Kennecott Greens Creek Mining Company
P.O. Box 32199
Juneau, Alaska 99803-2199
(907) 789-8100
FAX (907) 789-8108 (Island)

DEC 2 2 2003

19 December 2003

Kennecott
Minerals

Director, Office Of Water
Region 10
U.S. Environmental Protection Agency
1200 Sixth Avenue, OW-133
Seattle, WA 98101

RE: Third Quarter 2003 Receiving Water DMRs: NPDES Permit # AK-004320-6

Dear Sir:

Attached please find the Third Quarter 2003 Receiving Water Discharge Monitoring Reports (DMRs) from Kennecott Greens Creek Mining Company (KGCMC) for NPDES Permit Number AK 004320-6. The samples for this quarter's data were collected by KGCMC staff on 11 September 2003 at the permit-specified sites: Site 106 (REC 1), Site 107 (REC 2), and Site 108 (REC 3), each at a 5 foot depth.

Analytica Environmental Laboratories again performed the Cyanide and general characterization analyses on these samples, while Battelle Marine Sciences Laboratory again performed the metals analyses on the samples. The attached 10/2/2003 Analytica data report summarizes their Cyanide, TSS, pH, Conductivity, and Turbidity results, as well as their associated laboratory QA efforts. The attached 10/24/2003 Battelle laboratory report presents their metals analytical results as well as their laboratory QA efforts. KGCMC prepared the DMR's electronically through the Greens Creek environmental database, then checked them for accuracy against the laboratory data reports.

Should you, or your staff have any questions regarding this submittal, please contact me directly here at the mine (907) 789-8170.

Sincerely,

Bill Oelklaus

William F. Oelklaus
Environmental Manager

Attachments
cc: [redacted] & J-. DeFreest (USFS)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME Kennecott Greens Creek Mining Co.
ADDRESS P. O. Box 32199
Juneau, AK 99803

FACILITY Greens Creek Mine
LOCATION Hawk Inlet, Admiralty Island, AK
ATTN: Bill Oelklaus

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) RECEIVING WATER MONITORING

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004
Approval Expires 05-31-98

(2-16)	(17-19)
AK0043206	REC 1
PERMIT NUMBER	DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
From	2003	7	1	To	2003	9	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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PARAMETER (32-37)		(3 Card Only QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Temperature, Water Degrees Centigrade 00010 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	10.8	(04)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	Deg.C		Quarterly	Grab
Turbidity, 00070 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.78	(43)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	NTU		Quarterly	Grab
Conductivity, Field 00094 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	42.39	(11)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	umhos		Quarterly	Grab
pH, 00400 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	8.0	*****	8.02	(12)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	Report Minimum	*****	Report Maximum	s.u.		Quarterly	Grab
Solids, Total Suspended 00530 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	30.9	(19)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	mg/l		Quarterly	Grab
Cyanide, Total (as CN) 00720 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	<0.004	(28)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	ug/l		Quarterly	Grab
Zinc, Total Recoverable 01094 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	2.49	(28)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	ug/l		Quarterly	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

William F. Oelklaus
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319.

(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

William F Oelklaus

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
907	789-8170	2003	12	18
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

NONDETECTABLE PARAMETER COUNT: Cyanide 1 Cyanide 1 Cyanide 1

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Juneau, AK 99803

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LOCATION Hawk Inlet, Admiralty Island, AK
ATTN: Bill Oelklaus

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) AK0043206 PERMIT NUMBER

(17-19) REC 1 DISCHARGE NUMBER

RECEIVING WATER MONITORING
MAJOR
(SUBR 01)
F - FINAL

Form Approved
OMB No. 2040-0004
Approval Expires 05-31-98

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Cadmium, Total Recoverable	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.0677	(28)	0	Quarterly	Grab
01113 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	ug/l		Quarterly	Grab
Lead, Total Recoverable	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.507	(28)	0	Quarterly	Grab
01114 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	ug/l		Quarterly	Grab
Copper, Total Recoverable	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.675	(28)	0	Quarterly	Grab
01119 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	ug/l		Quarterly	Grab
Mercury, Total (as Hg)	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.00128	(28)	0	Quarterly	Grab
71900 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	ug/l		Quarterly	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
William F. Oelklaus
Environmental Manager
TYPED OR PRINTED

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William F Oelklaus
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LOCATION Hawk Inlet, Admiralty Island, AK
ATTN: Bill Oelklaus

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) AK0043206 PERMIT NUMBER

(17-19) REC 2 DISCHARGE NUMBER

RECEIVING WATER MONITORING
MAJOR
(SUBR 01)
F - FINAL

Form Approved
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Temperature, Water Degrees Centigrade 00010 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	10.9	(04)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	Deg.C		Quarterly	Grab
Turbidity, 00070 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.64	(43)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	NTU		Quarterly	Grab
Conductivity, Field 00094 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	43.42	(11)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	umhos		Quarterly	Grab
pH, 00400 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	7.9	*****	7.88	(12)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	Report Minimum	*****	Report Maximum	s.u.		Quarterly	Grab
Solids, Total Suspended 00530 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	31.	(19)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	mg/l		Quarterly	Grab
Cyanide, Total (as CN) 00720 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	<0.004	(28)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	ug/l		Quarterly	Grab
Zinc, Total Recoverable 01094 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	1.09	(28)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	ug/l		Quarterly	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

William F. Oelklaus
Environmental Manager

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

RECEIVING WATER MONITORING
MAJOR
(SUBR 01)
F - FINAL

Form Approved
OMB No. 2040-0004
Approval Expires 05-31-98

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
AK0043206	REC 2

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
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Cadmium, Total Recoverable 01113 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.0682	(28) ug/l	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum			Quarterly	Grab
Lead, Total Recoverable 01114 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.0999	(28) ug/l	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum			Quarterly	Grab
Copper, Total Recoverable 01119 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.514	(28) ug/l	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum			Quarterly	Grab
Mercury, Total (as Hg) 71900 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.00443	(28) ug/l	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum			Quarterly	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
William F. Oelklaus Environmental Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319.	William F Oelklaus	907	789-8170	2003	12	18
TYPED OR PRINTED	*(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

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FACILITY Greens Creek Mine
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ATTN: Bill Oelklaus

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) AK0043206 PERMIT NUMBER

(17-19) REC 3 DISCHARGE NUMBER

RECEIVING WATER MONITORING
MAJOR
(SUBR 01)
F - FINAL

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Temperature, Water Degrees Centigrade 00010 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	10.8	(04)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	Deg.C		Quarterly	Grab
Turbidity, 00070 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	1.8	(43)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	NTU		Quarterly	Grab
Conductivity, Field 00094 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	41.96	(11)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	umhos		Quarterly	Grab
pH, 00400 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	8.0	*****	7.96	(12)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	Report Minimum	*****	Report Maximum	s.u.		Quarterly	Grab
Solids, Total Suspended 00530 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	30.3	(19)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	mg/l		Quarterly	Grab
Cyanide, Total (as CN) 00720 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	<0.004	(28)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	ug/l		Quarterly	Grab
Zinc, Total Recoverable 01094 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	3.45	(28)	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum	ug/l		Quarterly	Grab

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Environmental Manager

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DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
AK0043206	REC 3
PERMIT NUMBER	DISCHARGE NUMBER

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Cadmium, Total Recoverable 01113 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.0752	(28) ug/l	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum			Quarterly	Grab
Lead, Total Recoverable 01114 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.37	(28) ug/l	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum			Quarterly	Grab
Copper, Total Recoverable 01119 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.65	(28) ug/l	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum			Quarterly	Grab
Mercury, Total (as Hg) 71900 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.00134	(28) ug/l	0	Quarterly	Grab
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Report Daily Maximum			Quarterly	Grab

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NONDETECTABLE PARAMETER COUNT: Cyanide 1 Cyanide 1 Cyanide 1

Analytica Alaska Southeast
5438 Shaune Drive
Juneau, AK 99801
(907) 780-6668
Fax (907) 780-6670
website: www.analyticagroup.com

10/2/2003

Kennecott Greens Creek Mining
P.O. Box 32199
Juneau, AK 99803
Attn: Bill Oelklaus

Work Order #: J0309107
Date: 10/2/2003
Work ID: NPDES Quarterly Seawater
Date Received: 9/12/2003

Sample Identification

Lab Sample Number	Client Description	Lab Sample Number	Client Description
J0309107-01	104-5	J0309107-02	106-5
J0309107-03	107-5	J0309107-04	108-5

Enclosed are the analytical results, in summary format, for the submitted sample(s). Please review the CASE NARRATIVE for a discussion of any data and/or quality control issues.

Sincerely,

Kimberely Unger
Project Manager

Summary of Detected Analytes

Analytica Alaska Southeast

Workorder (SDG): J0309107

Project: NPDES Quarterly Seawater

Client: Kennecott Greens Creek Mining

Client Project Number: none

Client Sample Name: 104-5 01

Matrix: Aqueous Collection Date: 9/11/2003 9:45:00AM

Analyte	CASNo	Result	PQL	Units	Analysis Date:	Flags	Analyst	Method
Total Suspended Solids		29.3	4.0	mg/L	9/16/2003 9:15:00AM		MBG	160.2-Residue, Gravimetric, Non-filter
pH		7.95	0.10	pH	9/12/2003 9:10:45AM		MG	150.1 - pH, Elecrometric - (pH)
Turbidity		1.2	0.10	NTU	9/12/2003 4:25:10PM		RK	180.1 - Turbidity, Nephelometric - (Tu
Cyanide		<0.0040	0.0040	mg/L	9/24/2003 4:44:23PM		ksb	SM4500-CNE - Cyanide, Colorimetric M

Client Sample Name: 106-5 02

Matrix: Aqueous Collection Date: 9/11/2003 8:40:00AM

Analyte	CASNo	Result	PQL	Units	Analysis Date:	Flags	Analyst	Method
Total Suspended Solids		30.9	4.0	mg/L	9/16/2003 9:15:00AM		MBG	160.2-Residue, Gravimetric, Non-filter
pH		8.02	0.10	pH	9/12/2003 9:10:45AM		MG	150.1 - pH, Elecrometric - (pH)
Turbidity		0.78	0.10	NTU	9/12/2003 4:25:10PM		RK	180.1 - Turbidity, Nephelometric - (Tu
Cyanide		<0.0040	0.0040	mg/L	9/24/2003 4:44:23PM		ksb	SM4500-CNE - Cyanide, Colorimetric M

Client Sample Name: 107-5 03

Matrix: Aqueous Collection Date: 9/11/2003 9:20:00AM

Analyte	CASNo	Result	PQL	Units	Analysis Date:	Flags	Analyst	Method
Total Suspended Solids		31.0	4.0	mg/L	9/16/2003 9:15:00AM		MBG	160.2-Residue, Gravimetric, Non-filter
pH		7.88	0.10	pH	9/12/2003 9:10:45AM		MG	150.1 - pH, Elecrometric - (pH)
Turbidity		0.64	0.10	NTU	9/12/2003 4:25:10PM		RK	180.1 - Turbidity, Nephelometric - (Tu
Cyanide		<0.0040	0.0040	mg/L	9/24/2003 4:44:23PM		ksb	SM4500-CNE - Cyanide, Colorimetric M

Client Sample Name: 108-5 04

Matrix: Aqueous Collection Date: 9/11/2003 9:00:00AM

Analyte	CASNo	Result	PQL	Units	Analysis Date:	Flags	Analyst	Method
Total Suspended Solids		30.3	4.0	mg/L	9/16/2003 9:15:00AM		MBG	160.2-Residue, Gravimetric, Non-filter
pH		7.96	0.10	pH	9/12/2003 9:10:45AM		MG	150.1 - pH, Elecrometric - (pH)
Turbidity		1.8	0.10	NTU	9/12/2003 4:25:10PM		RK	180.1 - Turbidity, Nephelometric - (Tu
Cyanide		<0.0040	0.0040	mg/L	9/24/2003 4:44:23PM		ksb	SM4500-CNE - Cyanide, Colorimetric M