



ADEC Kenai Area Office

November 29, 2012 G-Logics Project Number 01-0439-D

Mr. Peter Campbell Alaska Department of Environmental Conservation 43335 Kalifonsky Beach Road, Suite 11 Soldotna, AK 99669

Subject:

Well Decommissioning Report

Former Leased Facility, UST ID #2653, LLC.

East Ramp, King Salmon Airport

King Salmon, AK 99633

Dear Mr. Campbell:

Per your request, G-Logics Inc. (G-Logics) has completed the decommissioning of four groundwater-monitoring wells and one unused water-supply well located on the subject property (Figures 1 and 2). The purpose of this work was to meet the requirements for site closure outlined in the *Corrective Action Complete Determination* letter from the Alaska Department of Environmental Conservation (ADEC) dated April 25, 2012.

All work was performed by a "qualified person" as required by 18 AAC 78.995(118). The four groundwater-monitoring wells were decommissioned in accordance with ADEC's November 2011 *Monitoring Well Guidance*. The water-supply well was decommissioned in accordance with American Water Works Association (AWWA) standard A100-97, *Water Wells*, Appendix H, adopted by Alaska regulation 18 AAC 80. This report contains supporting documentation regarding this work.

Well Decommission

Groundwater-monitoring wells GL-1 thru GL-4 and the unused water-supply well were located in the area south of the King Salmon Airport East Ramp (Figures 1 and 2). Construction details for the groundwater monitoring wells are included as Appendix A.

A licensed well-driller (Karis Vandehey) was retained to close these wells and to prepare/submit the closure documentation required by ADEC (Appendix B). Prior to conducting the well-decommissioning work, a building permit from the State of Alaska (Aviation Leasing office) was obtained by G-Logics to conduct work onsite (Appendix C). The permit was required in order to remove permanent structures (monitoring wells) on the property that was located within the King Salmon airport-perimeter fence.

The five wells were decommissioned by Karis Vandehey on October 16, 2012. All wells were closed in place by filling the well with bentonite chip and cutting the casing approximately two feet below the surface. The remaining top two feet were filled with sand and surface conditions were restored to match the surrounding area.

ADEC Deliverables

With closure of the wells, site cleanup work is understood to be completed. Following your review and approval, it is G-Logics understanding ADEC will issue Trident an updated Corrective Action Complete Determination letter.

Limitations

The provided services were intended to close and document the decommissioning of four groundwater-monitoring wells and one unused water-supply well located on the property. This work did not include other services not specifically described above.

No warranty, express or implied, is made.



Closing

We trust the information presented in this report meets your needs at this time. Should you require additional information or have any questions, please contact us at your convenience. Thank you again for this opportunity to be of service.

Respectfully submitted,

G-Logics, Inc.

Rory Galloway, LG, LHG

Principal

Karis A Vandehey, LG, WSLD

Staff Geologist

FIGURES

Figure 1:

Site Location Map

Figure 2:

Site Diagram

APPENDICES

Appendix A:

Boring / Well Logs

Appendix B:

Boring / Well Decommission Logs

Appendix C:

Permit Documentation

cc Kurt Esveldt, Trident

John Heins, Trident James Thorsness, ADOT

Paul Horwath, ADEC

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FIGURES







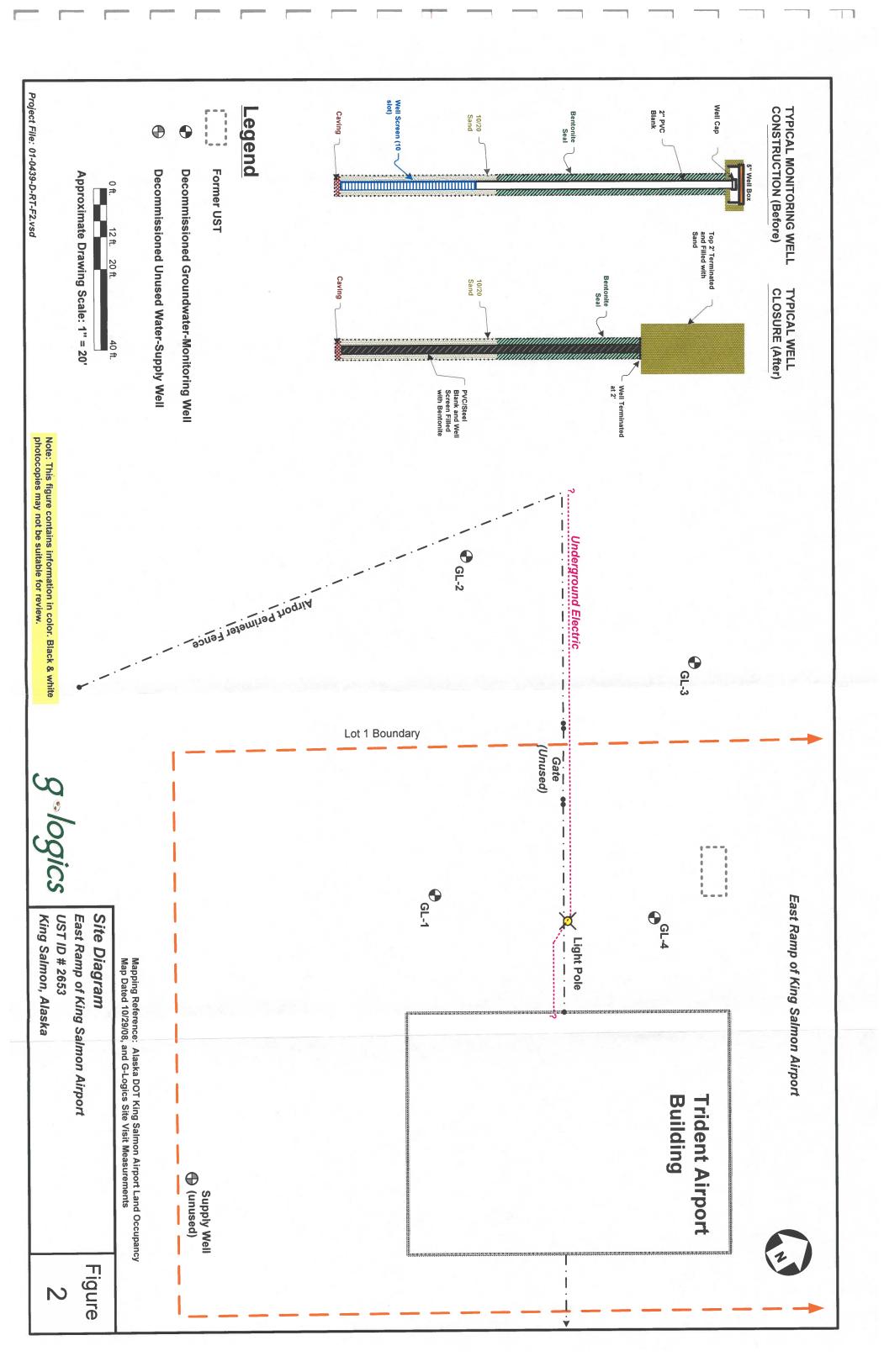
Mapping Reference: Delorme, Google Maps, and FAA

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Project File: 01-0439-C-RT-F1.vsd

Site Location Maps
UST ID # 2653
East Ramp of King Salmon Airport
King Salmon, Alaska

Figure

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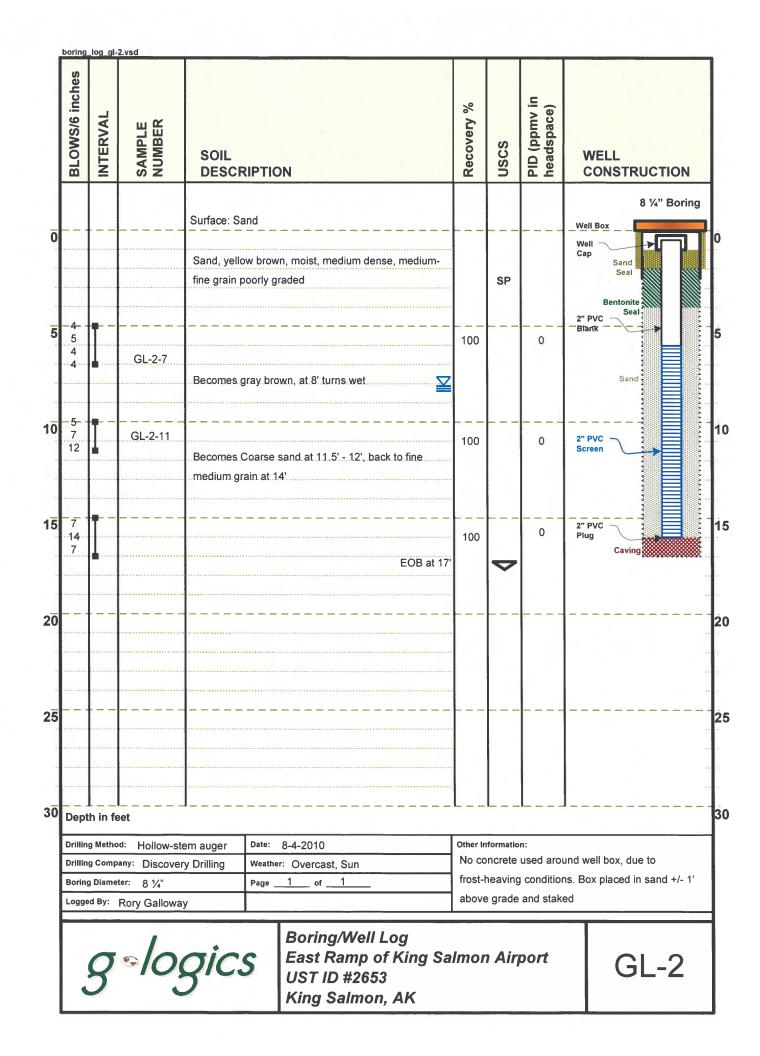
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APPENDIX A

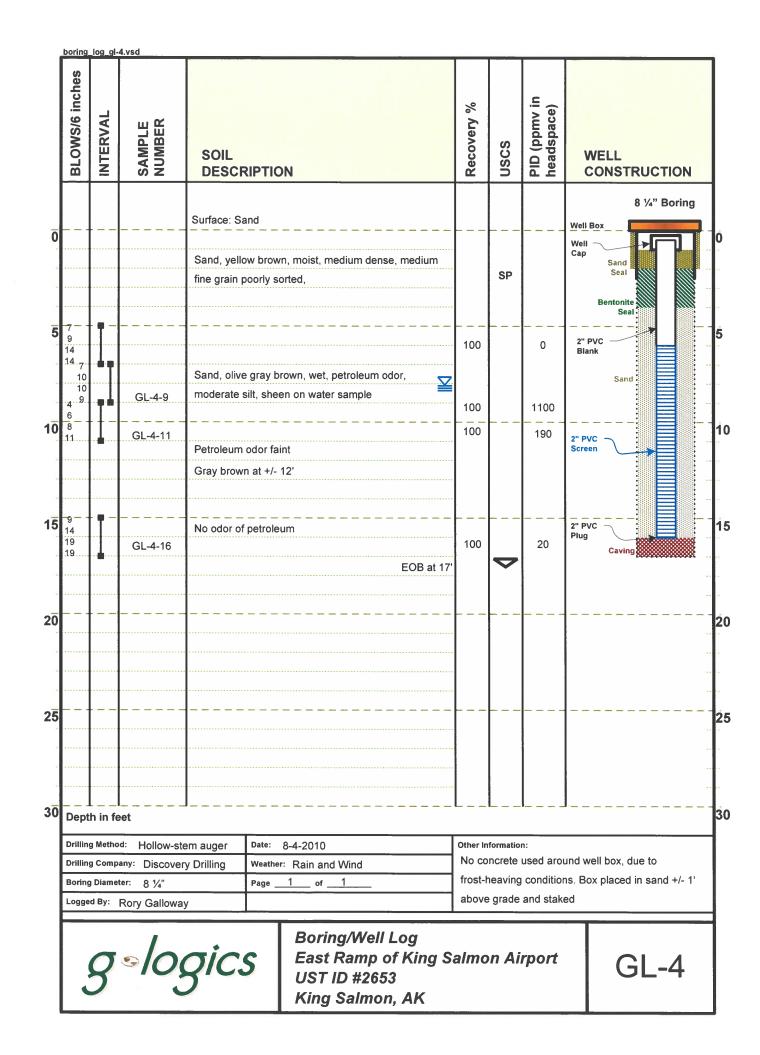
	Unified	Soil Classif	ication S	System (USCS)
PRIMARY DIV	ISIONS		SYMBOL	DESCRIPTIONS
COARSE GRAINED	GRAVELS	CLEAN GRAVEL	GW	Well graded gravel, many different particle sizes, little or no fines
SOILS	Over 50% of coarse material	Less than 5% passing #200 sieve	GP	Poorly graded, few different particle sizes, little or no fines
Sands & Gravels, Over 50% retained	retained on #4 sieve	GRAVEL WITH	GM	Silty gravels, gravel-sand-silt mixtures
on #200 sieve		13	GC	Clayey gravels, gravel-sand-clay mixtures
	SAND	CLEAN SANDS	SW	Well graded gravel, many different particle sizes, little or no fines
	Over 50% of coarse material	Less than 5% passing #200 sieve	SP	Poorly graded, few different particle sizes, little or no fines
	passed #4 sieve	SAND WITH FINES	SM	Silty gravels, gravel-sand-silt mixtures
			SC	Clayey gravels, gravel-sand-clay mixtures
FINE GRAINED SOILS	SILTS AND CLA	AYS	ML	Inorganic silts, slight to no plasticity
	Liquid limit is les	s than 50 %	CL	Inorganic clays, low to moderate plasticity
Silts & Clays, Over 50% passing the #200 sieve			OL	Organic silts and clays of low plasticity
	SILTS AND CLA	AYS	МН	Inorganic silts, moderate to high plasticity
	Liquid limit is mo	ore than 50 %	СН	Inorganic clays, high plasticity, fat clays
			ОН	Organic silts and clays of high plasticity
Highly Organic S	Soils		PT	Peat and other highly organic soils
Soil Sa	mples			Field Measurements
Disturbed,	bag, bulk, or gra	ab sample	$\overline{\underline{\nabla}}$	Water Level Observed During Drilling
			9	Groundwater Seepage (Testpits)
Standard p	enetration split	spoon sample	OVA	Organic Vapor Analyzer
Cuttings			PID	Photoionization Detector
Cultings			ppmv	Parts Per Million by Volume
* No Sample	e Recovery		spoon (2" OD) sa	r foot is the number of blows used to drive a split- ampler through the last 12 inches of an 18-inch t. One blow is a 30-inch fall of a 140-pound hammer.
P Tube Push ExplorationLogLegend.pub	ned, Not Driven		boundaries only. provided as to th locations. Logs r	eparating strata on the logs represents approximate. The actual transition may be gradual. No warranty is e continuity of the strata between exploration epresent the soil section observed at the exploration ate of exploration only.
g-log	pics		Expl	oration Log Legend

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	BLOWS/6 inches	INTERVAL 6-16 For	SAMPLE	SOIL DESCF	RIPTIO	N				Recovery %	nscs	PID (ppmv in headspace)	WE COI	LL NSTRU	CTION	
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		9	olog	gic.	S	Boring East R UST II King S	Ramp o D #265	of Kin	g Sa	lmor	n Air _l	port		GL	1	



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			Surface: S	and						8 ¼" Bori
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10 6 10 12			1	Coarse sar	nd at 11.5' - 12', b		100		0	2" PVC Screen
15 9 17 21 26						EOB at 17	100	~	0	2" PVC Plug Caving
20							-			
25										
30 _{Dep}	th in fe							L	<u> </u>]
Drillin Borin	g Diamet	ny: Discove		+	4-2010 Rain, Wind of1		No co	neaving	used aro	und well box, due to ns. Box placed in sand +/- ed



APPENDIX B

	BLOWS/6 inches	INTERVAL	SAMPLE	SOIL DESC	RIPTIC	ON	N						Recovery %	SOSU	PID (ppmv in	icadsbace)	WEI		UCTI	ON	
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10																	2" PVC - Screen				
15											EOB at	17'					2" PVC - Plug	Caving			
20																					-
25																					
30	Dept	h in fe		J									<u></u>								
	Drilling	g Metho	d: N/A		Date:	1(10-16	5-201	2				Other In	formatio	n:						\dashv
	Drilling	g Compa	any: G-Logics	S	Weathe	er:	Ove	ercas	t, Cold												
- 1		Diamet			Page _	1	1	_ of	_1												1000
			Karis Vandeh		S	4	Eas	st F		of	ecom King							G	L-	1	

BI OWS/6 inches	INTERVAL	SAMPLE	SOIL DESC	RIPTION		Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTR	RUCTION
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									Bentonii Se	
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				und surface. Remainin					2" PVC — Blank and	
			backfilled	in place with bentonite	chip. Excavation				Screen Filled with	
			backfilled	with sand to match sur	face conditions.				Bentonite	
10	+								San	d i
-									2" PVC Screen	
15	+								2" PVC	7
13									Plug	
					EOB at 17'				Cavir	ng
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Dri	ling Methe	od: N/A		Date: 10-16-2012		Other In	nformatio	on:		
Dri	ling Com	pany: G-Logic	s	Weather: Overcast, C						
_	ing Diame			Page1 of1						
Log	ged By:	Karis Vandel	ney							

DI OMETE ISSUED	BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCI	RIPTIC	ON					Recovery %	nscs	PID (ppmv in headspace)	WE CO		JCTION	
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Dr	rilling	g Method	I: N/A		Date:	10-16	6-2012				Other In	nformatio	on:		ni 14.)		
			ny: G-Logics	s	_		ercast,										
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BLOWS/6 inches	INTERVAL SAMPLE	SOIL DESC	RIPTIO)N				Recovery %	nscs	PID (ppmv in headspace)	WELL CONS	TRUCTI	ON
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10											2" PVC Screen		
15						EOB a	 at 17'				2" PVC Plug	ing	
20													
25													
30 Dept	th in feet												3
Drillin Drillin Borin	ng Method: N/A ng Company: G-L g Diameter: 8 1/4 ed By: Karis Val	,	Weather:	10-16-201 : Overcas 1 of _	t, Cold			Other Int	formation	n:			
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	BLOWS/6 inches	INTERVAL	B R R	y weit.vsd						Recovery %	(0)	PID (ppmv in headspace)					
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				Surface: Sa	and		-								8 ¼" Bo	ring	
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Department of Transportation and Public Facilities

STATEWIDE AVIATION
Central Region Aviation Leasing
P.O. Box 196900, 99519-6900
4111 Aviation Avenue, 99502
Anchorage, AK
Main: 907.269,0740
Fax: 907.269,0489

September 20, 2012

Re: King Salmon Airport Lease ADA-08117

Kurt Esveldt Trident Seafoods, Inc. 5245 Shilshole Ave. NW Seattle, WA 98107

Dear Mr. Esveldt:

Enclosed is a Building Permit Certificate which authorizes the closing of four groundwater-monitoring wells and one unused water-supply well on Lot 1, Block 100, at the King Salmon Airport. Please post the certificate in a clearly visible location on the site and coordinate all activities with the King Salmon Airport Manager, Kyler Hylton, at (907) 246-3325.

We are aware that two of the monitoring wells are not within your lease lot. This letter authorizes you to close two monitoring wells on the State's property adjacent to your lot as described on the Site Diagram Figure 2 by G-Logics named GL-2 and GL-3.

This work must be performed or directly supervised by a "qualified person" as defined in 18 AAC 78.995(118).

If you have any questions, please call me at (907) 269-0739 or e-mail me at iim.thorsness@alaska.gov. Thank you.

Sincerely,

Jim Thorsness

Airport Leasing Specialist III

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Enclosures (2): Building Permit Certificate

Exhibit A

cc w/encl: Kyler Hylton, King Salmon Airport Manager

State of Alaska

Department of Transportation and Public Facilities Anchorage Office Aviation Leasing

BUILDING PERMIT CERTIFICATE

By this Permit, Trident Seafoods is authorized to perform the following construction or demolition on Lot 1 Block 100 on the King Salmon Airport under Lease Agreement ADA-08117:

unused water-supply well will be closed in accordance with American Water Works Association (AWWA) standard A100-97, Water Wells, Appendix H, adopted by Alaska regulation 18 AAC 80. Both closure monitoring wells will be closed in accordance with ADEC Monitoring Well Guidance November 2011. procedures call for the filling of wells with bentonite or concrete, terminating 2 feet below the surface. Closure of existing groundwater-monitoring wells and unused water-supply well. Four groundwater-Lessee must follow the instructions shown on the attached sheet labeled as Exhibit A.

THIS PERMIT EXPIRES AT MIDNIGHT ON SEPTEMBER 18, 2013.

No construction or demolition other than that specifically stated above is authorized by this Permit. For construction changes or additions, contact the State of Alaska, Department of Transportation and Public Facilities

Signed: Title:

Chief, Anchorage Office, Aviation Leasing

Date:

POST THIS BUILDING PERMIT CERTIFICATE AT THE CONSTRUCTION SITE

EXHIBIT A

ADA-08117-eleasing, Building Permit Certificate issued September 18, 2012.

The Lessee shall comply with the following:

- Comply with the requirements set forth in FAA Advisory Circular 150/5370-2E, "Operational Safety on Airports during Construction."
- Contact the King Salmon Air Traffic Control Tower 24 hours before beginning work, (907) 246-8331.
- If any vehicles in excess of 7' are required to complete the work, a separate airspace is required.
- At no time are workers or vehicles allowed to enter movement area of the King Salmon Airport without approval of the King Salmon, Air Traffic Control Tower.
- The Lessee will provide the State of Alaska a copy of ADEC's closure report by December 15, 2012.
- This work must be performed or directly supervised by a "qualified person" as defined in 18 AAC 78.995(118).
- The Lessor agrees to allow the Lessee to close two monitoring wells on the State's property adjacent to Lessee's lot as described on the Site Diagram Figure 2 by G-Logics named GL-2 and GL-3.
- This determination expires on October 28, 2012.
- The building permit certificate expires on September 18, 2013.