	1430	JDC	46.0 mg/Kg
NITRATE/NITRITE	EPA 353.3		08/14/96		JDC	9.22 mg/Kg
PH IN WATER	EPA 150.1		08/08/96		BJC	8.55 std units
TOTAL SOLIDS	EPA 160.3		08/08/96	1040	BJC	914000 mg/Kg
TOTAL PETROLEUM HYDROCARBONS	DOH 310-13	08/19/96	KSA 08/20/96		KMS	
GASOLINE	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 15 mg/Kg
KEROSENE	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 15 mg/Kg
FUEL OIL	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 15 mg/Kg
DIESEL	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 15 mg/Kg
MOTOR OIL	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 50 mg/Kg

TPH - Please be advised this method is specifically related to the subjective interpretation of the analyst. Analysis performed and reported on a mg/Kg wet weight basis.

Approved By

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**REPORT OF ANALYSES**

**ALASKAN OIL**  
500 SOLAR STREET  
SYRACUSE, NY 13204-  
Attn: MR. RICH NEUGEBAUER

**PROJECT NAME: AOI/PEF, #344-Watertown-Rt 342**  
**DATE: 08/26/96**

**SAMPLE NUMBER- 115234    SAMPLE ID- Northwest Quadrant**  
**DATE SAMPLED- 08/06/96**  
**DATE RECEIVED- 08/07/96    SAMPLER- Eric Murdock**  
**TIME RECEIVED- 0800        DELIVERED BY- Eric Murdock**

**SAMPLE MATRIX- SO**  
**TIME SAMPLED- 1325**  
**RECEIVED BY- CAM**  
**TYPE SAMPLE- Composite**

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
AMMONIA AS N	SM17 4500G		08/09/96	1430	JDC	50.8 mg/Kg
NITRATE/NITRITE	EPA 353.3		08/14/96		JDC	9.76 mg/Kg
PH IN WATER	EPA 150.1		08/08/96		BJC	8.34 std units
TOTAL SOLIDS	EPA 160.3		08/08/96	1040	BJC	914000 mg/Kg
TOTAL PETROLEUM HYDROCARBONS	DOH 310-13	08/19/96	KSA 08/20/96		KMS	
GASOLINE	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 15 mg/Kg
KEROSENE	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 15 mg/Kg
FUEL OIL	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 15 mg/Kg
DIESEL	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 15 mg/Kg
MOTOR OIL	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 50 mg/Kg

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**REPORT OF ANALYSES**

ALASKAN OIL  
500 SOLAR STREET  
SYRACUSE, NY 13204-  
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #344-Watertown-Rt 342  
DATE: 08/26/96

SAMPLE NUMBER- 115235 SAMPLE ID- Southeast Quadrant  
DATE SAMPLED- 08/06/96  
DATE RECEIVED- 08/07/96 SAMPLER- Eric Murdock  
TIME RECEIVED- 0800 DELIVERED BY- Eric Murdock

SAMPLE MATRIX- SO  
TIME SAMPLED- 1335  
RECEIVED BY- CAM  
TYPE SAMPLE- Composite

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT	UNITS
		DATE	BY	DATE					
AMMONIA AS N	SM17 4500G			08/09/96	1430	JDC		49.6	mg/Kg
NITRATE/NITRITE	EPA 353.3			08/14/96		JDC		11.5	mg/Kg
PH IN WATER	EPA 150.1			08/08/96		BJC		8.21	std units
TOTAL SOLIDS	EPA 160.3			08/08/96	1040	BJC		902000	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	DOH 310-13	08/19/96	KSA	08/20/96		KMS			
GASOLINE	DOH 310-13	08/19/96	KSA	08/20/96		KMS		< 15	mg/Kg
KEROSENE	DOH 310-13	08/19/96	KSA	08/20/96		KMS		< 15	mg/Kg
FUEL OIL	DOH 310-13	08/19/96	KSA	08/20/96		KMS		< 15	mg/Kg
DIESEL	DOH 310-13	08/19/96	KSA	08/20/96		KMS		< 15	mg/Kg
MOTOR OIL	DOH 310-13	08/19/96	KSA	08/20/96		KMS		< 50	mg/Kg

TPH - Please be advised this method is specifically related to the subjective interpretation of the analyst. Analysis performed and reported on a mg/Kg wet weight basis.

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**REPORT OF ANALYSES**

ALASKAN OIL  
500 SOLAR STREET  
SYRACUSE, NY 13204-  
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #344-Watertown-Rt 342  
DATE: 08/26/96

SAMPLE NUMBER- 115236 SAMPLE ID- Southwest Quadrant  
DATE SAMPLED- 08/06/96  
DATE RECEIVED- 08/07/96 SAMPLER- Eric Murdock  
TIME RECEIVED- 0800 DELIVERED BY- Eric Murdock

SAMPLE MATRIX- SO  
TIME SAMPLED- 1340  
RECEIVED BY- CAM  
TYPE SAMPLE- Composite

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
AMMONIA AS N	SM17 4500G		08/09/96	1430	JDC	57.8 mg/Kg
NITRATE/NITRITE	EPA 353.3		08/14/96		JDC	7.36 mg/Kg
PH IN WATER	EPA 150.1		08/08/96		BJC	8.34 std units
TOTAL SOLIDS	EPA 160.3		08/08/96	1040	BJC	913000 mg/Kg
TOTAL PETROLEUM HYDROCARBONS	DOH 310-13	08/19/96	KSA 08/20/96		KMS	
GASOLINE	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 15 mg/Kg
KEROSENE	DOH 310-13	08/19/96	KSA 08/20/96		KMS	53 mg/Kg
FUEL OIL	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 15 mg/Kg
DIESEL	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 15 mg/Kg
MOTOR OIL	DOH 310-13	08/19/96	KSA 08/20/96		KMS	< 50 mg/Kg

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## CHAIN OF CUSTODY RECORD

Company: <u>Alaskan Oil, Inc</u>		Phone: <u>315 471-6476</u>		Analysis			
Address: <u>500 Solar St.</u>		Fax: _____					
Syracuse, NY		P.O. #: _____					
Contact Person: <u>Richard Neugebauer</u>		Project: <u>Route 392</u>					
		P.E. #394 Whitehorn					
SAMPLE NO.	COLLECTED		M A T R I A L P B X	SAMPLE LOCATION	# OF CONT.	TPH, AOX, pH, Moisture, Ammonia, Nitrate, Nitrite, Sulfide, Total Organic Carbon	COMMENTS
	DATE	TIME					
115233	8-6-96	1:45	X	NE Quadrant	2-8oz	X X X X	4 grabs
115234	8-6-96	1:25	X	NW Quadrant	2-8oz	X X X X	4 grabs
115235	8-6-96	1:35	X	SE Quadrant	2-8oz	X X X X	4 grabs
115236	8-6-96	1:40	X	SW Quadrant	2-8oz	X X X X	4 grabs
*	8-6-96	1:45	X	SNE Quadrant	LOT	(X)	1 Grab (Submitted on separate Chain of Custody)
							Note: Borell filled on 8-6-96
							Most samples collected
Sampled By (print): <u>Eric Spurr</u>		(sign) <u>[Signature]</u>		Date	Time	Received By:	
Relinquished By: <u>[Signature]</u>		Date	Time	Received By: <u>[Signature]</u>		Date	Time
		8-6-96	8:00 AM	8/7/96		0800	

# **Modular Bioremediation Package Biological Testing Summary Report**

Client: Certified Environmental Service  
Sample I.D.: NE Quad Rt 342  
Date Sampled: August 6, 1996

## **Total Viable Heterotrophs**

Data showed this material to contain  $2.0 \times 10^5$  CFUs per gram of soil. This is a below average concentration of soil bacteria.

## **Contaminant Utilizing Population (CUP) Analysis**

Eight colony forms were identified based on colony morphology. Microbial colonies were further isolated and tested for growth on #2 fuel oil at pH 7.2 and 22°C. Results showed that after 10 days, there was slight growth by 2 isolates on #2 fuel oil.



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REPORT OF ANALYSES

ALASKAN OIL  
500 SOLAR STREET  
SYRACUSE, NY 13204-  
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #344-Watertown-Rt 342  
DATE: 10/11/96

SAMPLE NUMBER- 118264 SAMPLE ID- Northeast Quad.  
DATE SAMPLED- 09/20/96  
DATE RECEIVED- 09/23/96 SAMPLER- Robert J. Foresti  
TIME RECEIVED- 0945 DELIVERED BY- Robert Foresti

SAMPLE MATRIX- SO  
RECEIVED BY- CAM  
TYPE SAMPLE- Composite

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT	UNITS
		DATE	BY	DATE					
AMMONIA AS N	SM17 4500G			09/27/96	1120	JDC	35.4	mg/Kg	
NITRATE/NITRITE	EPA 353.3			09/25/96		JDC	35.3	mg/Kg	
PH IN WATER	EPA 150.1			09/26/96		JDC	8.81	std units	
TOTAL SOLIDS	EPA 160.3			09/26/96		BJC	905000	mg/Kg	
TOTAL PETROLEUM HYDROCARBONS	DOH 310-13	10/01/96	KSA	10/03/96		KMS			
GASOLINE	DOH 310-13	10/01/96	KSA	10/03/96		KMS	< 7	mg/Kg	
KEROSENE	DOH 310-13	10/01/96	KSA	10/03/96		KMS	< 7	mg/Kg	
FUEL OIL	DOH 310-13	10/01/96	KSA	10/03/96		KMS	< 7	mg/Kg	
DIESEL	DOH 310-13	10/01/96	KSA	10/03/96		KMS	< 7	mg/Kg	
MOTOR OIL	DOH 310-13	10/01/96	KSA	10/03/96		KMS	< 50	mg/Kg	

Note: Analysis performed and reported on mg/Kg wet weight basis.

Approved By

NYSDOH ELAP #11246

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REPORT OF ANALYSES

ALASKAN OIL  
500 SOLAR STREET  
SYRACUSE, NY 13204-  
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #344-Watertown-Rt 342  
DATE: 10/11/96

SAMPLE NUMBER- 118265 SAMPLE ID- Northwest Quad.  
DATE SAMPLED- 09/20/96  
DATE RECEIVED- 09/23/96 SAMPLER- Robert J. Foresti  
TIME RECEIVED- 0945 DELIVERED BY- Robert Foresti

SAMPLE MATRIX- SO

RECEIVED BY- CAM  
TYPE SAMPLE- Composite

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
AMMONIA AS N	SM17 4500G		09/27/96	1120	JDC	33.4 mg/Kg
NITRATE/NITRITE	EPA 353.3		09/25/96		JDC	32.9 mg/Kg
PH IN WATER	EPA 150.1		09/26/96		JDC	8.71 std units
TOTAL SOLIDS	EPA 160.3		09/26/96		BJC	902000 mg/Kg
TOTAL PETROLEUM HYDROCARBONS	DOH 310-13	10/01/96	KSA 10/03/96		KMS	
GASOLINE	DOH 310-13	10/01/96	KSA 10/03/96		KMS	< 7 mg/Kg
KEROSENE	DOH 310-13	10/01/96	KSA 10/03/96		KMS	< 7 mg/Kg
FUEL OIL	DOH 310-13	10/01/96	KSA 10/03/96		KMS	< 7 mg/Kg
DIESEL	DOH 310-13	10/01/96	KSA 10/03/96		KMS	< 7 mg/Kg
MOTOR OIL	DOH 310-13	10/01/96	KSA 10/03/96		KMS	< 50 mg/Kg

Note: Analysis performed and reported on mg/Kg wet weight basis.

Approved By

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REPORT OF ANALYSES

ALASKAN OIL  
500 SOLAR STREET  
SYRACUSE, NY 13204-  
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #344-Watertown-Rt 342  
DATE: 10/11/96

SAMPLE NUMBER- 118266 SAMPLE ID- Southeast Quad.  
DATE SAMPLED- 09/20/96  
DATE RECEIVED- 09/23/96 SAMPLER- Robert J. Foresti  
TIME RECEIVED- 0945 DELIVERED BY- Robert Foresti

SAMPLE MATRIX- SO

RECEIVED BY- CAM  
TYPE SAMPLE- Composite

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
AMMONIA AS N	SM17 4500G		09/27/96	1120	JDC	39.8 mg/Kg
NITRATE/NITRITE	EPA 353.3		09/25/96		JDC	31.8 mg/Kg
PH IN WATER	EPA 150.1		09/26/96		JDC	8.84 std units
TOTAL SOLIDS	EPA 160.3		09/26/96		BJC	896000 mg/Kg
TOTAL PETROLEUM HYDROCARBONS	DOH 310-13	10/01/96	KSA 10/03/96		KMS	
GASOLINE	DOH 310-13	10/01/96	KSA 10/03/96		KMS	< 7 mg/Kg
KEROSENE	DOH 310-13	10/01/96	KSA 10/03/96		KMS	< 7 mg/Kg
FUEL OIL	DOH 310-13	10/01/96	KSA 10/03/96		KMS	< 7 mg/Kg
DIESEL	DOH 310-13	10/01/96	KSA 10/03/96		KMS	< 7 mg/Kg
MOTOR OIL	DOH 310-13	10/01/96	KSA 10/03/96		KMS	< 50 mg/Kg

Note: Analysis performed and reported on mg/Kg wet weight basis.

Approved By

NYSDOH ELAP #11246

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REPORT OF ANALYSES

ALASKAN OIL  
500 SOLAR STREET  
SYRACUSE, NY 13204-  
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #344-Watertown-Rt 342  
DATE: 10/11/96

SAMPLE NUMBER- 118267 SAMPLE ID- Southwest Quad.  
DATE SAMPLED- 09/20/96  
DATE RECEIVED- 09/23/96 SAMPLER- Robert J. Foresti  
TIME RECEIVED- 0945 DELIVERED BY- Robert Foresti

SAMPLE MATRIX- SO

RECEIVED BY- CAM  
TYPE SAMPLE- Composite

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT UNITS
		DATE	BY	DATE				
AMMONIA AS N	SM17 4500G			09/27/96	1120	JDC	40.3 mg/Kg	
NITRATE/NITRITE	EPA 353.3			09/25/96		JDC	36.1 mg/Kg	
PH IN WATER	EPA 150.1			09/26/96		JDC	9.04 std units	
TOTAL SOLIDS	EPA 160.3			09/26/96		BJC	908000 mg/Kg	
TOTAL PETROLEUM HYDROCARBONS	DOH 310-13	10/01/96	KSA	10/03/96		KMS		
GASOLINE	DOH 310-13	10/01/96	KSA	10/03/96		KMS	< 7 mg/Kg	
KEROSENE	DOH 310-13	10/01/96	KSA	10/03/96		KMS	< 7 mg/Kg	
FUEL OIL	DOH 310-13	10/01/96	KSA	10/03/96		KMS	< 7 mg/Kg	
DIESEL	DOH 310-13	10/01/96	KSA	10/03/96		KMS	< 7 mg/Kg	
MOTOR OIL	DOH 310-13	10/01/96	KSA	10/03/96		KMS	< 50 mg/Kg	

Note: Analysis performed and reported on mg/Kg wet weight basis.

Approved By

NYSDOH ELAP #11246

CES does warrant that laboratory or field services completed by its employees were conducted in accordance with the environmental services and analytical industries recognized methods or standards. CES does not assume any other liabilities other than re-performance of the work if the completed services were determined to be deficient due to the negligence of CES. CES will not accept any liability in whole or in part as a result of data interpretation by the client.



**Certified  
Environmental  
Services, Inc.**

1401 Erie Blvd. East  
Syracuse, NY 13210  
Phone 315-478-2374  
Fax 315-478-2107

## CHAIN OF CUSTODY RECORD

Company: <u>ALASKAN OIL, INC.</u>		Phone: <u>471-6476 (315)</u>		Analysis								
Address: <u>500 SOLAR STREET</u>		Fax: _____										
<u>SYRACUSE, NY</u>		P.O. #: _____										
Contact Person: <u>ERIC MURDOCK</u>		Project: <u>ROUTE 342 SITE (A13/PEF, #344)</u> <u>AND BRADLEY ST. SITE (A13, #35)</u>										
Sampled By (print): <u>Robert F. ...</u>		(sign) <u>Robert F. ...</u>										
SAMPLE NO.	COLLECTED		CORRECTION P B X	M A I P B X	SAMPLE LOCATION	# OF CONT.						COMMENTS
	DATE	TIME										
118264	9/20/96		X	S	NE Quad. Rt. 342	2	X	X	X			
118265	9/20/96		X	S	NW Quad. Rt. 342	2	X	X	X			
118266	9/20/96		X	S	SE Quad. Rt. 342	2	X	X	X			
118267	9/20/96		X	S	SW Quad. Rt. 342	2	X	X	X			
	9/20/96		X	S	NE Quad. Rt. 342	1				X		
118268	9/20/96		X	S	NE Quad. Bradley St.	2	X	X	X			
118269	9/20/96		X	S	NW Quad. Bradley St.	2	X	X	X			
118270	9/20/96		X	S	SE Quad. Bradley St.	2	X	X	X			
118271	9/20/96		X	S	SW Quad. Bradley St.	2	X	X	X			
	9/20/96		X	S	NE Quad. Bradley St.	1				X		
Relinquished By: <u>Robert F. ...</u>			Date: <u>9/23/96</u>	Time: _____	Received By: _____			Date: _____	Time: _____			
Relinquished By: _____			Date: _____	Time: _____	Received by Lab: <u>Christine McGuire</u>			Date: <u>9/22/96</u>	Time: <u>0945</u>			

11940



## CHAIN OF CUSTODY RECORD

White - CES's Copy • Canary - Return to Client with Report • Pink - Client's Initial Copy



## **Modular Bioremediation Package Biological Testing Summary Report**

Client: Certified Environmental Service  
Sample I.D.: Rt. 342 NE Quad  
Date Sampled: September 20, 1996

### **Total Viable Heterotrophs**

Data showed this material to contain  $1.7 \times 10^6$  CFUs per gram of soil. This is an average concentration of soil bacteria.

### **Contaminant Utilizing Population (CUP) Analysis**

Seven colony forms were identified based on colony morphology. Microbial colonies were further isolated and tested for growth on #2 fuel oil at pH 7.2 and 22°C. Results showed that after 10 days, **none of the isolates** grew on #2 fuel oil.

**Positive Control:** All isolates grew on nutrient agar.

**Negative Control:** None of the isolates grow on agar without a carbon source.

**Saline Control:** Saline was found to be sterile.

WST Modular Bioremediation Report

## Waste Stream Tech

11940



**Certified  
Environmental  
Services, Inc.**

1401 Erie Blvd. East  
Syracuse, NY 13210  
Phone 315-478-2374  
Fax 315-478-2107

<b>Company:</b>		<b>CES</b>	<b>Phone:</b>				<b>Analysis</b>				
<b>Address:</b>				<b>Fax:</b>				<b>Chlorine Count</b> <b>Total Holmium Count</b>  <i>Results due: 2 weeks or sooner, please</i> <b>COMMENTS</b>			
<b>Contact Person:</b>		<b>Eric Murdock</b>		<b>P.O.#:</b>		<b>11940</b>					
<b>Project:</b>											
<b>Sampled By (print):</b>				<b>(sign)</b>							
SAMPLE NO.	COLLECTED DATE	TIME	M A T C G Q R P B X	SAMPLE LOCATION	# OF CONT.						
9/20/96			X S R t . 342 NE Quad.	I	XX						
9/20/96			X S Bradley NE Quad	I	XX						
<b>Relinquished By:</b>		<b>UPS</b>		<b>Date:</b>	<b>9/23/96</b>	<b>Time:</b>	<b>Received By:</b>		<b>Date:</b>	<b>Time:</b>	
<b>Relinquished By:</b>				<b>Date:</b>		<b>Time:</b>	<b>Received by Lab::</b>		<b>Date:</b>	<b>Time:</b>	

*Note: Total 11-95/ks Chlorine & Zr/ks*

White - CES's Copy • Canary - Return to Client with Report • Pink - Client's Initial Copy