

### SOUTHEAST ALASKA POWER AGENCY (SEAPA)

Tyee Lake Hydroelectric Project

SOP Version 1 Effective Date: April 7, 2020

Rev. Date: 04.07.2020 Author: SEAPA Operations Manager

# TYEE LAKE INCINERATOR RESIDUAL ASH CLEANOUT

# STANDARD OPERATING PROCEDURES (SOP)



SEAPA operates a Therm-Tec G-6 incinerator for the purpose of reducing the amount of waste needing shipped offsite for disposal.

The only types of waste that are authorized to be destroyed in the incinerator are:

- Food scraps
- Solid organic waste

Such materials may consist of up 85% moisture and 5% non-combustible solids.

ONLY SEAPA GENERATED RESIDENTIAL AND NONHAZARDOUS WASTE WILL BE CONSIDERED FOR INCINERATION.

When removing residual ash from the incinerator, the following procedure shall be adhered to:

- (1) The unit shall be shut down, allowed to cool, and tagged out as indicated below:
  - a. Incinerator Power Supplies Main Breaker is to be placed in the open position and tagged. Main Breaker is located in the incinerator building. Test fire burner ignition system to confirm burner is disabled.
  - b. As when working with any airborne dust, the residual ash should be sufficiently wetted to minimize airborne nuisance dust.
  - c. When ash removal is complete, clear tagout and place unit back into service ready state.

### Personal Protective Equipment ('PPE')

The following PPE is required when removing residual ash:

- > Eye protection (safety goggles designed to protect against airborne dust)
- > Hand protection (gloves to protect from splinters, sharp objects)
- Hard hat or bump cap

The employee may wish to consider wearing rain gear or a Tyvek suit to keep ash off the employee's clothing.

### **Respiratory Protection**

As indicated in the Sampling Report dated April 6, 2020, attached as **Appendix A** and made a part hereof, the current waste stream does not contribute to anything in the ash material that would require respiratory protection aside from a dust mask if desired for comfort.

Pursuant to Appendix D of OSHA 29 CFR 1910.134, an employee may elect to wear a negative pressure respirator when one is not required under the standard. Any employee electing to wear a respirator when one is not required under that stand will be provided a copy of Appendix D below and be required by the employer to comply with the appendix:

### Appendix D to Sec. 1910.134 (Mandatory) Information for Employees Using Respirators When Not Required Under the Standard

Respirators are an effective method of protection against designated hazards when properly selected and worn. Respirator use is encouraged, even when exposures are below the exposure limit, to provide an additional level of comfort and protection for workers. However, if a respirator is used improperly or not kept clean, the respirator itself can become a hazard to the worker. Sometimes, workers may wear respirators to avoid exposures to hazards, even if the amount of hazardous substance does not exceed the limits set by OSHA standards. If your employer provides respirator, you need to take certain precautions to be sure that the respirator itself does not present a hazard.

You should do the following:

1. Read and heed all instructions provided by the manufacturer on use, maintenance, cleaning and care, and warnings regarding the respirator's limitations.

2. Choose respirators certified for use to protect against the contaminant of concern. NIOSH, the National Institute for

Occupational Safety and Health of the U.S. Department of Health and Human Services, certifies respirators. A label or statement of certification should appear on the respirator or respirator packaging. It will tell you what the respirator is designed for and how much it will protect you.

3. Do not wear your respirator into atmospheres containing contaminants for which your respirator is not designed to protect against. For example, a respirator designed to filter dust particles will not protect you against gases, vapors, or very small solid particles of fumes or smoke.

4. Keep track of your respirator so that you do not mistakenly use someone else's respirator.

### **Standard Operation Procedure Deviations**

Any deviation from this SOP that may be dictated by conditions, or other circumstances, must be reported by the Tyee Foreman or his designee to SEAPA Management at 907.228.2281, who must be thoroughly briefed in writing, if necessary, and understood by all Tyee Lake Operators.

### Amendments and Corrections

- (1) Amendments, additions, deletions, or corrections to this SOP may be initiated by SEAPA Management as conditions warrant.
- (2) This Tyee Lake Incinerator Residual Ash Cleanout SOP supersedes and cancels all previous versions of this SOP that may have been published by SEAPA.
- (3) The SOP Change Table attached as **Appendix B** and made a part hereof shall be maintained and updated with each amendment, addition, deletion, or correction to this SOP and attached to each new version of the SOP issued by SEAPA.

Z/Operations and Maintenance/Tyee Lake /Standard Operating Procedures/Tyee Lake Incinerator Standard Operating Procedures (SOP) Effective 2020 02\_

Appendix A to Tyee Lake Incinerator SOP / Page 1 of 13 pages.



# Environment Testing TestAmerica

# **ANALYTICAL REPORT**

Eurofins TestAmerica, Seattle 5755 8th Street East Tacoma, WA 98424 Tel: (253)922-2310

## Laboratory Job ID: 580-93623-1

Client Project/Site: Tyee Lake Incinerator

### For:

Southeast Alaska Power Agency 1900 First Ave Suite 318 Ketchikan, Alaska 99901

Attn: Clay Hammer

Kristine D. allen

Authorized for release by: 4/6/2020 1:53:22 PM

Kristine Allen, Client Service Manager (253)248-4970 kristine.allen@testamericainc.com

LINKS Review your project results through TOTOLACCESS Have a Question? Ask The

Visit us at: www.testamericainc.com

Expert

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 580-93623-1

### Job ID: 580-93623-1

### Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-93623-1

### Comments

No additional comments.

#### Receipt

The sample was received on 3/21/2020 12:00 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 18.4° C.

#### **Receipt Exceptions**

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The COC lacks a relinquishment signature.

### Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

### **General Chemistry**

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 580-93623-1

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### Qualifiers

### **General Chemistry**

4 MS, MSD: The analyte present in the original sample is greater than 4 times the	matrix spike concentration; therefore, control limits are not
applicable.	
F2 MS/MSD RPD exceeds control limits	

### Glossary

Clossaly	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Appendix A to Tyee Lake Incinerator SOP / Page 5 of 13 pages. Client Sample Results

Client: Southeast Alaska Power Agency Project/Site: Tyee Lake Incinerator

Job ID: 580-93623-1

Matrix: Solid

Lab Sample ID: 580-93623-1

### Client Sample ID: Tyee Sample #1 Date Collected: 03/11/20 10:00

Date Received: 03/21/20 12:00

Method: 6010D - Metals (ICP)	) - TCLP								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.060		mg/L		03/24/20 10:45	03/25/20 18:18	1
Barium	0.39		0.020		mg/L		03/24/20 10:45	03/25/20 18:18	1
Cadmium	ND		0.020		mg/L		03/24/20 10:45	03/25/20 18:18	1
Chromium	0.036		0.025		mg/L		03/24/20 10:45	03/25/20 18:18	1
Lead	ND		0.030		mg/L		03/24/20 10:45	03/25/20 18:18	1
Selenium	ND		0.10		mg/L		03/24/20 10:45	03/25/20 18:18	1
Silver	ND		0.050		mg/L		03/24/20 10:45	03/25/20 18:18	1
Method: 7470A - Mercury (C)	/AA) - TCLP								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030		mg/L		03/24/20 10:48	03/25/20 17:44	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	95.1		0.1		%			03/24/20 10:21	1
Percent Moisture	4.9		0.1		%			03/24/20 10:21	1

5

### Appendix A to Tyee Lake Incinerator SOP / Page 6 of 13 pages. Client Sample Results

Client: Southeast Alaska Power Agency Job ID: 580-93623-1 Project/Site: Tyee Lake Incinerator Client Sample ID: Tyee Sample #1 Lab Sample ID: 580-93623-1 Date Collected: 03/11/20 10:00 Matrix: Solid Date Received: 03/21/20 12:00 Percent Solids: 95.1 **General Chemistry - Soluble** Analyte RL Result Qualifier MDL Unit D Prepared Analyzed Dil Fac ☆ 2100 04/02/20 19:36 Sulfate 3000 F2 mg/Kg 100

5

### Method: 6010D - Metals (ICP)

#### Lab Sample ID: MB 580-325416/1-B Matrix: Solid

Analysis Batch: 325665

· · · · · · · · · · · · · · · · · · ·	МВ	МВ							
	MD								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.060		mg/L		03/24/20 10:45	03/25/20 17:53	1
Barium	ND		0.020		mg/L		03/24/20 10:45	03/25/20 17:53	1
Cadmium	ND		0.020		mg/L		03/24/20 10:45	03/25/20 17:53	1
Chromium	ND		0.025		mg/L		03/24/20 10:45	03/25/20 17:53	1
Lead	ND		0.030		mg/L		03/24/20 10:45	03/25/20 17:53	1
Selenium	ND		0.10		mg/L		03/24/20 10:45	03/25/20 17:53	1
Silver	ND		0.050		mg/L		03/24/20 10:45	03/25/20 17:53	1

### Lab Sample ID: LCS 580-325416/2-B

Matrix: Solid Analysis Batch: 325665

Analysis Batch: 323005							Ргер Ба	CII: 325400
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	1.00	0.964		mg/L		96	80 - 120	
Barium	1.00	0.805		mg/L		81	80 - 120	
Cadmium	1.00	0.992		mg/L		99	80 - 120	
Chromium	1.00	0.958		mg/L		96	80 <sub>-</sub> 120	
Lead	1.00	0.972		mg/L		97	80 - 120	
Selenium	1.00	1.01		mg/L		101	80 - 120	
Silver	1.00	0.924		mg/L		92	80 <sub>-</sub> 120	

### Lab Sample ID: LCSD 580-325416/3-B Matrix: Solid

Analysis Batch: 325665						Prep I	Batch: 3	25468
	Spike	LCSD	LCSD			%Rec.		RPD
Analyte	Added	Result	Qualifier U	nit D	%Rec	Limits	RPD	Limit
Arsenic	1.00	0.964	m	g/L	96	80 - 120	0	20
Barium	1.00	0.812	m	g/L	81	80 - 120	1	20
Cadmium	1.00	0.988	m	g/L	99	80 - 120	0	20
Chromium	1.00	0.954	m	g/L	95	80 - 120	0	20
Lead	1.00	0.974	m	g/L	97	80 - 120	0	20
Selenium	1.00	0.995	m	g/L	100	80 - 120	1	20
Silver	1.00	0.920	m	g/L	92	80 - 120	0	20

### Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 580-325469/8-A Matrix: Solid Analysis Batch: 325557	мв	мв								Client Sa	mple ID: Metho Prep Type: <sup>-</sup> Prep Batch	Total/NA
Analyte	Result	Qualifier	RL		MDL	Unit		D	Р	repared	Analyzed	Dil Fac
Mercury	ND		0.00030			mg/L		_	03/2	4/20 10:48	03/25/20 17:23	1
Lab Sample ID: LCS 580-325469/9-A								С	lient	Sample	ID: Lab Control	Sample
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 325557											Prep Batch	: 325469
			Spike	LCS	LCS						%Rec.	
Analyte			Added	Result	Qual	ifier	Unit		D	%Rec	Limits	
Mercury			0.00200	0.00207			mg/L			104	80 - 120	

Job ID: 580-93623-1

### **Client Sample ID: Method Blank** Prep Type: TCLP Prep Batch: 325468

**Client Sample ID: Lab Control Sample** Prep Type: TCLP Prep Batch: 325468

Prep Type: TCLP

Client Sample ID: Lab Control Sample Dup

5 6

Eurofins TestAmerica, Seattle

Lab Sample ID: 580-93623-1 DU

Matrix: Solid

Sulfate

Job ID: 580-93623-1

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1

ient Sample ID: Method Blank
Prep Type: Soluble

04/02/20 19:01

Method: 7470A - Mercury (CVAA) -		,										
Lab Sample ID: LCSD 580-325469/10-A	<b>L</b>						Client S	Sam	i <mark>ple ID:</mark> I	Lab Control	Sampl	e Dup
Matrix: Solid										Prep Ty	ype: To	tal/N/
Analysis Batch: 325557										Prep E	atch: 3	25469
			Spike	LCSD	LCSD					%Rec.		RPD
Analyte			Added	Result	Qualifie	r Unit		D	%Rec	Limits	RPD	Limi
Mercury			0.00200	0.00204		mg/l	-	_	102	80 - 120	1	20
Method: 300.0 - Anions, Ion Chro	matogr	aphy										
Lab Sample ID: MB 580-326054/1-A									Client S	ample ID: N	/lethod	Blanl
Matrix: Solid										Prep 1	Type: S	oluble
Analysis Batch: 326151												
-	МВ	МВ										
Analyte	Result	Qualifier		RL	MDL U	it	D	P	repared	Analyze	∋d	Dil Fac

ND

Lab Sample ID: LCS 580-326054/2-A Matrix: Solid Analysis Batch: 326151					Client	Sample		ntrol Sample <sup>-</sup> ype: Soluble
······ <b>,···</b> ···························	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Sulfate	500	498		mg/Kg		100	90 _ 110	
Lab Sample ID: LCSD 580-326054/3-A Matrix: Solid Analysis Batch: 326151				Clie	nt Sam	nple ID:		Sample Dup ype: Soluble
	Spike	LCSD	LCSD				%Rec.	RPD

20

mg/Kg

Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Sulfate	500	491		mg/Kg		98	90 - 110	2	15

Lab Sample ID: 580-93623-1 MS							CI	ient Sam	ple ID: Tyee Sample #1
Matrix: Solid									Prep Type: Soluble
Analysis Batch: 326151									
	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits

Sulfate	3000 F2	522	3750 4	mg/Kg	<del>\\\\</del>	135	90 - 110		
Lab Sample ID: 580-93623-1 MSD					С	lient Sar	nole ID: Tv	e Samı	ole #1

Lab Sample ID. 500-55025-1 W	150						U U	nent Sa	inple iD. Ty	ee Sam	pie #1
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 326151											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Sulfate	3000	F2	525	4600	4 F2	mg/Kg	\ ↓	296	90 - 110	20	15

<b>Client Sample</b>	ID:	Туе	e Sa	mple	#1
	Pre	р Т	ype:	Solu	ble

Analysis Batch: 326151							-		
	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D		RPD	Limit
Sulfate	3000	F2	 3070		mg/Kg	¢	 	0.8	10

### Appendix A to Tyee Lake Incinerator SOP / Page 9 of 13 pages. Lab Chronicle

Client: Southeast Alaska Power Agency Project/Site: Tyee Lake Incinerator

Job ID: 580-93623-1

Matrix: Solid

Lab Sample ID: 580-93623-1

### Client Sample ID: Tyee Sample #1 Date Collected: 03/11/20 10:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
TCLP	Leach	1311			325416	03/23/20 14:52	ТМН	TAL SEA
TCLP	Prep	3010A			325468	03/24/20 10:45	ART	TAL SEA
TCLP	Analysis	6010D		1	325665	03/25/20 18:18	ТМН	TAL SEA
TCLP	Leach	1311			325416	03/23/20 14:52	ТМН	TAL SEA
TCLP	Prep	7470A			325469	03/24/20 10:48	ART	TAL SEA
TCLP	Analysis	7470A		1	325557	03/25/20 17:44	ТМН	TAL SEA
Total/NA	Analysis	2540G		1	325466	03/24/20 10:21	HBP	TAL SEA
lient Samp	ole ID: Tyee S	Sample #1					La	ab Sample ID: 580-93623-
ate Collected	1: 03/11/20 10:0	0						Matrix: Soli
ate Received	I: 03/21/20 12:0	0						Percent Solids: 95.
	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
-					200054	04/02/20 12:19	AAC	TAL SEA
Soluble	Leach	DI Leach			326054	04/02/20 12.19	AAC	TAL SEA

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Eurofins TestAmerica, Seattle

### Job ID: 580-93623-1

### Laboratory: Eurofins TestAmerica, Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-024	01-14-22
ANAB	Dept. of Defense ELAP	L2236	01-19-22
ANAB	ISO/IEC 17025	L2236	01-20-23
California	State	2901	11-05-20
Montana (UST)	State	NA	04-13-21
Oregon	NELAP	WA100007	11-06-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C553	02-18-21

Eurofins TestAmerica, Seattle

Appendix A to Tyee Lake Incinerator SOP / Page 11 of 13 pages. Sample Summary

Client: Southeast Alaska Power Agency Project/Site: Tyee Lake Incinerator Job ID: 580-93623-1

	Sample ID Client Sample ID	Matrix	Collected	Received	
580-93623-1 Tyee Sample #1 Solid 03/11/20 10:00 03/21/20 12:00	-93623-1 Tyee Sample #1	Solid	03/11/20 10:00	03/21/20 12:00	

### Eurofins TestAmerica, Seattle

### Appendix A to Tyee Lake Incinerator SOP / Page 12 of 13 pages.

5755 8th Street East Tacoma, WA 98424 Phone (253) 922-2310 Fax (253) 922-5047

# **Chain of Custody Record**

eurofins Environment Testing TestAmerica

Client Information	Sampler: Barry Haskell	gegebenete Gegebenete	a a star a subby		PM:			-				Сап	ier Tra	cking	No(s):	•		COC No:		
Client Contact: Clay Hammer Operations Manager	Phone: 907-228-2281																	Page:		
Company: Southeast Alaska Power Agency	ar ya ang na ang	errand (1997)		an series and					Ana	lysis	Rec	lnes	sted					Job #: 93	623	
Address: 1900 First Avenue, Suite 318	Due Date Reques	ited;									Τ					Τ		Preservation	Codes:	
City: Ketchikan AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	TAT Requested (	days):																A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3	
Phone: 907-228-2281	PO#:																	F - MeOH G - Amchlor H - Ascorbic Ac	R - Na2S2O3 S - H2SO4 Id T - TSP Dodecahy	drata
Email: <u>chammer@seapahydro.org</u>	WO #:				-N IS												9	I - ice J - Di Water	U - Acetone V - MCAA	100
Project Name: Tyee Lake Incinerator (1994) - A A A Shi	Project #:																ainer	K - EDTA L - EDA	W - pH 4-5 Z - other (specify)	
Site:	SSOW#:				Sorge												of con			
		Sample	Type (C=comp, c	Matrix (w=water, s=solid, )=waste/oil,	Field Filtered Sam Perform MS/MSO	TCLP RCRA 8	Total Sulfate										Total Number			
Sample Identification	Sample Date	Time	G=grab) <sub>B⊺∗</sub> Preservatio	Tissue, A=Air) n Code:	Ξđ XX	Ĭ	<u> </u> ₽										Å.	Special	Instructions/Note	
Tyee Sample #1	3/11/20	10:00 AM	G	S		X	×	9695189228	1992904 26469		49.62.639.74	190304420	Section 2			2004	Ť			12120049283
					П				1					-		T				
Cooler Dsc: BeX Packing:	 pr: <u> 4. 4</u> • 1 FedE	nc: <b>14.2</b>																		
Packing:	UPS:	'out:			-					<u> </u>		_	<u></u>							
Packing: Cust. Seal: YesN Blue Ice, Wet, Dry,	ane Other	our: 																		
·					-	-				-		_		5	580-9	3623	3 Cha	in of Custody		
Possible Hazard Identification						mple	Disp	osal i	Afe	may	be as	ses	 sed if	 san			retain	ed longer thar	1 month)	
Non-Hazard Flammable Skin Irritant Poisc	n B 🗔 Unkno		adiological		[	$\square_{Re}$	eturn	To Cli	ient								Archi	ive For	Months	
Deliverable Requested: I, II, III, IV, Other (specify)					Sp	ecial	Instru	ctions	VQC F	Require	ement	S:								
Empty Kit Relinquished by:		Date:			Time:							٨	lethod	of Sh	ipmen	t:				
Relinquished by:	Date/Time:		Com	pany		Recei	ived by	Z	ing	H	bo	_		D	3 <sup>.//i</sup>	21:	20	1200	Tasea	
Relinquished by.	Date/Time:		Com	pany		Rece	ved by		v						ate/Tin				Company	
Relinquished by:	Date/Time:		Com	pany		Recei	ved by:	:						D	ate/Tin	ie:			Company	
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No		ersen sing			Ne Ne	Coole	r Temp	eraturi	e(s) °C	and Oth	er Ren	narks:			1941					

### Login Sample Receipt Checklist

Client: Southeast Alaska Power Agency

### Login Number: 93623 List Number: 1

Creator: Blankinship, Tom X

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Refer to Job Narrative for details.
Cooler Temperature is acceptable.	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	COC not relinquished.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Job Number: 580-93623-1

List Source: Eurofins TestAmerica, Seattle

### APPENDIX B TO TYEE LAKE HYDROELECTRIC PROJECT TYEE LAKE INCINERATOR STANDARD ASH CLEANOUT STANDARD OPERATING PROCEDURE (SOP)

### SOP CHANGE TABLE

Date of Change	SOP Version	Page Changed	Reason for Change
onango	, croioin	enangea	