

ALASKA CONSULTING AND ENVIRONMENTAL ENGINEERING

ARNE K. TIKKA, P.E.

P.O. Box 2324 Soldotna, Alaska 99669

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RECEIVED

JUN 04 2015

**ADEC
Kenai Area Office**

June 1, 2015

Paul Horwath, P.E.
ADEC
43335 K Beach Road, Suite 11
Soldotna, Alaska 99669

Subject: Crown Point Lodge
ADEC Hazard ID #23463
30285 Seward Highway, Moose Pass, Alaska 99631
Report of Further Site Investigation and Monitor Well Sampling

Paul:

Field Investigation

Based on your April 17, 2015 review correspondence to Todd Peterson, of our February 27, 2015 report, we returned to the site on May 5, 2015, with Todd Peterson of Seward Real Estate, to excavate and attempt to expose existing monitoring wells.

Todd Peterson dug with a backhoe and exposed monitoring wells, MW's #2 & 3. The flush mounted traffic covers were still in-place and we were able to expose the monitoring wells in adequate condition. We dug an approximate 12-foot diameter radius to 18-inches below ground around the suspected location of MW 4 but were unable to locate the monitor well. We were unable to locate MW 3 since a large soil pile now exists in that location and the backhoe broke down.

Monitor Well Sampling

We measured static-water-levels and total depths of MW's #2 & 3. Following measurements we calculated water volume in each well and used individual decontaminated stainless steel bailers to bail at least three casing volumes of water from each monitoring well. The water was emptied from bailers and contained into 5-gallon buckets which were stored onsite. Following bailing we sampled each monitoring well for Gasoline Range Organics (GRO) and Benzene, Toluene, Ethylzene, and Xylene (BTEX) as requested in your April 17, 2015, correspondence to Todd Peterson. Sampling was completed using procedures outlined per ADEC's Draft May 2010 Field Sampling Guidance. Samples were collected from the stainless steel bailers directly into sample containers provided by SGS North America, Inc. and transferred directly into a cooler with blue ice at 4°C.

Review of Analytical Sample Results

Analytical services including a sample kit with sample containers, preservatives, and appropriate trip and temperature blank(s) were provided by SGS North America, Inc. (SGS) in Anchorage, Alaska. Samples were properly stored and transported to SGS in Anchorage for sample analysis under proper security and Chain-of-Custody. Custody seals were placed on the shipped container.

Samples were analyzed by SGS for GRO by Alaska Method 101 (AK 101) and BTEX by EPA Method SW8021B. A detailed Analytical Report from the laboratory is provided with analytical quality assurance procedures and data as Appendix A.

The attached laboratory analytical results show ND levels for all parameters analyzed from MW 2. MW 1 revealed slightly elevated levels of GRO and BTEX parameters. Benzene and GRO exceed the Table C Groundwater Cleanup Levels in 18 AAC 75. MW 1 revealed Benzene at 10.7 ug/L (ADEC Table C Cleanup Level of 5 ug/L) and GRO at 2.2 mg/L (ADEC Table C Cleanup Level of 1.3 mg/L).

Review of Site Information and Groundwater Sampling Historical Data

We reviewed the December 1998 draft report by Dames & Moore titled Supplemental Release Investigation Crown Point Lodge. Figure 3 in this report shows groundwater flow direction and provides 1998 groundwater analytical results from the four site monitoring wells and the site drinking water well.

The 1998 analytical results show highest levels of GRO and BTEX from MW 1 (GRO of 15 mg/L and Benzene at 41.5 ug/L) under the former dispensers and the next highest levels in MW 2 downgradient of MW 1 (GRO of 5.2 mg/L and Benzene at 22.7 mg/L). The current May 2015 levels of GRO and BTEX in MW's 1 & 2 are significantly reduced from the 1998 reported levels. The monitoring well downgradient of the former fuel dispensers, MW 2, shows all ND levels for GRO and BTEX parameters in 2015. MW 1 under the former dispensers shows levels reduced with GRO reduced from 15 mg/L in 1998 to 2.2 mg/L in 2015 and Benzene reduced from 41.5 ug/L in 1998 to 10.7 ug/L in 2015.

The 1998 Dames and Moore draft report indicates the subsurface lithology consists of sands and gravels from the surface to 51 feet below ground with a clay layer between 22 and 29 feet below ground. The monitoring wells are installed in an unconfined strata and shallow groundwater flow is reported to be toward the southeast at a gradient of 0.003. The report further concludes that the "substantial difference in groundwater potentiometric surface elevations in the monitoring wells and the drinking water well suggest that the aquifers are not in hydrologic communication". The report further states that "contaminant concentrations decrease fairly rapidly away from the former dispenser location".

Conclusions and Recommendations

Based on our investigation it appears that contaminant levels in the groundwater have naturally attenuated over time and in all likelihood will continue to do so. Based on ND GRO and BTEX contaminant levels in MW 2, located only slightly downgradient from the former dispenser location, it appears that current contamination is likely limited to directly under the former dispenser location, is not likely to migrate offsite, and is not likely to impact the usable groundwater aquifers in the area.

Based on this current investigation and analytical results, comparison of current and past contaminant levels in the monitoring wells, and assuming contaminant concentrations will further attenuate over time, we recommend the owner be allowed to properly abandon, or remove, the existing monitoring wells and the site be closed out for further action by ADEC.

The owner proposes to use an excavator to further search for and expose MW's 3 & 4. Based on the shallow depth of the existing monitoring wells recently measured at 12-13 feet in MW's 1 & 2, the owner proposes to remove the monitoring wells using an excavator and backfill the holes with native sand and gravel removed during excavation of the monitoring wells. ACE Engineering will sample the soils and screen for organic vapors using a MiniRae 2000 PID during removal of the monitoring wells. If any contaminated soils are encountered during excavation that will likely exceed State Cleanup Levels in 18 AAC 75 the soils will be stockpiled and ADEC will be notified.

Please call if you have any questions or need additional information.

Sincerely,



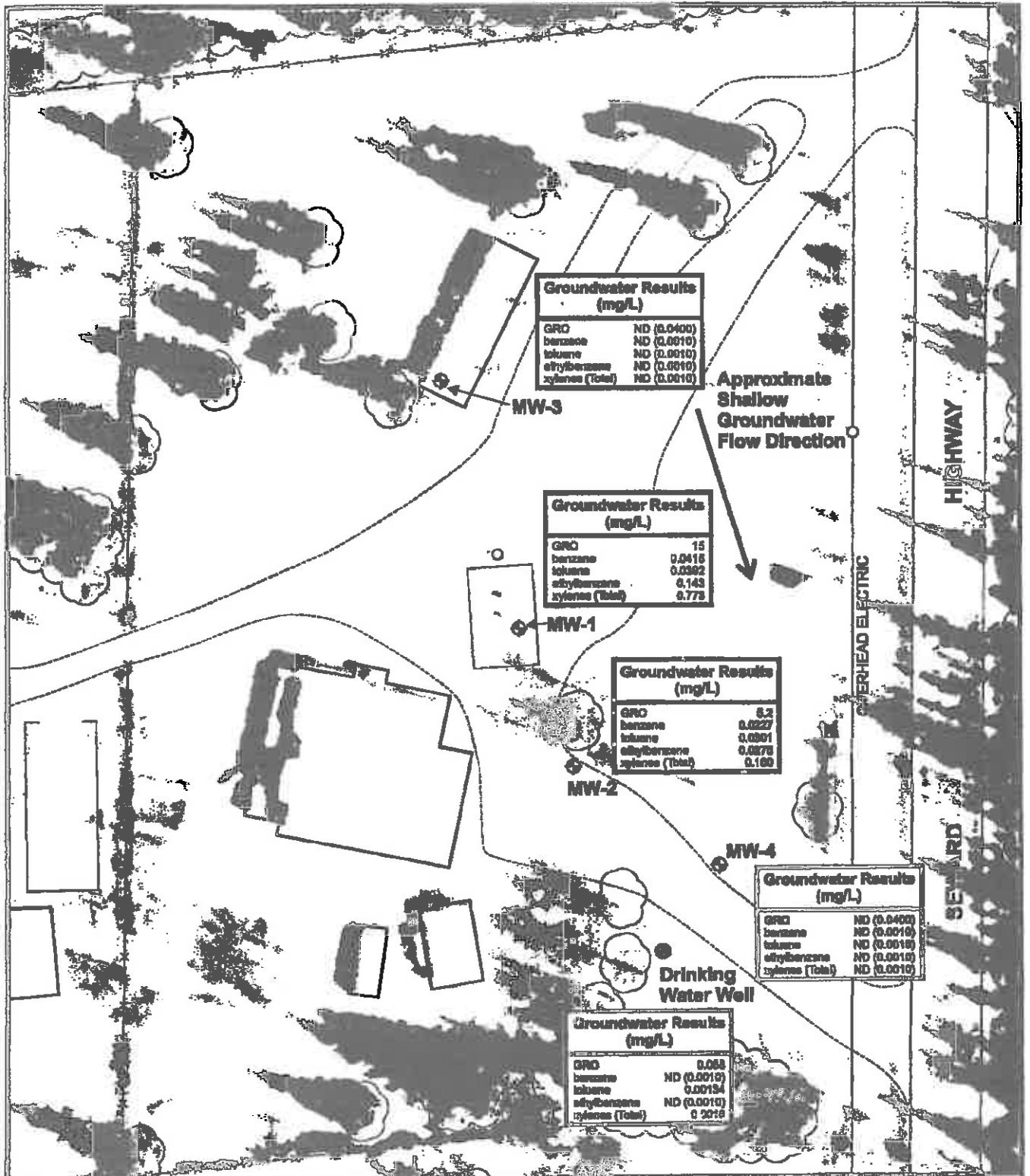
Arne Tikka, P.E.

ACEE.reports\CrownPointLodgeMWdec.let

Attachments:

Site Plan and Groundwater Results by Dames and Moore, Figure 3
Laboratory Analytical Results, Attachment A

cc Todd Petersen
Seward Real Estate Co.
11694 Seward Highway, Suite A
Seward, Alaska 99664



Groundwater Results (mg/L)

GRO	ND (0.0400)
benzene	ND (0.0010)
toluene	ND (0.0010)
ethylbenzene	ND (0.0010)
xylenes (Total)	ND (0.0010)

Groundwater Results (mg/L)

GRO	15
benzene	0.0418
toluene	0.0382
ethylbenzene	0.143
xylenes (Total)	0.778

Groundwater Results (mg/L)

GRO	8.2
benzene	0.0227
toluene	0.0301
ethylbenzene	0.0378
xylenes (Total)	0.160

Groundwater Results (mg/L)

GRO	ND (0.0400)
benzene	ND (0.0010)
toluene	ND (0.0010)
ethylbenzene	ND (0.0010)
xylenes (Total)	ND (0.0010)

Groundwater Results (mg/L)

GRO	0.068
benzene	ND (0.0010)
toluene	0.00134
ethylbenzene	ND (0.0010)
xylenes (Total)	0.2019

Legend

- GRO - Gasoline Range Organic Compounds (Ak101)
- ND (0.0010) - Not Detected (Minimum Reporting Limit)
- mg/L - milligrams per liter



Source: Aeromap U.S., Inc.
Roll 89-7C, Exp. #3-15

ALASKA INDUSTRIAL DEVELOPMENT & EXPORT AUTHORITY
CROWN POINT LODGE UST RELEASE INVESTIGATION

GROUNDWATER ANALYTICAL RESULTS AND GROUNDWATER FLOW DIRECTION
CROWN POINT, ALASKA

LOANES & MOORE
DCM GROUP

JOB NO: 22458-031-000 DRAWN: ELK
DATE: NOVEMBER 1990 FILE: FICR8.COR

FIGURE 3

Attachment A

Laboratory Analytical Report

June 1, 2015, ADEC/Paul Horwath, P.E.
Crown Point Lodge, ADEC Hazard ID #23463
Report of Further Site Investigation and Monitor Well Sampling

Alaska Consulting and
Environmental Engineering
Project No. 14-193



Laboratory Analysis Report

Arne Tikka
A.C.E. Engineering
P.O. Box 2324
Soldotna, AK 99669

Work Order: 1151885
Crown Point Lodge
Client: A.C.E. Engineering
Report Date: May 12, 2015


Alaska Division Project Manager

Forest Taylor
2015.05.12
09:09:38 -08'00'

Enclosed are the analytical results associated with the above work order. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. If you have any questions regarding this report, or if we can be of any other assistance, please contact your SGS Project Manager at 907-562-2343. This document is issued by the Company under its General Conditions of Service accessible at <<http://www.sgs.com/en/Terms-and-Conditions.aspx>>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS maintains a formal Quality Assurance/Quality Control (QA/QC) program. A copy of our Quality Assurance Plan (QAP), which outlines this program, is available at your request. The laboratory certification numbers are AK00971 (DW Chemistry & Microbiology) & UST-005 (CS) for ADEC and 2944.01 for DOD ELAP/ISO 17025 (RCRA methods: 1020B, 1311, 3010A, 3050B, 3520C, 3550C, 5030B, 5035A, 6020A, 7470A, 7471B, 8015C, 8021B, 8082A, 8260B, 8270D, 8270D-SIM, 9040C, 9045D, 9056A, 9060A, AK101 and AK102/103). Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP and, when applicable, other regulatory authorities.

The following descriptors or qualifiers may be found in your report:

- * The analyte has exceeded allowable regulatory or control limits.
- f Surrogate out of control limits.
- B Indicates the analyte is found in a blank associated with the sample.
- CCV Continuing Calibration Verification
- CL Control Limit
- D The analyte concentration is the result of a dilution.
- DF Dilution Factor
- DL Detection Limit (i.e., maximum method detection limit)
- E The analyte result is above the calibrated range.
- F Indicates value that is greater than or equal to the DL
- GT Greater Than
- ICV Initial Calibration Verification
- J The quantitation is an estimation.
- JL The analyte was positively identified, but the quantitation is a low estimation.
- LCS(D) Laboratory Control Spike (Duplicate)
- LOD Limit of Detection (i.e., 1/2 of the LOQ)
- LOQ Limit of Quantitation (i.e., reporting or practical quantitation limit)
- LT Less Than
- M A matrix effect was present.
- MB Method Blank
- MS(D) Matrix Spike (Duplicate)
- ND Indicates the analyte is not detected.
- Q QC parameter out of acceptance range.
- R Rejected
- RPD Relative Percent Difference
- U Indicates the analyte was analyzed for but not detected.

Note: Sample summaries which include a result for "Total Solids" have already been adjusted for moisture content.
All DRO/RRO analyses are integrated per SOP.



SGS Ref.# 1151885001
Client Name A.C.E. Engineering
Project Name/# Crown Point Lodge
Client Sample ID MW2
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 05/12/2015 8:34
Collected Date/Time 05/05/2015 13:05
Received Date/Time 05/06/2015 16:25
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department									
Benzene	ND	0.500	ug/L	SW8021B	A		05/10/15	05/10/15	ST
Ethylbenzene	ND	1.00	ug/L	SW8021B	A		05/10/15	05/10/15	ST
Gasoline Range Organics	ND	0.100	mg/L	AK101	A		05/10/15	05/10/15	ST
o-Xylene	ND	1.00	ug/L	SW8021B	A		05/10/15	05/10/15	ST
P & M -Xylene	ND	2.00	ug/L	SW8021B	A		05/10/15	05/10/15	ST
Toluene	ND	1.00	ug/L	SW8021B	A		05/10/15	05/10/15	ST
Surrogates									
1,4-Difluorobenzene <surr>	90.5		%	SW8021B	A	77-115	05/10/15	05/10/15	ST
4-Bromofluorobenzene <surr>	88.7		%	AK101	A	50-150	05/10/15	05/10/15	ST



SGS Ref.# 1151885002
Client Name A.C.E. Engineering
Project Name/# Crown Point Lodge
Client Sample ID MW1
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 05/12/2015 8:34
Collected Date/Time 05/05/2015 14:10
Received Date/Time 05/06/2015 16:25
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<u>Volatile Fuels Department</u>									
Benzene	10.7	0.500	ug/L	SW8021B	A		05/10/15	05/10/15	ST
Ethylbenzene	2.73	1.00	ug/L	SW8021B	A		05/10/15	05/10/15	ST
Gasoline Range Organics	2.20	0.100	mg/L	AK101	A		05/10/15	05/10/15	ST
o-Xylene	2.86	1.00	ug/L	SW8021B	A		05/10/15	05/10/15	ST
P & M -Xylene	2.82	2.00	ug/l.	SW8021B	A		05/10/15	05/10/15	ST
Toluene	5.91	1.00	ug/L	SW8021B	A		05/10/15	05/10/15	ST
<u>Surrogates</u>									
1,4-Difluorobenzene <surrogate>	110		%	SW8021B	A	77-115	05/10/15	05/10/15	ST
4-Bromofluorobenzene <surrogate>	105		%	AK101	A	50-150	05/10/15	05/10/15	ST



SGS Ref.# 1151885003
Client Name A.C.E. Engineering
Project Name/# Crown Point Lodge
Client Sample ID Trip Blank
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 05/12/2015 8:34
Collected Date/Time 05/05/2015 13:05
Received Date/Time 05/06/2015 16:25
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<u>Volatile Fuels Department</u>									
Benzene	ND	0.500	ug/L	SW8021B	A		05/10/15	05/10/15	ST
Ethylbenzene	ND	1.00	ug/L	SW8021B	A		05/10/15	05/10/15	ST
Gasoline Range Organics	ND	0.100	mg/L	AK 101	A		05/10/15	05/10/15	ST
o-Xylene	ND	1.00	ug/L	SW8021B	A		05/10/15	05/10/15	ST
P & M -Xylene	ND	2.00	ug/L	SW8021B	A		05/10/15	05/10/15	ST
Toluene	ND	1.00	ug/L	SW8021B	A		05/10/15	05/10/15	ST
<u>Surrogates</u>									
1,4-Difluorobenzene <surrogate>	89.9		%	SW8021B	A	77-115	05/10/15	05/10/15	ST
4-Bromofluorobenzene <surrogate>	88		%	AK 101	A	50-150	05/10/15	05/10/15	ST



SGS North America Inc.
CHAIN OF CUSTODY RECORD

1151885



- Locations Nationwide
 Alaska
 Maryland
 New Jersey
 New York
 North Carolina
 Indiana
 West Virginia
 Kentucky

www.us.sgs.com

Instructions: Sections 1 - 5 must be filled out.
 Omissions may delay the onset of analysis.

CLIENT: ACE ENGINEERING

CONTACT: ARNE TIKKA PHONE NO: 907-398-8193

PROJECT: CROWN POINT PROJECT PWSID/ PERMIT#:

NAME: LODGE

REPORTS TO: ACE ENG. E-MAIL: aceengineering@alaska.net

INVOICE TO: ACE ENG. QUOTE #: P.O. #:

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HR:MM	MATRIX/ MATRIX CODE	CONTAINERS		Type C= COMP G= GRAB MI= Multi-Incre- mental Soils	REMARKS/ LOC ID
					#			
	1A-C	5-5-15	1305	WATER	3	G		
	2A-C	5-5-15	1410	WATER	3	G		
	3A-C			TRIP BLANK				

Section 2

Relinquished By: (1) *Arne Tikka* Date 5-6-15 Time 1000 Received By: *[Signature]*

Relinquished By: (2) Date Time Received By:

Relinquished By: (3) Date Time Received By:

Relinquished By: (4) Date 5-6-15 Time 1625 Received For Laboratory By: *[Signature]*

Section 3

Section 4

DOD Project? Yes No

Cooler ID: NORMAL TA

Requested Turnaround Time and/or Special Instructions:

Section 5

Temp Blank °C: 33AFDS

or Ambient []

Chain of Custody Seal: (Circle)

INTACT IF BROKEN ABSENT

(See attached Sample Receipt Form)

http://www.sgs.com/terms-and-conditions

200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301

5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

F088-Kit_Request_and_COC_Templates-Blank Revised 2013-03-24

AIRPORT OF DEPARTURE ENA 05/06/15 10:22 095166

808 6822239

Frgt

SHIPPER'S NAME, ADDRESS & PHONE ACE ENGINEERING ACE ENGINEER		SHIPPER'S ACCOUNT NUMBER 9072623197	NOT AIR WAYBILL Ravn 4700 Old International Airport Road Anchorage, Alaska 99502 ALASKA
--	--	---	--


CONSIGNEE'S NAME, ADDRESS & PHONE SGS SGS 200 W.POTTER ANCHORAGE AK		CONSIGNEE'S ACCOUNT NUMBER 9075622343	It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT AS LISTED IN THE COMPANIES TARIFFS. THE SHIPPER'S ATTENTION IS DRAWN TO THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.
---	--	---	---


ISSUING CARRIER'S AGENT NAME, CITY & PHONE		ALSO NOTIFY NAME & ADDRESS
--	--	----------------------------

AGENT'S IATA CODE	ACCOUNT NO.	ACCOUNTING INFORMATION 6967700
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AIRPORT OF DEPARTURE Kenai	Declared Value \$ 0.00	Insured Amount \$ 0.00	Card VI 2033 Exp 0116
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BY FIRST		COMMENTS NOA
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No. of Pieces Rcp	Gross Weight	kg lb	Rate Class	Commodity Item No.	Chargeable Weight	Rate/Charge	Total	Nature and Quantity of Goods
1	31	l.	M	gen	1	\$29.18	\$29.18	lab samples
1151885 1151887 								3.3°C D3
1	31						\$29.18	

\$29.18	OTHER CHARGES AND DESCRIPTION	 HAZMAT No
\$0.00	AMOUNT DESCRIPTION	
\$1.82		
\$0.00		
\$0.00		
\$31.00	SHIPPER CERTIFIES THAT THE PARTICULARS ON THE FACE HEREOF ARE CORRECT, AGREES TO THE CONDITIONS AS LISTED IN THE COMPANIES TARIFFS, ACCEPTS THAT CARRIER'S LIABILITY IS LIMITED AS STATED IN THE COMPANIES TARIFFS AND ACCEPTS SUCH VALUE UNLESS A HIGHER VALUE FOR CARRIAGE IS DECLARED ON THE FACE HEREOF SUBJECT TO AN ADDITIONAL CHARGE AND THAT INsofar AS ANY PART OF THE CONSIGNMENT CONTAINS RESTRICTED ARTICLES, SUCH PART IS DESCRIBED BY NAME AND IS IN PROPER CONDITION FOR CARRIAGE BY AIR ACCORDING TO APPLICABLE NATIONAL GOVERNMENTAL REGULATIONS, AND FOR INTERNATIONAL SHIPMENTS, THE CURRENT INTERNATIONAL AIR TRANSPORT ASSOCIATION'S RESTRICTED ARTICLES REGULATIONS.	

STATION NUMBERS
 ANCHORAGE - (907) 243-2761
 ANIAK - (907) 875-4572
 BARROW - (907) 852-5300
 BETHEL - (907) 543-3825
 DEADHORSE - (907) 859-8222

FAIRBANKS - (907) 450-7250
 GALENA - (907) 656-1875
 KOTZEBUJE - (907) 442-3020
 NOME - (907) 443-7595
 ST. MARYS - (907) 438-2247
 UNALAKLEET - (907) 624-3595

Printed at 10:26:50 on 5/6/2015 at ENA-FRT1 10.106.2.2

Printed Name and Title

Signature

Consignee Copy

Alert Expeditors Inc.

#355909

Citywide Delivery • 440-3351
8421 Flamingo Drive • Anchorage, Alaska 99502

Date 5-6-15
From ACE Engineering
To JLS

Collect <input type="checkbox"/>	Prepay <input type="checkbox"/> Account <input type="checkbox"/>	Advance Charges <input type="checkbox"/>
Job #	PO#	

<u>1 crate @ 31 lbs</u>	<u>RAVN</u>
-------------------------	-------------

1151885

1151887



Shipped Signature

Received By: [Signature] Total Charge



1151885



* 1 1 5 1 8 8 5 *

SAMPLE RECEIPT FORM

Review Criteria:	Yes	N/A	No	Comments/Action Taken:
Were custody seals intact? Note # & location, if applicable. COC accompanied samples?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exemption permitted if sampler hand carries/delivers. IF
Temperature blank compliant* (i.e., 0-6°C after CF)? If >6°C, were samples collected <8 hours ago? If <0°C, were all sample containers ice free? Cooler ID: _____ @ 3.5 _____ w/ Therm.ID: D3 Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ If samples are received <u>without</u> a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "COOLER TEMP" will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note "ambient" or "chilled."	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exemption permitted if chilled & collected <8 hrs ago. Note: Identify containers received at non-compliant temperature. Use form FS-0029 if more space is needed.
Delivery method (specify all that apply): <input type="checkbox"/> Client (hand carried) <input type="checkbox"/> USPS <input type="checkbox"/> Lynden <input type="checkbox"/> AK Air <input checked="" type="checkbox"/> Alert Courier <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input checked="" type="checkbox"/> RAVN <input type="checkbox"/> C&D Delivery <input type="checkbox"/> Carlisle <input type="checkbox"/> Pen Air <input type="checkbox"/> Warp Speed <input type="checkbox"/> Other: _____ → For WO# with airbills, was the WO# & airbill info recorded in the Front Counter eLog?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Yes	N/A	No	
Were samples received within hold time? Do samples match COC* (i.e., sample IDs, dates/times collected)? Were analyses requested unambiguous?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Note: Refer to form F-083 "Sample Guide" for hold times. Note: If times differ <1hr, record details and login per COC.
Were samples in good condition (no leaks/cracks/breakage)? Packing material used (specify all that apply): <input checked="" type="checkbox"/> Bubble Wrap <input type="checkbox"/> Separate plastic bags <input type="checkbox"/> Vermiculite <input type="checkbox"/> Other:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were proper containers (type/mass/volume/preservative*) used? Were Trip Blanks (i.e., VOAs, LL-Hg) in cooler with samples? Were all VOA vials free of headspace (i.e., bubbles ≤6 mm)? Were all soil VOAs field extracted with MeOH+BFB?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Exemption permitted for metals (e.g., 200.8/6020A).
For preserved waters (other than VOA vials, LL-Mercury or microbiological analyses), was pH verified and compliant? If pH was adjusted, were bottles flagged (i.e., stickers)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For special handling (e.g., "MI" soils, foreign soils, lab filter for dissolved..., lab extract for volatiles, Ref Lab, limited volume), were bottles/paperwork flagged (e.g., sticker)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For RUSH/SHORT Hold Time, were COC/Bottles flagged accordingly? Was Rush/Short HT email sent, if applicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For SITE-SPECIFIC QC, e.g. BMS/BMSD/BDUP, were containers / paperwork flagged accordingly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For any question answered "No," has the PM been notified and the problem resolved (or paperwork put in their bin)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SRF Completed by: NEG PM notified:
Was PEER REVIEW of sample numbering/labeling completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Peer Reviewed by:
Additional notes (if applicable):				
<p>Note to Client: Any "no" answer above indicates non-compliance with standard procedures and may impact data quality.</p>				



Sample Containers and Preservatives

<u>Container Id</u>	<u>Preservative</u>	<u>Container Condition</u>	<u>Container Id</u>	<u>Preservative</u>	<u>Container Condition</u>
1151885001-A	HCL to pH < 2	OK			
1151885001-B	HCL to pH < 2	OK			
1151885001-C	HCL to pH < 2	OK			
1151885002-A	HCL to pH < 2	OK			
1151885002-B	HCL to pH < 2	OK			
1151885002-C	HCL to pH < 2	OK			
1151885003-A	HCL to pH < 2	OK			
1151885003-B	HCL to pH < 2	OK			
1151885003-C	HCL to pH < 2	OK			

Container Condition Glossary

Containers for bacteriological, low level mercury and VOA vials are not opened prior to analysis and will be assigned condition code OK unless evidence indicates that an inappropriate container was submitted.

OK - The container was received at an acceptable pH for the analysis requested.

PA - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt and the container is now at the correct pH. See the Sample Receipt Form for details on the amount and lot # of the preservative added.

PH - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt, but was insufficient to bring the container to the correct pH for the analysis requested. See the Sample Receipt Form for details on the amount and lot # of the preservative added.

BU - The container was received with headspace greater than 6mm.