ANALYTICA

Cooler Receipt Form

Client: Kennecott Greens Creek Min Client Code: 012040 Order #: J0306206
Project: NPDES Quarterly Seawater

Cooler ID: 1

A. Preliminary Examination Phase: Date cooler opened: 6/18/2003
Cooler opened by: KS Signature: Kevin Schroeder

1. Was airbill Attached? No Airbill #: Carrier Name: Client
2. Custody Seals? Yes How many? 1 Location: Cooler Seal Name: TM
3. Seals intact? Yes
4. Screened for radiation? No
5. COC Attached? Yes Properly Completed? Yes Signed by AEL employee? Yes
6. Project Identification from custody paper: NPDES Quarterly Seawater
7. Preservative: BlueGel Temperature: 9.3

Designated person initial here to acknowledge receipt: Kevin Schroeder Date: 6/24/03

COMMENTS:

B. Log-In Phase: Samples Log-in Date: 6/24/2003 Log-in By: DW Signature:

1. Packing Type: Other
2. Were samples in separate bags? Yes
3. Were containers intact? Yes Labels agree with COC? Yes
4. Number of bottles received: 8 Number of samples received: 4
5. Correct containers used? Yes Correct preservatives added? Yes
6. Sufficient sample volume? Yes
7. Bubbles in VOA samples? N/A
8. Was Project manager called and status discussed? No
9. Was anyone called? No Who was called? _____ By whom? _____ Date: _____

COMMENTS:

July 24, 2003

Battelle
. . . Putting Technology To Work

Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Telephone: (360) 681-3627
Facsimile: (360) 681-3699

Mr. Bill Oelklaus
Kennecott Greens Creek
P.O. Box 32199
Juneau, AK 99803-2199

Dear Bill:

Enclosed are the results for trace metals in Green's Creek (Hawk Inlet) seawater samples received on June 19, 2003. Holding times were met for all samples. The acceptable cooler temperature range was met as the samples were preserved in the field.

These results are comparable to past results and indicate mining activities are not contributing to ambient metal concentrations. The SRM and duplicate results were within Battelle's default criteria of ±20%, except CASS-4 for Zn, Cd and Pb. If these SRM results are blank corrected the Zn, Cd and Pb falls within acceptable criteria (15%, 1%, and 9% difference, respectively). SRM 1640 results are provided for Cd and Pb to show the instrument was operating properly and recoveries were within the acceptable criteria. SRM 1640 results are not shown for Zn because the results for this metal were reprocessed using the method of standard addition. No corrective action was taken. Matrix spikes were within our criteria of ±25% for all metals. Duplicate results were within the criteria of ±20%, except Zn. Results comparing metal concentrations in samples collected in bottles that contained acid for a period of approximately 3 months versus those that did not contain acid until the sample was collected showed an overall increase in the bottles with acid. Although the difference was not significant, it would be better for us to send acid vials along with the sample bottles to allow preservation when the sample is collected.

The field blank was provided as part of the requirement for your permit. Results have been included in the accompanying report. Lab blank results were comparable. I have sent electronic copies of the data via email.

A cost breakdown has been included with these data and appears in Table 1. Our contracts department will send you an invoice for these costs shortly. If you have any questions or comments concerning the data or cost breakdowns, please don't hesitate to contact me at 360-681-3627 or email: l.bingler@pnl.gov at anytime. These samples will be disposed of on August 15th, unless otherwise advised by you.

Clearance of CHEMISTRY DATA REPORTS

Marine Sciences Laboratory **Sequim, WA 98382**	Date Requested: 7/24/2003 Data Entry: LSB

CHEMICAL ANALYSES OF: Metals in Water

803GC

Lead Author: Linda S. Bingler	Other Authors (if applicable)

Green's Creek Seawater - second quarter 2003

I HAVE READ THE ATTACHED DOCUMENT(S)

Author: Linda S. Bingler Date Linda S. Bingler 7/24/03	**I certify that this data is in compliance with requirements specified in NPDES Permit No. AK-004320-6.**
QA Reviewer: D. Coffey Date Deborah S. Coffey 7/24/03	Martin L. Miller for RM Ecker 7/24/03 **Richard M. Ecker** **Date**
Peer Reviewer: Date Eric A Prescher 7/24/03	

RETURN COMPLETED FORM, ALONG WITH FINAL TABLE REPORT TO:

DATA ENTRY or AUTHOR
Linda Bingler

COMMENTS:

BATTELLE MARINE SCIENCES LABORATORY
1529 W. Sequim Bay Road
Sequim, WA 98382
(360) 683-4151

Report Date: 7/24/03

TRACE METAL CONCENTRATIONS IN GREENS CREEK SEAWATER SAMPLES

Samples received: 6/19/03

(concentrations in μg/L (not blank corrected))

Lab ID	Lab Sample Number	Sample Identifier	Sampling Date	Date Received	Date Analyzed	Parameter Number	Analysis Method	Value	Detection Limit	Parameter Description	Flag	Sample Description	RPD	Percent Recovery	Flag
SAMPLE RESULTS															
MSL	803GC*246	104-5'	6/18/03	6/19/03	7/1/03	1119	1640m	0.464	0.027	TRM Cu-ICP/MS		Sample	N/A	N/A	
MSL	803GC*246	104-5'	6/18/03	6/19/03	7/1/03	1094	1640m	1.25	0.200	TRM Zn-ICP/MS		Sample	N/A	N/A	
MSL	803GC*246	104-5'	6/18/03	6/19/03	7/1/03	1113	1640m	0.0733	0.025	TRM Cd-ICP/MS		Sample	N/A	N/A	
MSL	803GC*246	104-5'	6/18/03	6/19/03	7/1/03	1114	1640m	0.106	0.007	TRM Pb-ICP/MS		Sample	N/A	N/A	
MSL	803GC*246	104-5'	6/18/03	6/19/03	6/26/03	71900	1631m	0.000857	0.0003	Total Hg-CVAF		Sample	N/A	N/A	
MSL	803GC*247	106-5'	6/18/03	6/19/03	7/1/03	1119	1640m	0.404	0.027	TRM Cu-ICP/MS		Sample	N/A	N/A	
MSL	803GC*247	106-5'	6/18/03	6/19/03	7/1/03	1094	1640m	2.02	0.200	TRM Zn-ICP/MS	U	Sample	N/A	N/A	
MSL	803GC*247	106-5'	6/18/03	6/19/03	7/1/03	1113	1640m	0.0602	0.025	TRM Cd-ICP/MS		Sample	N/A	N/A	
MSL	803GC*247	106-5'	6/18/03	6/19/03	7/1/03	1114	1640m	0.311	0.007	TRM Pb-ICP/MS	U	Sample	N/A	N/A	
MSL	803GC*247	106-5'	6/18/03	6/19/03	6/26/03	71900	1631m	0.00184	0.0003	Total Hg-CVAF		Sample	N/A	N/A	
MSL	803GC*248	107-5'	6/18/03	6/19/03	7/1/03	1119	1640m	0.440	0.027	TRM Cu-ICP/MS		Sample	N/A	N/A	
MSL	803GC*248	107-5'	6/18/03	6/19/03	7/1/03	1094	1640m	1.31	0.200	TRM Zn-ICP/MS		Sample	N/A	N/A	
MSL	803GC*248	107-5'	6/18/03	6/19/03	7/1/03	1113	1640m	0.0746	0.025	TRM Cd-ICP/MS		Sample	N/A	N/A	
MSL	803GC*248	107-5'	6/18/03	6/19/03	7/1/03	1114	1640m	0.142	0.007	TRM Pb-ICP/MS		Sample	N/A	N/A	
MSL	803GC*248	107-5'	6/18/03	6/19/03	6/26/03	71900	1631m	0.000687	0.0003	Total Hg-CVAF		Sample	N/A	N/A	
MSL	803GC*249	108-5'	6/18/03	6/19/03	7/1/03	1119	1640m	0.478	0.027	TRM Cu-ICP/MS		Sample	N/A	N/A	
MSL	803GC*249	108-5'	6/18/03	6/19/03	7/1/03	1094	1640m	1.66	0.200	TRM Zn-ICP/MS		Sample	N/A	N/A	
MSL	803GC*249	108-5'	6/18/03	6/19/03	7/1/03	1113	1640m	0.0778	0.025	TRM Cd-ICP/MS		Sample	N/A	N/A	
MSL	803GC*249	108-5'	6/18/03	6/19/03	7/1/03	1114	1640m	0.176	0.007	TRM Pb-ICP/MS	U	Sample	N/A	N/A	
MSL	803GC*249	108-5'	6/18/03	6/19/03	6/26/03	71900	1631m	0.000988	0.0003	Total Hg-CVAF		Sample	N/A	N/A	
MSL	803GC*250	104-5'	6/18/03	6/19/03	7/1/03	1119	1640m	0.425	0.027	TRM Cu-ICP/MS		Sample	N/A	N/A	
MSL	803GC*250	104-5'	6/18/03	6/19/03	7/1/03	1094	1640m	1.07	0.200	TRM Zn-ICP/MS		Sample	N/A	N/A	
MSL	803GC*250	104-5'	6/18/03	6/19/03	7/1/03	1113	1640m	0.0748	0.025	TRM Cd-ICP/MS		Sample	N/A	N/A	
MSL	803GC*250	104-5'	6/18/03	6/19/03	7/1/03	1114	1640m	0.100	0.007	TRM Pb-ICP/MS		Sample	N/A	N/A	
MSL	803GC*250	104-5'	6/18/03	6/19/03	6/26/03	71900	1631m	0.421	0.0003	Total Hg-CVAF		Sample	N/A	N/A	
MSL	803GC*251	106-5'	6/18/03	6/19/03	7/1/03	1119	1640m	0.359	0.027	TRM Cu-ICP/MS		Sample	N/A	N/A	
MSL	803GC*251	106-5'	6/18/03	6/19/03	7/1/03	1094	1640m	1.50	0.200	TRM Zn-ICP/MS	U	Sample	N/A	N/A	
MSL	803GC*251	106-5'	6/18/03	6/19/03	7/1/03	1113	1640m	0.0705	0.025	TRM Cd-ICP/MS		Sample	N/A	N/A	
MSL	803GC*251	106-5'	6/18/03	6/19/03	7/1/03	1114	1640m	0.169	0.007	TRM Pb-ICP/MS	U	Sample	N/A	N/A	
MSL	803GC*251	106-5'	6/18/03	6/19/03	6/26/03	71900	1631m	0.000713	0.0003	Total Hg-CVAF		Sample	N/A	N/A	
MSL	803GC*252	107-5'	6/18/03	6/19/03	7/1/03	1119	1640m	0.385	0.027	TRM Cu-ICP/MS		Sample	N/A	N/A	
MSL	803GC*252	107-5'	6/18/03	6/19/03	7/1/03	1094	1640m	1.34	0.200	TRM Zn-ICP/MS		Sample	N/A	N/A	
MSL	803GC*252	107-5'	6/18/03	6/19/03	7/1/03	1113	1640m	0.0729	0.025	TRM Cd-ICP/MS		Sample	N/A	N/A	

BATTELLE MARINE SCIENCES LABORATORY
1529 W. Sequim Bay Road
Sequim, WA 98382
(360) 683-4151

Report Date: 7/24/03

TRACE METAL CONCENTRATIONS IN GREENS CREEK SEAWATER SAMPLES

Samples received: 6/19/03

(concentrations in μg/L (not blank corrected))

Lab ID	Lab Sample Number	Sample Identifier	Sampling Date	Date Received	Date Analyzed	Parameter Number	Analysis Method	Value	Detection Limit	Parameter Description	Flag	Sample Description	RPD	Percent Recovery	Flag
SAMPLE RESULTS															
MSL	803GC*252	107-5'	6/18/03	6/19/03	7/1/03	1114	1640m	0.110	0.007	TRM Pb-ICP/MS		Sample	N/A	N/A	
MSL	803GC*252	107-5'	6/18/03	6/19/03	6/26/03	71900	1631m	0.0188	0.0003	Total Hg-CVAF		Sample	N/A	N/A	
MSL	803GC*253	108-5'	6/18/03	6/19/03	7/1/03	1119	1640m	0.391	0.027	TRM Cu-ICP/MS		Sample	N/A	N/A	
MSL	803GC*253	108-5'	6/18/03	6/19/03	7/1/03	1094	1640m	0.864	0.200	TRM Zn-ICP/MS		Sample	N/A	N/A	
MSL	803GC*253	108-5'	6/18/03	6/19/03	7/1/03	1113	1640m	0.0741	0.025	TRM Cd-ICP/MS		Sample	N/A	N/A	
MSL	803GC*253	108-5'	6/18/03	6/19/03	7/1/03	1114	1640m	0.125	0.007	TRM Pb-ICP/MS	U	Sample	N/A	N/A	
MSL	803GC*253	108-5'	6/18/03	6/19/03	6/26/03	71900	1631m	0.00109	0.0003	Total Hg-CVAF		Sample	N/A	N/A	
MSL	803GC*254	Field Blank	6/18/03	6/19/03	7/1/03	1119	1640m	0.459	0.027	TRM Cu-ICP/MS		Sample	N/A	N/A	
MSL	803GC*254	Field Blank	6/18/03	6/19/03	7/1/03	1094	1640m	1.27	0.200	TRM Zn-ICP/MS		Sample	N/A	N/A	
MSL	803GC*254	Field Blank	6/18/03	6/19/03	7/1/03	1113	1640m	0.0614	0.025	TRM Cd-ICP/MS	U	Sample	N/A	N/A	
MSL	803GC*254	Field Blank	6/18/03	6/19/03	7/1/03	1114	1640m	0.0377	0.007	TRM Pb-ICP/MS		Sample	N/A	N/A	
MSL	803GC*254	Field Blank	6/18/03	6/19/03	6/26/03	71900	1631m	0.000786	0.0003	Total Hg-CVAF		Sample	N/A	N/A	
MSL	803GC*256	Lab Blank	6/18/03	6/19/03	7/1/03	1119	1640m	0.429	0.027	TRM Cu-ICP/MS		Sample	N/A	N/A	
MSL	803GC*256	Lab Blank	6/18/03	6/19/03	7/1/03	1094	1640m	1.62	0.200	TRM Zn-ICP/MS		Sample	N/A	N/A	
MSL	803GC*256	Lab Blank	6/18/03	6/19/03	7/1/03	1113	1640m	0.0614	0.025	TRM Cd-ICP/MS	U	Sample	N/A	N/A	
MSL	803GC*256	Lab Blank	6/18/03	6/19/03	7/1/03	1114	1640m	0.0388	0.007	TRM Pb-ICP/MS		Sample	N/A	N/A	
MSL	803GC*256	Lab Blank	6/18/03	6/19/03	6/26/03	71900	1631m	0.000457	0.0003	Total Hg-CVAF		Sample	N/A	N/A	
PROCEDURAL BLANK															
MSL	Blank	N/A	N/A	N/A	7/1/03	1119	1640m	0.156	0.027	TRM Cu-ICP/MS		Blank	N/A	N/A	
MSL	Blank	N/A	N/A	N/A	7/1/03	1094	1640m	0.275	0.200	TRM Zn-ICP/MS		Blank	N/A	N/A	
MSL	Blank	N/A	N/A	N/A	7/1/03	1113	1640m	0.00762	0.025	TRM Cd-ICP/MS	U	Blank	N/A	N/A	
MSL	Blank	N/A	N/A	N/A	7/1/03	1114	1640m	0.027	0.007	TRM Pb-ICP/MS	U	Blank	N/A	N/A	
MSL	Blank	N/A	N/A	N/A	6/26/03	71900	1631m	0.000105	0.0003	Total Hg-CVAF	U	Blank	N/A	N/A	
CERTIFIED REFERENCE MATERIAL RESULTS															
MSL	CASS-4	N/A	N/A	N/A	7/1/03	1119	1640m	0.689	0.027	TRM Cu-ICP/MS		SRM	16%	N/A	
MSL	CASS-4	N/A	N/A	N/A	7/1/03	1094	1640m	0.659	0.200	TRM Zn-ICP/MS		SRM	73%	N/A	#
MSL	CASS-4	N/A	N/A	N/A	7/1/03	1113	1640m	0.0374	0.025	TRM Cd-ICP/MS		SRM	44%	N/A	#
MSL	CASS-4	N/A	N/A	N/A	7/1/03	1114	1640m	0.0359	0.007	TRM Pb-ICP/MS		SRM	266%	N/A	#
MSL	1640	N/A	N/A	N/A	7/1/03	1113	1640m	23.9	0.025	TRM Cd-ICP/MS		SRM	5%	N/A	
MSL	1640	N/A	N/A	N/A	7/1/03	1114	1640m	27.2	0.007	TRM Pb-ICP/MS		SRM	3%	N/A	
MSL	1641d	N/A	N/A	N/A	6/26/03	71900	1631m	1475	0.0003	Total Hg-CVAF		SRM	7%	N/A	

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(360) 683-4151

Report Date: 7/24/03

TRACE METAL CONCENTRATIONS IN GREENS CREEK SEAWATER SAMPLES

Samples received: 6/19/03

(concentrations in μg/L (not blank corrected))

Lab ID	Lab Sample Number	Sample Identifier	Sampling Date	Date Received	Date Analyzed	Parameter Number	Analysis Method	Value	Detection Limit	Parameter Description	Flag	Sample Description	RPD	Percent Recovery	Flag
MATRIX SPIKE RESULTS (mean)															
MSL	803GC*246	104-5'	6/18/03	6/19/03	7/1/03	1119	1640m	2.19	0.027	TRM Cu-ICP/MS		MS	N/A	90%	
MSL	803GC*246	104-5'	6/18/03	6/19/03	7/1/03	1094	1640m	3.29	0.200	TRM Zn-ICP/MS		MS	N/A	102%	
MSL	803GC*246	104-5'	6/18/03	6/19/03	7/1/03	1113	1640m	1.83	0.025	TRM Cd-ICP/MS		MS	N/A	88%	
MSL	803GC*246	104-5'	6/18/03	6/19/03	7/1/03	1114	1640m	2.08	0.007	TRM Pb-ICP/MS		MS	N/A	88%	
MSL	803GC*248	107-5'	6/18/03	6/19/03	6/26/03	71900	1631m	0.0167	0.0003	Total Hg-CVAF		MS	N/A	105%	
REPLICATE RESULTS															
MSL	803GC*247	106-5'	6/18/03	6/19/03	7/1/03	1119	1640m	0.392	0.027	TRM Cu-ICP/MS		Duplicate	3%	N/A	
MSL	803GC*247	106-5'	6/18/03	6/19/03	7/1/03	1094	1640m	2.94	0.200	TRM Zn-ICP/MS		Duplicate	37%	N/A	#
MSL	803GC*247	106-5'	6/18/03	6/19/03	7/1/03	1113	1640m	0.0676	0.025	TRM Cd-ICP/MS		Duplicate	12%	N/A	
MSL	803GC*247	106-5'	6/18/03	6/19/03	7/1/03	1114	1640m	0.334	0.007	TRM Pb-ICP/MS		Duplicate	7%	N/A	
MSL	803GC*248	107-5'	6/18/03	6/19/03	6/26/03	71900	1631m	0.000798	0.0003	Total Hg-CVAF		Duplicate	15%	N/A	

# = Outside QC limits.
U = Not detected at or above the detection limit.
N/A = Not applicable/analyzed.

LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: 803 Sample No(s): 246-254 Project Manager: Bungler

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: Seawater WP# 459822

Yes	No	
	X	Navy-type Project (requires high-level sample tracking procedures)
	X	Filter Samples: Amount: Entire sample Half of sample
	X	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
	X	Special instructions:

Sample Preservation Instructions:

Date To Archive: Date To Dispose: See Lims

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
X			Was a custody seal present?
X			Was the custody seal intact?
X			Was cooler(s) temperature(s) within acceptable range of 4±2°C? #1 4.7 °C (if multiple coolers, note temp. of each) #2 2.9 °C
		X	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
X			Were all chain of custody forms signed and dated?
	X		Were samples filtered at MSL?

Sample condition(s): Acceptable Other (explain)

Container type: Teflon Poly Glass Spex Other

Notes:

Completed By: [signature] Date/Time: 06/19/03 1300

SAMPLE PRESERVATION

	Sample(s) were preserved at MSL
X	Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
	Random pH checked for ~10% of samples (use dip paper) Sample IDs:
	Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:			Notes:
		0.2% HNO3	
		0.5% HCl (Hg samples)	
		Refrigerate/Freeze	
		Other	

Completed By: [signature] Date/Time: 06/19/03 1300

Revsed 031303

cc: Project Manager/Central File
Login File 803

SAMPLE LOGIN
(SOP# MSL-A-001)

Project Manager: Blinger
Date Received: 06/19/03
Batch: 36

PROJECT: Kennecott Minerals

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS
104-5'	NA	803-246	water	Prep Lab K-1	metals	06/18/03	MLFM
106-5'	NA	803-247	water	Prep Lab K-1	metals	06/18/03	MLFM
107-5'	NA	803-248	water	Prep Lab K-1	metals	06/18/03	MLFM
108-5'	NA	803-249	water	Prep Lab K-1	metals	06/18/03	MLFM
Acid for above samples sent in sample bottles							
104-5'	NA	803-250	water	Prep Lab K-1	metals	06/18/03	MLFM
106-5'	NA	803-251	water	Prep Lab K-1	metals	06/18/03	MLFM
107-5'	NA	803-252	water	Prep Lab K-1	metals	06/18/03	MLFM
108-5'	NA	803-253	water	Prep Lab K-1	metals	06/18/03	MLFM
Field Blank	NA	803-254	water	Prep Lab K-1	metals	06/18/03	MLFM
Acid for above samples sent in separate vials							

Kennecott Minerals

LGN:
CSN:

Chain of Custody Record / Analysis Request

Company Name:	K.G.C.M.C. Greens Creek Mine
Company Address:	P.O.Box 32199 Juneau, AK 99803
Telephone:	(907) 790-8472 / 8473 / 8470
Fax:	(907) 790-8478 or 789-8119
Project Name:	NPDES Quarterly Seawater
Report To:	Bill Oelklaus
Sampler:	M. Morales, S. Hutson
P.O.Number	

Sample I.D.	Date Collected	Time Collected	Matrix Water / Soil	# Containers 1lt. White	1lt. Green	500ml. Red		Metals										pH < 2	RUSH (see below)	LAB I.D.
803-246 104-5'	06-18-03	11:48	Water	1				x												
247 106-5'	06-18-03	10:45	Water	1				x												
248 107-5'	06-18-03	11:20	Water	1				x												
803-249 108-5'	06-18-03	11:00	Water	1				x												
acid sent in Bottles																				

Comments: Bottles receiced in March 2003

Lab sent to: Battelle Marine Science Lab

Deliverables

- [ ] Level 1
- [ ] ADEC Format
- [ ] ACOE
- [ ] Other:_____
- [ ] EDD-Format:_____Specify

Turnaround Time

- [ ] 2 Business Days
- [ ] 5 Business Days
- [ ] 10-15 Business Days
- [ ] Other:_____# Business Days

RELINQUISHED BY SAMPLER:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	Condition of Sample Containers:
Signature: M. T. Morales	Signature: [illegible]	Signature:	Signature:	Temp Received: _____ °C
Printed Name: M.T. Morales	Printed Name: HLF H'Gahan	Printed Name:	Printed Name:	# of Coolers: _____
Firm: KGCMC	Firm: HSL	Firm:	Firm:	Seals Intact: _____
Date / Time: 06-18-03 18:40	Date / Time: 06/19/03 1300	Date / Time:	Date / Time:	Page _____ of _____

Kennecott Minerals

RECEIVED
NOV 26 2003

LGN:
CSN:

Chain of Custody Record / Analysis Request

Company Name: K.G.C.M.C. Greens Creek Mine

Company Address: P.O.Box 32199 Juneau, AK 99803

Telephone: (907) 790-8472 / 8473 / 8470
Fax: (907) 790-8478 or 789-8119

Project Name: NPDES Quarterly Seawater

Report To: Bill Oelklaus

Sampler: M. Morales, S. Hutson

P.O.Number

Sample I.D.		Date Collected	Time Collected	Matrix Water / Soil	# Containers 1lt. White	1lt. Green	500ml. Red		Metals										pH < 2	RUSH (see below)	LAB I.D.
803-250	104- 5'	06-18-03	11:48	Water	1				x												
251	106-5'	06-18-03	10:45	Water	1				x												
252	107-5'	06-18-03	11:20	Water	1				x												
253	108-5'	06-18-03	11:00	Water	1				x												
803-254	Field Blank	06-18-03	11:53	Water	1				x												
	acid sent in vials																				

Comments:

Lab sent to: Battelle Marine Science Lab

Deliverables
- [ ] Level 1
- [ ] ADEC Format
- [ ] ACOE
- [ ] Other:_____
- [ ] EDD-Format:_____Specify

Turnaround Time
- [ ] 2 Business Days
- [ ] 5 Business Days
- [ ] 10-15 Business Days
- [ ] Other:_____# Business Days

RELINQUISHED BY SAMPLER:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	Condition of Sample Containers:
Signature: M.T. Morales	Signature: [illegible]	Signature:	Signature:	Temp Received: _____ °C
Printed Name: M.T. Morales	Printed Name: MLF McGahan	Printed Name:	Printed Name:	# of Coolers: _____
Firm: KGCMC	Firm: MSL	Firm:	Firm:	Seals Intact: _____
Date / Time: 06-18-03 @ 18:40	Date / Time: 06/19/03 1300	Date / Time:	Date / Time:	Page _____ of _____