CES Certified Environmental Services, Inc.

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

ALASKAN OIL, INC.
ROUTE 13 & CEMETERY STREET
ALTMAR, NEW YORK

SPILL ID #9614774

GROUNDWATER MONITORING SERVICES
4TH QUARTER 1997

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4TH QUARTER 1997

PREPARED FOR:

Alaskan Oil, Inc.
500 Solar Street
Syracuse, New York

&

New York State Department of
Environmental Conservation

PREPARED BY:

Certified Environmental Services, Inc.
1401 Erie Boulevard East
Syracuse, New York

March 11, 1998

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Certified Environmental Services, Inc.

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1.0 INTRODUCTION

On behalf of Alaskan Oil, Inc. (AOI), Certified Environmental Services, Inc. (CES) is pleased to submit this report of groundwater monitoring services associated with the AOI property located at Route 13 & Cemetery Street, Altmar, New York. This report contains groundwater quality data representing the fourth quarter 1997.

During the most recent groundwater sampling event on October 13, 1997, groundwater samples were collected from monitoring wells MW-1 through MW-7 and transported to CES' laboratory for volatile analysis in accordance with United States Environmental Protection Agency (USEPA) Method 8021 and semi-volatile analysis in accordance with USEPA Method 8100. The referenced analytical methodologies are acceptable to the New York State Department of Health (NYSDOH), the New York Department of Environmental Conservation (NYSDEC) and/or the United States Environmental Protection Agency (USEPA).

Results from laboratory analyses conducted on groundwater samples collected from monitoring wells MW-2, MW-3 and MW-7 did not reveal concentrations of petroleum related VOC's or SVOC's which exceed NYSDEC Water Quality Standards and Guidance Values. However, results from laboratory analyses conducted on the groundwater samples collected from MW-1, MW-4, MW-5 and MW-6 during the October 1997 sampling event detected concentrations of contaminants exceeding NYSDEC Water Quality Standards and Guidance Values.

Figure 1 in Appendix A reveals a site map which illustrates the layout of the site including the location of monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6 and MW-7. A groundwater elevation map illustrating the contoured groundwater elevation across the site is provided as Figure 2 in Appendix A. According to the groundwater elevation map, the general direction of groundwater flow is to the west.

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1.0 INTRODUCTION (Cont'd)

Drinking water samples collected on October 13, 1997 from the kitchen sink in the mini-mart and from Lynn's Salmon River Inn were submitted for analysis in accordance with USEPA Method 503.1. Results of laboratory analysis conducted on both of the drinking water samples indicates compliance with NYSDEC Water Quality Standards and Guidance Values. In the event that quarterly groundwater monitoring indicates petroleum compounds in the samples collected from either the on-site drinking water supply well or nearby MW-2, CES will recommend installing an activated carbon water treatment system on the drinking water supply at the mini-mart station. Likewise, if future monitoring detects petroleum compounds or if the direction of groundwater flow shifts towards Lynn's Salmon River Inn drinking water well, CES will recommend installing an activated carbon water treatment system on the water supply.

CES recommends that monitoring wells MW-1 through MW-7 be sampled on a quarterly basis for analyses in accordance with USEPA Methods 8021 and 8100. In addition to developing analytical history files of groundwater quality data, additional monitoring will provide groundwater elevation data indicating fluctuations, if any, in groundwater flow patterns across the site. Based on the results from laboratory analyses which indicate that two of the new wells reveal concentrations of numerous petroleum related compounds which exceed NYSDEC Water Quality Standards and Guidance Values, additional groundwater monitoring wells are needed in the vicinity of MW-5 and MW-6 to delineate the downgradient edge of the plume. CES also recommends collecting drinking water samples from the mini mart's drinking water supply and Lynn's Salmon River Inn on a quarterly basis for analysis in accordance with USEPA Method 503.1.

2.0 GROUNDWATER SAMPLING

On October 13, 1997, CES collected groundwater samples from seven groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6 and MW-7) located at Route 13 & Cemetery Street in Altmar, New York.

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Groundwater Monitoring Well Sampling Procedures

The following procedures were utilized to obtain groundwater samples from monitoring wells MW-1 through MW-7:

1. Prior to the initiation of evacuation activities, each well was visually inspected for signs of damage, tampering or any other unusual observations.

2. Water levels were measured to the nearest 1/100th of a foot using an electronic water level indicator. The measurement was noted on the sample characterization sheet to determine the volume of water in the well. The water level indicator probe and associated cable were cleaned between wells to prevent cross contamination.

3. Water in the well was checked for temperature and pH using portable field instrumentation.

4. After completing initial field measurements, each well was evacuated using dedicated PVC bailers in a manner which created the least turbidity. Approximately three (3) to five (5) well volumes of water was removed from each well, or until the well went dry.

5. The wells were allowed to recharge prior to collecting samples. Field parameters were again checked using the portable field instrumentation. Field instrumentation was calibrated at the beginning of the day and periodically checked and recalibrated in accordance with the manufacturers specifications.

6. Samples were collected in the appropriate bottles along with the required preservatives for the analyses to be performed.

7. Trip blanks and replicate samples were collected and submitted to the laboratory along with the samples.

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2.0 GROUNDWATER SAMPLING (Cont'd)

Groundwater Monitoring Well Sampling Procedures

8. Sample Characterization/Chain-of-Custody forms were completed prior to samples leaving the site.

9. Samples were packed in shipping cartons and placed on ice to keep samples cool during transport to the laboratory. Upon arriving at the laboratory, the samples were signed for by CES' Log-In personnel to maintain the chain of custody. Each sample was assigned an identification number (Log Number) for tracking purposes.

Upon completing sample acquisition efforts, the collected samples were transported to CES' laboratory facility located at 1401 Erie Boulevard East in Syracuse, New York for analyses. CES is certified by the New York State Department of Health (NYSDOH) under the Department's Environmental Laboratory Approval Program (ELAP -Laboratory ID No. 11246).

3.0 LABORATORY ANALYSES

Groundwater samples were analyzed utilizing the following methods:

- USEPA Method 8021 (Volatile Organics)
- USEPA Method 8100 (Semi-Volatile Organics)

The referenced analytical methodology is acceptable to the NYSDOH, the NYSDEC and/or the USEPA.

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4.0 GROUNDWATER MONITORING: RESULTS FROM LABORATORY ANALYSES

The recovered groundwater samples were submitted to CES for laboratory analyses for VOC contaminant concentrations following USEPA Method 8021 and SVOC contaminant concentrations following USEPA Method 8100. Results of laboratory analyses conducted on the groundwater samples collected from monitoring wells MW-2, MW-3 and MW-7 did not indicate the presence of a detectable concentration of VOC or SVOC contaminants for the laboratory parameters and detection limits for which the analyses was conducted therefore indicating compliance with NYSDEC Water Quality Standards and Guidance Values.

Results from the USEPA Method 8021 analyses conducted on the groundwater sample collected from MW-1 on October 13, 1997 detected concentrations of Benzene (1,400 ug/L), Toluene (2,400 ug/L), m/p-Xylene (2,700 ug/L), o-Xylene (1,200 ug/L), 1,3,5-Trimethylbenzene (470 ug/L) and 1,2,4-Trimethylbenzene (1,170 ug/L). These concentrations exceed NYSDEC Water Quality Standards and Guidance Values. According to the NYSDEC Water Quality Standards and Guidance Values, 0.7 ug/L of Benzene, 5 ug/L of Toluene, 5 ug/L of o-Xylene, 5 ug/L of m-Xylene, 5 ug/L of 1,2,4-Trimethylbenzene and 5 ug/L of 1,3,5-Trimethylbenzene are acceptable.

The laboratory results for the sample collected on October 13, 1997 from MW-5 indicate concentrations of Ethylbenzene (75 ug/L), Toluene (9.6 ug/L), o-Xylene (4.7 ug/L), m/p-Xylene (100 ug/L), Isopropylbenzene (6.9 ug/L), n-Propylbenzene (24 ug/L), 1,3,5-Trimethylbenzene (44 ug/L), 1,2,4-Trimethylbenzene (54 ug/L), n-Butylbenzene (24 ug/L) and Naphthalene (15 ug/L) which exceed NYSDEC Water Quality Standards and Guidance Values. The results from laboratory analyses conducted on the groundwater sample collected from MW-6 indicated concentrations of Benzene (16 ug/L), Ethylbenzene (5.2 ug/L) and m/p-Xylene (9.4 ug/L) which exceed NYSDEC Water Quality Standards and Guidance Values.

Results from the USEPA Method 8100 laboratory analyses revealed concentrations of Naphthalene in MW-1 (43 ug/L) and MW-4 (29 ug/L) which exceed NYSDEC Water Quality Standards and Guidance Value of 10 ppb.

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4.0 Groundwater Monitoring: Results from Laboratory Analyses (Cont'd)

In addition, water samples were collected on October 13, 1997 from the kitchen sink of the mini-mart located on-site and from Lynn's Salmon River Inn located north of the site. The water was allowed to run for approximately three minutes prior to sampling. The samples were submitted for laboratory analyses in accordance with USEPA Method 503.1. Results from the laboratory analyses did not indicate the presence of a detectable concentration of contaminants for the laboratory parameters and detection limits for which the analysis was conducted. Therefore the drinking water supply for the mini-mart and Lynn's Salmon River Inn indicate compliance with NYSDEC Water Quality Standards and Guidance Values. The groundwater laboratory analytical data is summarized in Appendix B and the groundwater laboratory analytical reports are included in Appendix C.

5.0 GROUNDWATER ELEVATION DATA

The general direction of groundwater flow has been estimated based on groundwater elevations measured at the monitoring wells on October 13, 1997. Groundwater elevation data suggests a westerly groundwater flow direction. A groundwater contour map representing groundwater elevations measured on October 13, 1997 is illustrated on Figure 2 of Appendix A. A summary of the groundwater elevations has been included as Appendix D.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The 4TH quarter 1997 groundwater monitoring at the Alaskan Oil Route 13 & Cemetery Street gas station in Altmar, New York, indicates petroleum contamination in groundwater monitoring wells MW-1, 4, 5 and MW-6 at the site. Results from the USEPA Method 8021 and USEPA Method 8100 laboratory analyses conducted on the groundwater samples collected from MW-2, MW-3 and MW-7 indicate compliance with NYSDEC Water Quality Standards and Guidance

6.0 CONCLUSIONS AND RECOMMENDATIONS (Cont'd)

Values. Results from the USEPA Method 8100 laboratory analyses conducted on the groundwater samples collected from MW-1 and MW-4 detected concentrations of Naphthalene which exceed NYSDEC Water Quality Standards and Guidance Values. Results from the USEPA Method 8021 analyses conducted on the samples collected from monitoring well MW-1, MW-5 and MW-6 identified numerous compounds at concentrations which exceed NYSDEC Water Quality Standards and Guidance Values.

CES recommends that monitoring wells MW-1 through MW-7 continue to be sampled on a quarterly basis for analyses in accordance with USEPA Methods 8021 and 8100. In addition to developing analytical history files of groundwater quality data, additional monitoring will provide groundwater elevation data indicating fluctuations, if any, in groundwater flow patterns across the site. Based on the results from laboratory analyses which indicate that two of the new wells reveal concentrations of numerous petroleum related compounds which exceed NYSDEC Water Quality Standards and Guidance Values, additional groundwater monitoring wells may be needed in the vicinity of MW-5 and MW-6 to delineate the downgradient edge of the plume. CES also recommends collecting drinking water samples from the mini mart's drinking water supply and Lynn's Salmon River Inn on a quarterly basis for analysis in accordance with USEPA Method 503.1.

In the event that quarterly groundwater monitoring indicates petroleum compounds in the samples collected from either the on-site drinking water well or nearby MW-2, CES will recommend installing an activated carbon water treatment system on the drinking water supply at the station. Likewise, if future monitoring detects petroleum compounds or if the direction of groundwater flow shifts towards Lynn's Salmon River Inn drinking water well, CES will recommend installing an activated carbon water treatment system on the water supply.

Once the subsurface plume has satisfactorily been delineated, CES will conduct a Risk-Based Corrective Action (RBCA) evaluation of the site. The evaluation will include developing site conceptual exposure scenarios (SCES) for the source-pathway-receptor-route combinations through which potential routes of exposure may result. Following the additional installation and sampling of monitoring wells, site soil and groundwater concentrations will be compared to relevant RBCA closure values.

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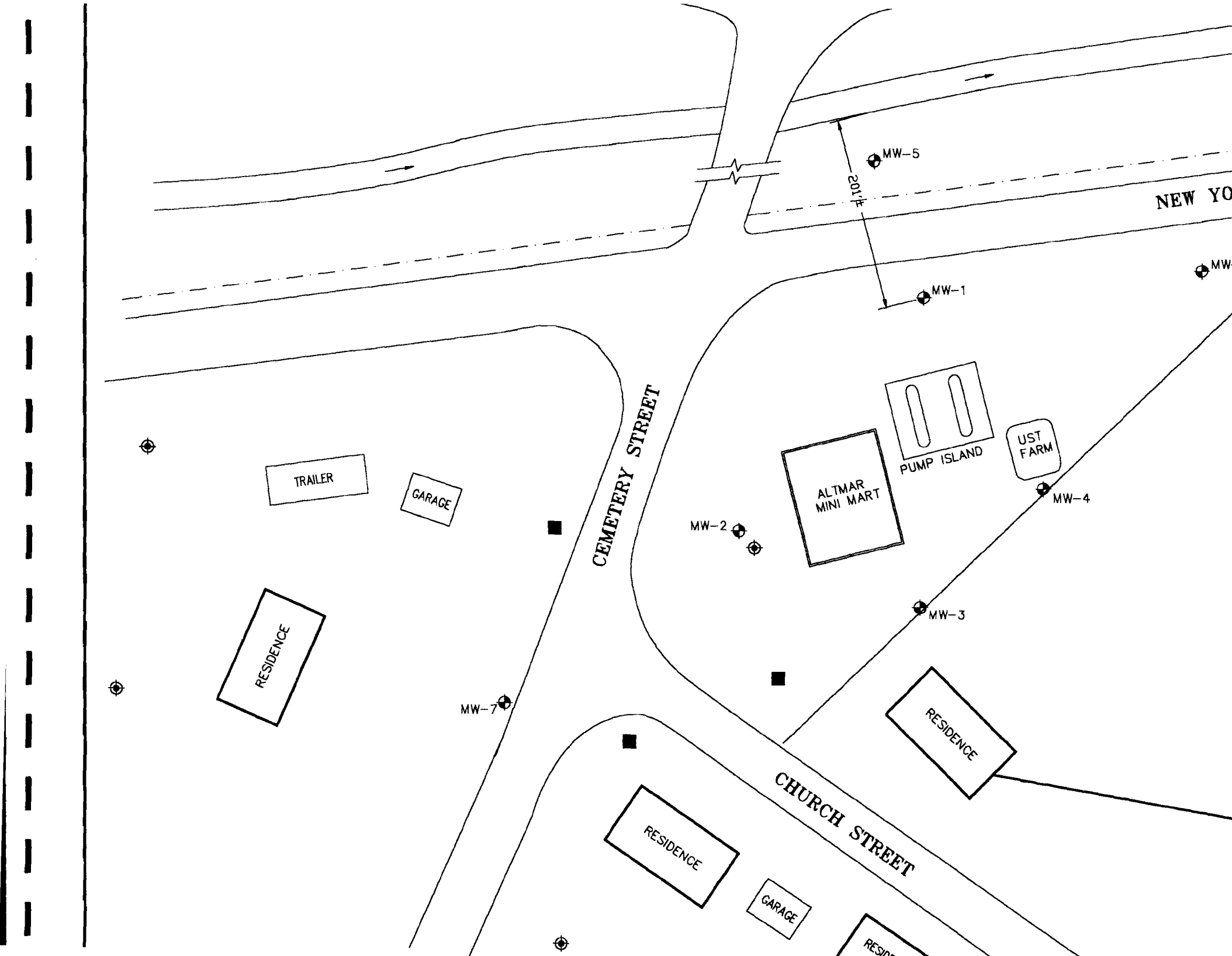
APPENDIX A

Figure 1 - Site Plan
Figure 2 - Groundwater Elevation Map


MW-5
201'±
NEW YO
MW-1
MW-
CEMETERY STREET
TRAILER
GARAGE
ALTMAR
MINI MART
PUMP ISLAND
UST
FARM
MW-2
MW-4
MW-3
RESIDENCE
MW-7
RESIDENCE
CHURCH STREET
RESIDENCE
GARAGE

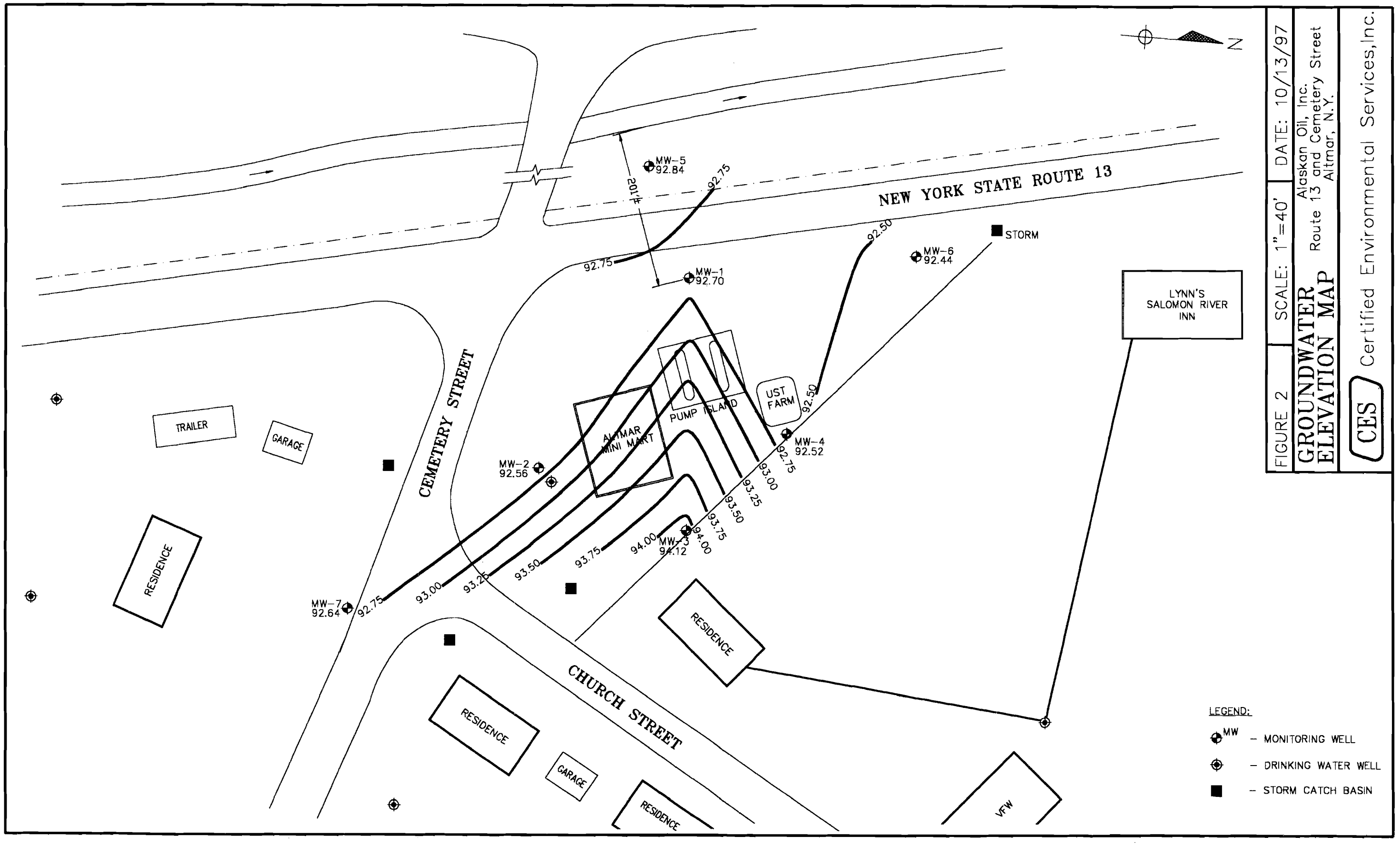


FIGURE 2
GROUNDWATER ELEVATION MAP

Alaskan Oil, Inc.
Route 13 and Cemetery Street
Altmar, N.Y.

SCALE: 1"=40'

DATE: 10/13/97

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APPENDIX B

Analytical History File

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Alaskan Oil, Inc
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Groundwater Analytical Results for MW-1

Method 8021	***STANDARD**	**2nd Quarter 1997**	**3rd Quarter 1997**	**4th Quarter 1997**
		6/04/97	7/25/97	10/13/97
Benzene	0.7 ug/L	16,600 ug/L	18,900 ug/L	1,400 ug/L
Ethylbenzene	5 ug/L	4,300 ug/L	3,400 ug/L	< 250 ug/L
Toluene	5 ug/L	36,700 ug/L	34,500 ug/L	2,400 ug/L
O-Xylene	5 ug/L	7,400 ug/L	6,400 ug/L	1,200 ug/L
M-Xylene	5 ug/L	14,600* ug/L	12,500* ug/L	2,700 * ug/L
P-Xylene	5 ug/L	* ug/L	* ug/L	* ug/L
Isopropylbenzene	5 ug/L	<250 ug/L	<250 ug/L	< 250 ug/L
N-Propylbenzene	5 ug/L	535 ug/L	<250 ug/L	< 250 ug/L
P-Isopropyltoluene	5 ug/L	<250 ug/L	<250 ug/L	< 250 ug/L
1,2,4-Trimethylbenzene	5 ug/L	3,900 ug/L	2,600 ug/L	1,170 ug/L
1,3,5-Trimethylbenzene	5 ug/L	1,450 ug/L	1,100 ug/L	470 ug/L
N-Butylbenzene	5 ug/L	490 ug/L	<250 ug/L	< 250 ug/L
Sec-Butylbenzene	5 ug/L	<250 ug/L	<250 ug/L	< 250 ug/L
Naphthalene	10 ug/L	750 ug/L	1,700 ug/L	< 250 ug/L
Methyl-t-Butyl Ether	50 ug/L	<1,000 ug/L	<1,000 ug/L	< 1,000 ug/L
Method 8100				
Anthracene	50 ug/L	< 50 ug/L	< 5 ug/L	< 10 ug/L
Fluorene	50 ug/L	< 50 ug/L	< 5 ug/L	< 10 ug/L
Phenanthrene	50 ug/L	< 50 ug/L	< 5 ug/L	10 ug/L
Pyrene	50 ug/L	< 50 ug/L	< 5 ug/L	11 ug/L
Acenapthene	20 ug/L	< 50 ug/L	< 5 ug/L	< 10 ug/L
Benzo(a)anthracene	0.002 ug/L	< 50 ug/L	< 5 ug/L	< 10 ug/L
Fluoranthene	50 ug/L	< 50 ug/L	< 5 ug/L	21 ug/L
Benzo(b)fluoranthene	0.002 ug/L	< 50 ug/L	< 5 ug/L	< 10 ug/L
Benzo(k)fluoranthene	0.002 ug/L	< 50 ug/L	< 5 ug/L	< 10 ug/L
Chrysene	0.002 ug/L	< 50 ug/L	< 5 ug/L	< 10 ug/L
Benzo(a)pyrene	0.002 ug/L	< 50 ug/L	< 5 ug/L	< 10 ug/L
Benzo(g,h,i)perylene	0.002 ug/L	< 50 ug/L	< 5 ug/L	< 10 ug/L
Inden0(1,2,3-cd)pyrene	0.002 ug/L	< 50 ug/L	< 5 ug/L	< 10 ug/L
Dibenz(a,h)anthracene	50 ug/L	< 50 ug/L	< 5 ug/L	< 10 ug/L
Naphthalene	10 ug/L	2,380 ug/L	540 ug/L	43 ug/L
Acenaphthylene	20 ug/L	< 50 ug/L	< 5 ug/L	< 10 ug/L

*In accordance with NYSDEC Water Quality Standards and Guidance Values

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Alaskan Oil, Inc
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Groundwater Analytical Results for MW-2

Method 8021	***STANDARD**	**2nd Quarter 1997**	**3rd Quarter 1997**	**4th Quarter 1997**
		6/04/97	7/25/97	10/13/97
Benzene	0.7 ug/L	< 0.7 ug/L	< 0.7 ug/L	< 0.7 ug/L
Ethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Toluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
O-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
M-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Isopropylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Propylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Isopropyltoluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,2,4-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,3,5-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Sec-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Naphthalene	10 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Methyl-t-Butyl Ether	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Method 8100				
Anthracene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Fluorene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Phenanthrene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Pyrene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Acenapthene	20 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(a)anthracene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Fluoranthene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(b)fluoranthene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(k)fluoranthene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Chrysene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(a)pyrene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(g,h,i)perylene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Inden0(1,2,3-cd)pyrene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Dibenz(a,h)anthracene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Naphthalene	10 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Acenaphthylene	20 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L

*In accordance with NYSDEC Water Quality Standards and Guidance Values

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Alaskan Oil, Inc
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Groundwater Analytical Results for MW-3

Method 8021	***STANDARD**	**2nd Quarter 1997**	**3rd Quarter 1997**	**4th Quarter 1997**
		6/04/97	7/25/97	10/13/97
Benzene	0.7 ug/L	< 0.7 ug/L	< 0.7 ug/L	< 0.7 ug/L
Ethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Toluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
O-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
M-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Isopropylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Propylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Isopropyltoluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,2,4-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,3,5-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Sec-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Naphthalene	10 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Methyl-t-Butyl Ether	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Method 8100				
Anthracene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Fluorene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Phenanthrene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Pyrene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Acenapthene	20 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(a)anthracene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Fluoranthene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(b)fluoranthene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(k)fluoranthene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Chrysene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(a)pyrene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(g,h,i)perylene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Inden0(1,2,3-cd)pyrene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Dibenz(a,h)anthracene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Naphthalene	10 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Acenaphthylene	20 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L

*In accordance with NYSDEC Water Quality Standards and Guidance Values

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Alaskan Oil, Inc
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Groundwater Analytical Results for MW-4

Method 8021	***STANDARD**	**2nd Quarter 1997**	**3rd Quarter 1997**	**4th Quarter 1997**
		6/04/97	7/25/97	10/13/97
Benzene	0.7 ug/L	< 0.7 ug/L	< 0.7 ug/L	< 0.7 ug/L
Ethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Toluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
O-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
M-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Isopropylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Propylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Isopropyltoluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,2,4-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,3,5-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Sec-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Naphthalene	10 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Methyl-t-Butyl Ether	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Method 8100				
Anthracene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Fluorene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Phenanthrene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Pyrene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Acenapthene	20 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(a)anthracene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Fluoranthene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(b)fluoranthene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(k)fluoranthene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Chrysene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(a)pyrene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(g,h,i)perylene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Inden0(1,2,3-cd)pyrene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Dibenz(a,h)anthracene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Naphthalene	10 ug/L	< 5.0 ug/L	< 5.0 ug/L	29 ug/L
Acenaphthylene	20 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L

*In accordance with NYSDEC Water Quality Standards and Guidance Values

CES

Alaskan Oil, Inc
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Groundwater Analytical Results for MW-5

Method 8021	***STANDARD**	**3rd Quarter 1997**	**4th Quarter 1997**
		7/25/97	10/13/97
Benzene	0.7 ug/L	4.9 ug/L	< 0.7 ug/L
Ethylbenzene	5 ug/L	88 ug/L	75 ug/L
Toluene	5 ug/L	55 ug/L	9.6 ug/L
O-Xylene	5 ug/L	27 ug/L	4.7 ug/L
M-Xylene	5 ug/L	260* ug/L	100 * ug/L
P-Xylene	5 ug/L	* ug/L	* ug/L
Isopropylbenzene	5 ug/L	6 ug/L	6.9 ug/L
N-Propylbenzene	5 ug/L	20 ug/L	24 ug/L
P-Isopropyltoluene	5 ug/L	< 5.0 ug/L	< 1.0 ug/L
1,2,4-Trimethylbenzene	5 ug/L	120 ug/L	54 ug/L
1,3,5-Trimethylbenzene	5 ug/L	56 ug/L	44 ug/L
N-Butylbenzene	5 ug/L	19 ug/L	24 ug/L
Sec-Butylbenzene	5 ug/L	< 5.0 ug/L	< 1.0 ug/L
Naphthalene	10 ug/L	22 ug/L	15 ug/L
Methyl-t-Butyl Ether	50 ug/L	< 5.0 ug/L	< 5.0 ug/L
Method 8100			
Anthracene	50 ug/L	< 5 ug/L	< 5 ug/L
Fluorene	50 ug/L	< 5 ug/L	< 5 ug/L
Phenanthrene	50 ug/L	< 5 ug/L	< 5 ug/L
Pyrene	50 ug/L	< 5 ug/L	< 5 ug/L
Acenapthene	20 ug/L	< 5 ug/L	< 5 ug/L
Benzo(a)anthracene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Fluoranthene	50 ug/L	< 5 ug/L	< 5 ug/L
Benzo(b)fluoranthene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Benzo(k)fluoranthene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Chrysene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Benzo(a)pyrene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Benzo(g,h,i)perylene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Inden0(1,2,3-cd)pyrene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Dibenz(a,h)anthracene	50 ug/L	< 5 ug/L	< 5 ug/L
Naphthalene	10 ug/L	< 5 ug/L	5.7 ug/L
Acenaphthylene	20 ug/L	< 5 ug/L	< 5 ug/L

*In accordance with NYSDEC Water Quality Standards and Guidance Values

CES

Alaskan Oil, Inc
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Groundwater Analytical Results for MW-6

Method 8021	***STANDARD**	**3rd Quarter 1997**	**4th Quarter 1997**
		7/25/97	10/13/97
Benzene	0.7 ug/L	1,900 ug/L	16 ug/L
Ethylbenzene	5 ug/L	97 ug/L	5.2 ug/L
Toluene	5 ug/L	240 ug/L	1.4 ug/L
O-Xylene	5 ug/L	150 ug/L	3.5 ug/L
M-Xylene	5 ug/L	807* ug/L	9.4 * ug/L
P-Xylene	5 ug/L	* ug/L	* ug/L
Isopropylbenzene	5 ug/L	< 25 ug/L	< 1.0 ug/L
N-Propylbenzene	5 ug/L	42 ug/L	< 1.0 ug/L
P-Isopropyltoluene	5 ug/L	< 25 ug/L	< 1.0 ug/L
1,2,4-Trimethylbenzene	5 ug/L	240 ug/L	3.7 ug/L
1,3,5-Trimethylbenzene	5 ug/L	97 ug/L	1.7 ug/L
N-Butylbenzene	5 ug/L	< 25 ug/L	< 1.0 ug/L
Sec-Butylbenzene	5 ug/L	< 25 ug/L	< 1.0 ug/L
Naphthalene	10 ug/L	103 ug/L	< 5.0 ug/L
Methyl-t-Butyl Ether	50 ug/L	< 100 ug/L	< 5.0 ug/L
Method 8100			
Anthracene	50 ug/L	< 5 ug/L	< 5 ug/L
Fluorene	50 ug/L	< 5 ug/L	< 5 ug/L
Phenanthrene	50 ug/L	< 5 ug/L	< 5 ug/L
Pyrene	50 ug/L	< 5 ug/L	< 5 ug/L
Acenapthene	20 ug/L	< 5 ug/L	< 5 ug/L
Benzo(a)anthracene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Fluoranthene	50 ug/L	< 5 ug/L	< 5 ug/L
Benzo(b)fluoranthene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Benzo(k)fluoranthene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Chrysene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Benzo(a)pyrene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Benzo(g,h,i)perylene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Inden0(1,2,3-cd)pyrene	0.002 ug/L	< 5 ug/L	< 5 ug/L
Dibenz(a,h)anthracene	50 ug/L	< 5 ug/L	< 5 ug/L
Naphthalene	10 ug/L	48 ug/L	< 5 ug/L
Acenaphthylene	20 ug/L	< 5 ug/L	< 5 ug/L

*In accordance with NYSDEC Water Quality Standards and Guidance Values

CES

Alaskan Oil, Inc
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Groundwater Analytical Results for MW-7

Method 8021	***STANDARD**	**3rd Quarter 1997**	**4th Quarter 1997**
		7/25/97	10/13/97
Benzene	0.7 ug/L	< 0.7 ug/L	< 0.7 ug/L
Ethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L
Toluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L
O-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L
M-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L
Isopropylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Propylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Isopropyltoluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,2,4-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,3,5-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L
Sec-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L
Naphthalene	10 ug/L	< 5.0 ug/L	< 5.0 ug/L
Methyl-t-Butyl Ether	50 ug/L	< 5.0 ug/L	< 5.0 ug/L
Method 8100			
Anthracene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L
Fluorene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L
Phenanthrene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L
Pyrene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L
Acenapthene	20 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(a)anthracene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L
Fluoranthene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(b)fluoranthene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(k)fluoranthene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L
Chrysene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(a)pyrene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L
Benzo(g,h,i)perylene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L
Inden0(1,2,3-cd)pyrene	0.002 ug/L	< 5.0 ug/L	< 5.0 ug/L
Dibenz(a,h)anthracene	50 ug/L	< 5.0 ug/L	< 5.0 ug/L
Naphthalene	10 ug/L	< 5.0 ug/L	< 5.0 ug/L
Acenaphthylene	20 ug/L	< 5.0 ug/L	< 5.0 ug/L

*In accordance with NYSDEC Water Quality Standards and Guidance Values

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APPENDIX C

Results from Laboratory Analyses
4TH Quarter 1997 Sampling Event - October 13, 1997

CES Certified Environmental Services, Inc.

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

REPORT OF ANALYSES

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

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 11/06/97

SAMPLE NUMBER- 145601 SAMPLE ID- MW-1 SAMPLE MATRIX- WA
DATE SAMPLED- 10/13/97 TIME SAMPLED- 1515
DATE RECEIVED- 10/14/97 SAMPLER- K. R. Rowe/P. Conley RECEIVED BY- CAM
TIME RECEIVED- 0830 DELIVERED BY- Kevin R. Rowe TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			10/27/97		BLD		
Benzene	EPA 8021			10/27/97		BLD	1400	ug/L
Toluene	EPA 8021			10/27/97		BLD	2400	ug/L
Ethylbenzene	EPA 8021			10/27/97		BLD	< 250	ug/L
m-Xylene & p-Xylene	EPA 8021			10/27/97		BLD	2700	ug/L
o-Xylene	EPA 8021			10/27/97		BLD	1200	ug/L
Isopropylbenzene	EPA 8021			10/27/97		BLD	< 250	ug/L
n-Propylbenzene	EPA 8021			10/27/97		BLD	< 250	ug/L
1,3,5-Trimethylbenzene	EPA 8021			10/27/97		BLD	470	ug/L
tert-Butylbenzene	EPA 8021			10/27/97		BLD	< 250	ug/L
1,2,4-Trimethylbenzene	EPA 8021			10/27/97		BLD	1170	ug/L
sec-Butylbenzene	EPA 8021			10/27/97		BLD	< 250	ug/L
p-Isopropyltoluene	EPA 8021			10/27/97		BLD	< 250	ug/L
n-Butylbenzene	EPA 8021			10/27/97		BLD	< 250	ug/L
Naphthalene	EPA 8021			10/27/97		BLD	< 250	ug/L
Methyl-t-Butyl Ether	EPA 8021			10/27/97		BLD	< 1000	ug/L
EPA 8100 Scan	EPA 8100	10/15/97	KSH	10/28/97		KMS		
Naphthalene	EPA 8100	10/15/97	KSH	10/28/97		KMS	43	ug/L
Acenaphthylene	EPA 8100	10/15/97	KSH	10/28/97		KMS	< 10	ug/L
Acenaphthene	EPA 8100	10/15/97	KSH	10/28/97		KMS	< 10	ug/L
Fluorene	EPA 8100	10/15/97	KSH	10/28/97		KMS	< 10	ug/L

CES Certified Environmental Services, Inc.

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Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

CONTINUATION OF DATA FOR SAMPLE NUMBER 145601

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	10/15/97	KSH	10/28/97		KMS	10	ug/L
Anthracene	EPA 8100	10/15/97	KSH	10/28/97		KMS	< 10	ug/L
Fluoranthene	EPA 8100	10/15/97	KSH	10/28/97		KMS	21	ug/L
Pyrene	EPA 8100	10/15/97	KSH	10/28/97		KMS	11	ug/L
Benzo(a)Anthracene	EPA 8100	10/15/97	KSH	10/28/97		KMS	< 10	ug/L
Chrysene	EPA 8100	10/15/97	KSH	10/28/97		KMS	< 10	ug/L
Benzo(b)Fluoranthene	EPA 8100	10/15/97	KSH	10/28/97		KMS	< 10	ug/L
Benzo(k)Fluoranthene	EPA 8100	10/15/97	KSH	10/28/97		KMS	< 10	ug/L
Benzo(a)Pyrene	EPA 8100	10/15/97	KSH	10/28/97		KMS	< 10	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	10/15/97	KSH	10/28/97		KMS	< 10	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	10/15/97	KSH	10/28/97		KMS	< 10	ug/L
Benzo(ghi)Perylene	EPA 8100	10/15/97	KSH	10/28/97		KMS	< 10	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY: _____

CES
Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: ALASKAN OIL INC. LOG NO. 14560 1
CONTACT: Richard Neugebauer WELL NO. MW-1
LOCATION: ACI/PEF #326 ALTMAR NY WELL TYPE/SIZE: 2" PVC

WELL PURGING & SAMPLING: Date: 10/13/97 Purge Start Time: 13:00 Purge End Time: 13:05

Total Well Depth 12.02' # Well Volumes Purged 2 Color DK Brn/DK Brn/DK Brn
Depth to Water 6.07 Total Volume Purged Purged dry @ 2 gal Turbidity H / H / H
Well Volume .95 Final Depth to Water STATIC Odor Petro
Purge Method Bailer SAMPLE COLLECTED: Time 15:15 Date 10-13-97

WEATHER CONDITIONS: Sunny Temp. 75° Wind 8 mph

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	~	@ 4.0 Std = 4.0	~	14°C
Intermediate Reading	~	@ 7.0 Std = 7.1	~	Redox
Final Reading	6.5	@ 10.0 Std = 10.0	~	~

SAMPLE PRESERVATION:
Date 10-13-97 Time 15:15 By K. Rowe / P. Conley

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☒ Cooled to 4° C
☐ Other (Identify) _____
Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☐ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder		☐ Pint Jar (Glass w/Teflon Liner	
☐ ½ Gallon (Plastic)		☐ Other	

PARAMETERS: ☐ See Attached Proposal/List

NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: Quarterly sampling Petro odor w/ sheen

Collected By Kenneth R. Rowe / Paul Conley Date 10/13/97
Delivered By Kenneth R. Rowe Date 10/14/97 Time 0830
Received By Christine Miguel Date 10/14/97 Time 0830

CES Certified Environmental Services, Inc.

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

REPORT OF ANALYSES

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

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 11/06/97

SAMPLE NUMBER- 145602 SAMPLE ID- MW-2 SAMPLE MATRIX- WA
DATE SAMPLED- 10/13/97 TIME SAMPLED- 1530
DATE RECEIVED- 10/14/97 SAMPLER- K. R. Rowe/P. Conley RECEIVED BY- CAM
TIME RECEIVED- 0830 DELIVERED BY- Kevin R. Rowe TYPE SAMPLE- Grab

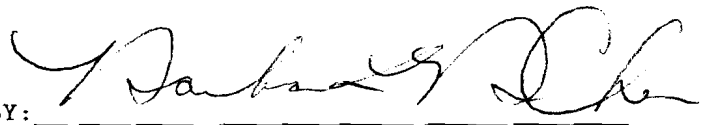
ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			10/27/97		BLD		
Benzene	EPA 8021			10/27/97		BLD	< 0.7	ug/L
Toluene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
Ethylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
o-Xylene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
Naphthalene	EPA 8021			10/27/97		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021			10/27/97		BLD	< 5.0	ug/L
EPA 8100 Scan	EPA 8100	10/15/97	KSH	10/23/97		KMS		
Naphthalene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Acenaphthylene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Acenaphthene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Fluorene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L

CES Certified Environmental Services, Inc.

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

CONTINUATION OF DATA FOR SAMPLE NUMBER 145602

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Anthracene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Fluoranthene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Pyrene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Chrysene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	10/15/97	KSH	10/23/97		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY: 

CES
Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: ALASKAN OIL INC. LOG NO. 145602
CONTACT: Richard Neugebauer WELL NO. MW-2
LOCATION: ACI/PEF #326 ALTMAR NY WELL TYPE/SIZE: 2" PVC

WELL PURGING & SAMPLING: Date: 10/13/97 Purge Start Time: 13:17 Purge End Time: 13:25

Total Well Depth 10.86' # Well Volumes Purged 4 Color Light rust / rust
Depth to Water 6.03' Total Volume Purged 3 gal Turbidity M / H / H
Well Volume .77 Final Depth to Water STATIC Odor None
Purge Method Bailer SAMPLE COLLECTED: Time 15:30 Date 10-13-97

WEATHER CONDITIONS: Sunny Temp 75° Wind 8 mph

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	~~~	@ 4.0 Std = 4.0	~~~	15°C
Intermediate Reading	~~~	@ 7.0 Std = 7.1	~~~	Redox
Final Reading	6.6	@ 10.0 Std = 10.0	~~~	~~~

SAMPLE PRESERVATION:
Date 10-13-97 Time 15:30 By K. Rowe / P. Conley

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☒ Cooled to 4° C
☐ Other (Identify) _____
Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☐ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder		☐ Pint Jar (Glass w/Teflon Liner	
☐ ½ Gallon (Plastic)		☐ Other	

PARAMETERS: ☐ See Attached Proposal/List

NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☒ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: Quarterly Sampling

Collected By Kerry R. Rowe / Paul Conley Date 10-13-97
Delivered By Kerry R. Rowe Date 10-14-97 Time 0830
Received By Kristen Mygiel Date 10/14/97 Time 0830

CES Certified Environmental Services, Inc.

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

REPORT OF ANALYSES

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

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 11/06/97

SAMPLE NUMBER- 145603 SAMPLE ID- MW-3 SAMPLE MATRIX- WA
DATE SAMPLED- 10/13/97 TIME SAMPLED- 1545
DATE RECEIVED- 10/14/97 SAMPLER- K. R. Rowe/P. Conley RECEIVED BY- CAM
TIME RECEIVED- 0830 DELIVERED BY- Kevin R. Rowe TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			10/27/97		BLD		
Benzene	EPA 8021			10/27/97		BLD	< 0.7	ug/L
Toluene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
Ethylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
o-Xylene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
Naphthalene	EPA 8021			10/27/97		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021			10/27/97		BLD	< 5.0	ug/L
EPA 8100 Scan	EPA 8100	10/20/97	KSH	10/28/97		KMS		
Naphthalene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Acenaphthylene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Acenaphthene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Fluorene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L

CES Certified Environmental Services, Inc.

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

CONTINUATION OF DATA FOR SAMPLE NUMBER 145603

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Anthracene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Fluoranthene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Pyrene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Chrysene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY: _____

CES
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MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: ALASKAN OIL INC. LOG NO. 145603
CONTACT: Richard Neugebauer WELL NO. MW-3
LOCATION: ACI/PEF #326 ALTMAR NY WELL TYPE/SIZE: 2" PVC

WELL PURGING & SAMPLING: Date: 10/13/97 Purge Start Time: 13:30 Purge End Time: 13:43

Total Well Depth	12.17'	# Well Volumes Purged	4	Color	CLEAR / CLEAR / CLEAR
Depth to Water	4.72'	Total Volume Purged	5 gal.	Turbidity	MIN / MIN
Well Volume	1.19	Final Depth to Water	STATIC	Odor	None
Purge Method	Bailer	SAMPLE COLLECTED: Time	15:45	Date	10-13-97

WEATHER CONDITIONS: Sunny Temp. 75° Wind 8 mph

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	~~~	@ 4.0 Std = 4.0	~~~	14.5°C
Intermediate Reading	~~~	@ 7.0 Std = 7.1	~~~	Redox
Final Reading	6.8	@ 10.0 Std = 10.0	~~~	~~~

SAMPLE PRESERVATION:
Date 10-13-97 Time 15:45 By K. Rowe / P. Conley
Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☒ Cooled to 4° C
☐ Other (Identify)
Was Sample Filtered? ☒ No ☐ Yes Date: Time:

SAMPLE CONTAINERS & QUANTITIES:

☒ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder		☐ Pint Jar (Glass w/Teflon Liner	
☐ ½ Gallon (Plastic)		☐ Other	

PARAMETERS: ☐ See Attached Proposal/List

NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: Quarterly Sampling

Collected By Kenny R. Rowe / Paul Conley Date 10-13-97
Delivered By Kenny R Rowe Date 10-14-97 Time 0830
Received By Christine Miguel Date 10/14/97 Time 0830

CES Certified Environmental Services, Inc.

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Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

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

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 11/06/97

SAMPLE NUMBER- 145604 SAMPLE ID- MW-4 SAMPLE MATRIX- WA
DATE SAMPLED- 10/13/97 TIME SAMPLED- 1600
DATE RECEIVED- 10/14/97 SAMPLER- K. R. Rowe/P. Conley RECEIVED BY- CAM
TIME RECEIVED- 0830 DELIVERED BY- Kevin R. Rowe TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			10/27/97		BLD		
Benzene	EPA 8021			10/27/97		BLD	< 0.7	ug/L
Toluene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
Ethylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
o-Xylene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
Naphthalene	EPA 8021			10/27/97		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021			10/27/97		BLD	< 5.0	ug/L
EPA 8100 Scan	EPA 8100	10/20/97	KSH	10/23/97		KMS		
Naphthalene	EPA 8100	10/20/97	KSH	10/23/97		KMS	29	ug/L
Acenaphthylene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Acenaphthene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Fluorene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L

CES Certified Environmental Services, Inc.

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Phone 315-478-2374
Fax 315-478-2107

CONTINUATION OF DATA FOR SAMPLE NUMBER 145604

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Anthracene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Fluoranthene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Pyrene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Chrysene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY:

CES — Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: ALASKAN OIL INC. LOG NO. 145604
CONTACT: Richard Neugebauer WELL NO. MW-4
LOCATION: ACI/PEF #326 ALTMAR NY WELL TYPE/SIZE: 2" PVC

WELL PURGING & SAMPLING: Date: 10/13/97 Purge Start Time: 13:45 Purge End Time: 13:50

Total Well Depth 11.12'	# Well Volumes Purged 3	Color lt-brn brn / brn
Depth to Water 6.61'	Total Volume Purged Purged dry @ 2 gal.	Turbidity MIH IH
Well Volume .72	Final Depth to Water Static	Odor None
Purge Method Bailer	SAMPLE COLLECTED: Time 16:00	Date 10-13-97

WEATHER CONDITIONS: Sunny Temp 75° Wind 8 mph

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	~~~	@ 4.0 Std = 4.0	~~~	13.5°C
Intermediate Reading	~~~	@ 7.0 Std = 7.1	~~~	Redox
Final Reading	6.7	@ 10.0 Std = 10.0	~~~	~~~

SAMPLE PRESERVATION:
Date 10-13-97 Time 16:00 By K. Rowe / P. Conley

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☒ Cooled to 4° C
☐ Other (Identify) _____
Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☐ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder		☐ Pint Jar (Glass w/Teflon Liner	
☐ ½ Gallon (Plastic)		☐ Other	

PARAMETERS: ☐ See Attached Proposal/List

NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: Quarterly Sampling

Collected By Kevin R. Rowe / Paul Conley Date 10-13-97
Delivered By Kevin R. Rowe Date 10-14-97 Time 0830
Received By Christine Miguel Date 10/14/97 Time 0830

CES Certified Environmental Services, Inc.

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

REPORT OF ANALYSES

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

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 11/06/97

SAMPLE NUMBER- 145605 SAMPLE ID- MW-5 SAMPLE MATRIX- WA
DATE SAMPLED- 10/13/97 TIME SAMPLED- 1530
DATE RECEIVED- 10/14/97 SAMPLER- K. R. Rowe/P. Conley RECEIVED BY- CAM
TIME RECEIVED- 0830 DELIVERED BY- Kevin R. Rowe TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			10/27/97		BLD		
Benzene	EPA 8021			10/27/97		BLD	< 0.7	ug/L
Toluene	EPA 8021			10/27/97		BLD	9.6	ug/L
Ethylbenzene	EPA 8021			10/27/97		BLD	75	ug/L
m-Xylene & p-Xylene	EPA 8021			10/27/97		BLD	100	ug/L
o-Xylene	EPA 8021			10/27/97		BLD	4.7	ug/L
Isopropylbenzene	EPA 8021			10/27/97		BLD	6.9	ug/L
n-Propylbenzene	EPA 8021			10/27/97		BLD	24	ug/L
1,3,5-Trimethylbenzene	EPA 8021			10/27/97		BLD	44	ug/L
tert-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021			10/27/97		BLD	54	ug/L
sec-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021			10/27/97		BLD	24	ug/L
Naphthalene	EPA 8021			10/27/97		BLD	15	ug/L
Methyl-t-Butyl Ether	EPA 8021			10/27/97		BLD	< 5.0	ug/L
EPA 8100 Scan	EPA 8100	10/20/97	KSH	10/28/97		KMS		
Naphthalene	EPA 8100	10/20/97	KSH	10/28/97		KMS	5.7	ug/L
Acenaphthylene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Acenaphthene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Fluorene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L

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Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

CONTINUATION OF DATA FOR SAMPLE NUMBER 145605

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Anthracene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Fluoranthene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Pyrene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Chrysene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY:

CES
Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: ALASKAN OIL INC. LOG NO. 145605
CONTACT: Richard Neugebauer WELL NO. MW-5
LOCATION: ACI/PEF #326 ALTMAR NY WELL TYPE/SIZE: 2" PVC

WELL PURGING & SAMPLING: Date: 10/13/97 Purge Start Time: 13:08 Purge End Time: 13:18

Total Well Depth	14.73'	# Well Volumes Purged	4	Color	DK Brn / DK Brn / DK Brn
Depth to Water	6.70'	Total Volume Purged	5 gal	Turbidity	H / H / H
Well Volume	1.28	Final Depth to Water	Static	Odor	Septic (organic)
Purge Method	Bailer	SAMPLE COLLECTED: Time	15:30	Date	10-13-97

WEATHER CONDITIONS: Sunny Temp. 75° Wind 8 mph

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	~~~	@ 4.0 Std = 4.0	~~~	12°C
Intermediate Reading	~~~	@ 7.0 Std = 7.1	~~~	Redox
Final Reading	6.2	@ 10.0 Std = 10.0	~~~	~~~

SAMPLE PRESERVATION:
Date 10-13-97 Time 15:30 By K. Rowe / Paul Conley

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☒ Cooled to 4° C
☐ Other (Identify) _____
Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☐ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder		☐ Pint Jar (Glass w/Teflon Liner	
☐ ½ Gallon (Plastic)		☐ Other	

PARAMETERS: ☐ See Attached Proposal/List

NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: Quarterly Sampling Septic (organic) odor

Collected By Kenneth R. Rowe / Paul Conley Date 10-13-97
Delivered By Kenneth R. Rowe Date 10-14-97 Time 0830
Received By Christine Miguel Date 10/14/97 Time 0830

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
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Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

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

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 11/06/97

SAMPLE NUMBER- 145606 SAMPLE ID- MW-6 SAMPLE MATRIX- WA
DATE SAMPLED- 10/13/97 TIME SAMPLED- 1545
DATE RECEIVED- 10/14/97 SAMPLER- K. R. Rowe/P. Conley RECEIVED BY- CAM
TIME RECEIVED- 0830 DELIVERED BY- Kevin R. Rowe TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			10/27/97		BLD		
Benzene	EPA 8021			10/27/97		BLD	16	ug/L
Toluene	EPA 8021			10/27/97		BLD	1.4	ug/L
Ethylbenzene	EPA 8021			10/27/97		BLD	5.2	ug/L
m-Xylene & p-Xylene	EPA 8021			10/27/97		BLD	9.4	ug/L
o-Xylene	EPA 8021			10/27/97		BLD	3.5	ug/L
Isopropylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021			10/27/97		BLD	1.7	ug/L
tert-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021			10/27/97		BLD	3.7	ug/L
sec-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
Naphthalene	EPA 8021			10/27/97		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021			10/27/97		BLD	< 5.0	ug/L
EPA 8100 Scan	EPA 8100	10/20/97	KSH	10/23/97		KMS		
Naphthalene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Acenaphthylene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Acenaphthene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Fluorene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L

CES Certified Environmental Services, Inc.

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

CONTINUATION OF DATA FOR SAMPLE NUMBER 145606

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Anthracene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Fluoranthene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Pyrene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Chrysene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	10/20/97	KSH	10/23/97		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY:

CES
Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: ALASKAN OIL INC. LOG NO. 145606
CONTACT: Richard Neugebauer WELL NO. mw-6
LOCATION: AGI/PEF #326 ALTMAR NY WELL TYPE/SIZE: 2" PVC

WELL PURGING & SAMPLING: Date: 10/13/97 Purge Start Time: 13:22 Purge End Time: 13:35

Total Well Depth	14.60'	# Well Volumes Purged	4	Color	LT Brn / LT Brn / Brn
Depth to Water	5.86'	Total Volume Purged	6 gal.	Turbidity	M / M / H
Well Volume	1.39	Final Depth to Water	static	Odor	None
Purge Method	Bailer	SAMPLE COLLECTED: Time	15:45	Date	10-13-97

WEATHER CONDITIONS: Sunny Temp. 75° Wind 8 mph

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	~~~	@ 4.0 Std = 4.0	~~~	15°C
Intermediate Reading	~~~	@ 7.0 Std = 7.1	~~~	Redox
Final Reading	6.5	@ 10.0 Std = 10.0	~~~	~~~

SAMPLE PRESERVATION:
Date 10-13-97 Time 15:45 By K. Rowe / P. Conley

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☒ Cooled to 4° C
☐ Other (Identify) _____
Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☐ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder		☐ Pint Jar (Glass w/Teflon Liner	
☐ ½ Gallon (Plastic)		☐ Other	

PARAMETERS: ☐ See Attached Proposal/List

NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☒ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: Quarterly Sampling

Collected By Kenneth R. Rowe / Paul Conley Date 10-13-97
Delivered By Kenneth R. Rowe Date 10-14-97 Time 0830
Received By Christine Maguire Date 10/14/97 Time 0830

CES Certified Environmental Services, Inc.

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

REPORT OF ANALYSES

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

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 11/06/97

SAMPLE NUMBER- 145607 SAMPLE ID- MW-7 SAMPLE MATRIX- WA
DATE SAMPLED- 10/13/97 TIME SAMPLED- 1515
DATE RECEIVED- 10/14/97 SAMPLER- K. R. Rowe/P. Conley RECEIVED BY- CAM
TIME RECEIVED- 0830 DELIVERED BY- Kevin R. Rowe TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			10/27/97		BLD		
Benzene	EPA 8021			10/27/97		BLD	< 0.7	ug/L
Toluene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
Ethylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
o-Xylene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021			10/27/97		BLD	< 1.0	ug/L
Naphthalene	EPA 8021			10/27/97		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021			10/27/97		BLD	< 5.0	ug/L
EPA 8100 Scan	EPA 8100	10/20/97	KSH	10/28/97		KMS		
Naphthalene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Acenaphthylene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Acenaphthene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Fluorene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L

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Fax 315-478-2107

CONTINUATION OF DATA FOR SAMPLE NUMBER 145607

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Anthracene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Fluoranthene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Pyrene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Chrysene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	10/20/97	KSH	10/28/97		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY: _____

CES

Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: ALASKAN OIL INC. LOG NO. 145607

CONTACT: Richard Neugebauer WELL NO. mw-7

LOCATION: ACI/PEF #326 ALTMAR NY WELL TYPE/SIZE: 2" PVC

WELL PURGING & SAMPLING: Date: 10/13/97 Purge Start Time: 13:00 Purge End Time: 13:13

Total Well Depth 12.60' # Well Volumes Purged 4 Color clr lt. brn lt. brn

Depth to Water 5.69' Total Volume Purged 6 gal Turbidity L / M / M

Well Volume 1.10 Final Depth to Water STATIC Odor None

Purge Method Bailer SAMPLE COLLECTED: Time 15:15 Date 10-13-97

WEATHER CONDITIONS: Sunny Temp 75° Wind 8 mph

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	~~~	@ 4.0 Std = 4.0	~~~	11.5°C
Intermediate Reading	~~~	@ 7.0 Std = 7.1	~~~	Redox
Final Reading	6.9	@ 10.0 Std = 10.0	~~~	~~~

SAMPLE PRESERVATION:

Date 10-13-97 Time 15:15 By K. Rowe / P. Conley

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☒ Cooled to 4° C

☐ Other (Identify) _____

Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☐ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	*3
☐ 500 ml Plastic Cylinder	___	☐ Pint Jar (Glass w/Teflon Liner	___
☐ ½ Gallon (Plastic)	___	☐ Other _____	

PARAMETERS: ☐ See Attached Proposal/List

NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☒ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: Quarterly Sampling * QC Collected

Collected By Kenneth R. Rowe / Paul Conley Date 10-13-97

Delivered By Kenneth R. Rowe Date 10-14-97 Time 0830

Received By Christine Mygrant Date 10/14/97 Time 0830

CES Certified Environmental Services, Inc.

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

REPORT OF ANALYSES

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

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 11/06/97

SAMPLE NUMBER- 145608 SAMPLE ID- Trip Blank SAMPLE MATRIX- WA
DATE SAMPLED- 10/13/97 TIME SAMPLED- 1100
DATE RECEIVED- 10/14/97 SAMPLER- K. R. Rowe/P. Conley RECEIVED BY- CAM
TIME RECEIVED- 0830 DELIVERED BY- Kevin R. Rowe TYPE SAMPLE- Grab

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021	10/27/97		BLD		
Benzene	EPA 8021	10/27/97		BLD	< 0.7	ug/L
Toluene	EPA 8021	10/27/97		BLD	< 1.0	ug/L
Ethylbenzene	EPA 8021	10/27/97		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 8021	10/27/97		BLD	< 1.0	ug/L
o-Xylene	EPA 8021	10/27/97		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 8021	10/27/97		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021	10/27/97		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021	10/27/97		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 8021	10/27/97		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021	10/27/97		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 8021	10/27/97		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021	10/27/97		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021	10/27/97		BLD	< 1.0	ug/L
Naphthalene	EPA 8021	10/27/97		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021	10/27/97		BLD	< 5.0	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY: _____

CES Certified Environmental Services, Inc.

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Syracuse, NY 13210
Phone 315-478-2274
Fax 315-478-2107

SAMPLE CHARACTERIZATION/CHAIN-OF-CUSTODY

CLIENT: ALASKAN Oil Inc LOG NO. 145608

CONTACT: Richard Neugebauer PS# ( )

SAMPLING INFORMATION:

SAMPLE ID: "Trip Blank" LOCATION: AOI/PEF #326 ALTMAR

SAMPLE TYPE: ☐ Soil ☒ Water ☐ Oil ☐ Wipe ☐ Air ☐ _____

COLLECTION TECHNIQUE: ☐ Composite ☒ Grab ☐ Wipe ☐ Flow Composite ☐ _____

COMPOSITE: (Start) Date _____ Time _____ By _____

(Finish) Date _____ Time _____ By _____

GRAB: Date 10-13-97 Time 11:00 By K. Rowe/P. Conley

SAMPLE PRESERVATION:

Date 10-13-97 Time 11:00 By P. Conley

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☒ Cooled to 4° C

☐ Other (Identify) _____

SAMPLE CONTAINERS:

Container	Qty		Qty
☐ Quart Jar (Glass w/Teflon Liner)	___	☒ 40 ml Vial with Teflon Liner	1
☐ 500 ml Plastic Cylinder	___	☐ Quart Jar (Glass w/o Teflon Liner)	___
☐ ½ Gallon (Plastic)	___	☐ Pint Jar (Glass w/Teflon Liner)	___
☐ Coliform Cup	___	☐ Pint Jar (Glass w/o Teflon Liner)	___
☐ Other _____	___		

PARAMETERS: ☐ See Attached Proposal/List

EPA 8021

NOTES: Quarterly Sampling

Collected By Kerry K. Rowe/Paul Conley Date 10/13/97

Delivered By Kerry K. Rowe Date 10/14/97 Time 0830

Received By Christine Miguel Date 10/14/97 Time 0830

Received By _____ Date _____ Time _____

CES Certified Environmental Services, Inc.

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

REPORT OF ANALYSES

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

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 10/17/97

SAMPLE NUMBER- 145598 SAMPLE ID- Mini Mart-Kitchen Sink SAMPLE MATRIX- WA
DATE SAMPLED- 10/13/97 TIME SAMPLED- 1300
DATE RECEIVED- 10/14/97 SAMPLER- Paul A. Conley RECEIVED BY- CAM
TIME RECEIVED- 0830 DELIVERED BY- Paul Conley TYPE SAMPLE- Grab

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
METHYL-T-BUTYL ETHER	EPA 503.1	10/15/97		BLD	< 5.0	ug/L
EPA 503.1 Scan	EPA 503.1	10/15/97		BLD		
Benzene	EPA 503.1	10/15/97		BLD	< 0.7	ug/L
Trichloroethene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Toluene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Tetrachloroethene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Chlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Ethylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
o-Xylene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Styrene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Bromobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
2-Chlorotoluene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
4-Chlorotoluene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L

Certified Environmental Services, Inc.

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Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

CONTINUATION OF DATA FOR SAMPLE NUMBER 145598

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
1,3-Dichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,2,4-Trichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Hexachlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Naphthalene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,2,3-Trichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY:

CES Certified Environmental Services, Inc.

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Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

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

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 10/17/97

SAMPLE NUMBER- 145599 SAMPLE ID- "Lynn's" SAMPLE MATRIX- WA
DATE SAMPLED- 10/13/97 TIME SAMPLED- 1230
DATE RECEIVED- 10/14/97 SAMPLER- Paul A. Conley RECEIVED BY- CAM
TIME RECEIVED- 0830 DELIVERED BY- Paul Conley TYPE SAMPLE- Grab

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
METHYL-T-BUTYL ETHER	EPA 503.1	10/15/97		BLD	< 5.0	ug/L
EPA 503.1 Scan	EPA 503.1	10/15/97		BLD		
Benzene	EPA 503.1	10/15/97		BLD	< 0.7	ug/L
Trichloroethene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Toluene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Tetrachloroethene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Chlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Ethylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
o-Xylene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Styrene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Bromobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
2-Chlorotoluene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
4-Chlorotoluene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L

Certified Environmental Services, Inc.

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Phone 315-478-2374
Fax 315-478-2107

CONTINUATION OF DATA FOR SAMPLE NUMBER 145599

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
1,3-Dichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,2,4-Trichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Hexachlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Naphthalene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,2,3-Trichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY:

Certified Environmental Services, Inc.

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

REPORT OF ANALYSES

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

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 10/17/97

SAMPLE NUMBER- 145600 SAMPLE ID- Trip Blank SAMPLE MATRIX- WA
DATE SAMPLED- 10/13/97 TIME SAMPLED- 1200
DATE RECEIVED- 10/14/97 SAMPLER- Paul A. Conley RECEIVED BY- CAM
TIME RECEIVED- 0830 DELIVERED BY- Paul Conley TYPE SAMPLE- Grab

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
METHYL-T-BUTYL ETHER	EPA 503.1	10/15/97		BLD	< 5.0	ug/L
EPA 503.1 Scan	EPA 503.1	10/15/97		BLD		
Benzene	EPA 503.1	10/15/97		BLD	< 0.7	ug/L
Trichloroethene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Toluene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Tetrachloroethene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Chlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Ethylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
o-Xylene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Styrene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Bromobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
2-Chlorotoluene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
4-Chlorotoluene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L

CES Certified Environmental Services, Inc.

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

CONTINUATION OF DATA FOR SAMPLE NUMBER 145600

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
1,3-Dichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,2,4-Trichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Hexachlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
Naphthalene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L
1,2,3-Trichlorobenzene	EPA 503.1	10/15/97		BLD	< 1.0	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY:

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CHAIN OF CUSTODY RECORD

Company: Alaskan Oil Inc Phone: ______
Address: 5?? Solar ST Fax: ______
Syracuse NY P.O. #: ______
Contact Person: Richard Laughbaum Project: AOT/PET #226 ?? NY

Sampled By (print): Paul A ???? (sign): [signature]

Analysis: [illegible]

SAMPLE NO.	COLLECTED DATE	COLLECTED TIME	COMP	GRAB	MATRIX	SAMPLE LOCATION	# OF CONT.	Analysis					COMMENTS
145598	10-13-97	[illegible]		X	W	MINI-MART [illegible]	2	X					48 hr TAT
145600	10-13-97	[illegible]		X	W	"TRIP BLANK"	1	X					original to Eric
145599	10-13-97	[illegible]		X	W	"[illegible]'s"	2	X					Murdock

Relinquished By:	Date	Time	Received By:	Date	Time
[signature]	10-13-97	17:??			
Relinquished By:	**Date**	**Time**	**Received by Lab:**	**Date**	**Time**
			[signature]	10/14/97	08:30

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

CES

APPENDIX D

Groundwater Elevation Data Summary

CES

Groundwater Elevation Data

Alaskan Oil, Inc.
Route 13 & Cemetery Street
Altmar, New York

Well #	Top of Casing Elevation PVC	Top of Screen Elevation	Groundwater Elevations				
			01/23/97	*03/26/97*	*06/04/97*	*07/25/97*	*10/13/97*
MW-1	100.00	98.0	93.39	93.39	94.870	93.85	92.70
MW-2	100.18	98.2	93.24	93.24	94.63	94.10	92.56
MW-3	100.06	98.1	95.05	95.05	95.78	94.76	94.12
MW-4	99.65	97.7	94.16	94.16	93.89	92.94	92.52
MW-5	99.23	95.2	NA	NA	NA	92.54	92.84
MW-6	100.50	96.5	NA	NA	NA	94.62	92.44
MW-7	100.45	97.5	NA	NA	NA	94.58	92.64

Note: All measurements recorded in feet
Monitoring wells were resurveyed by CES in July 1997
Top of Casing Elevation is Top of PVC riser
NA - Not Available