Industrial Waste Monthly Self-Monitoring Report

King County

Mail or FAX to: King County Industrial Waste
130 Nickerson Street, Suite 200
Seattle, WA 98109-1658
Phone 206-263-3000 / FAX 206-263-3001

AKC-000314

Company Name: ALASKAN COPPER WORKS 3200 6TH AVE. S. **Sample Site No.** A-4010 **Permit/DA No.:** 7238-05

Please Specify Month & Year: **Month:** JANUARY **2013**

This form is available at www.kingcounty.gov/industrialwaste.

All units are mg/l unless otherwise noted. Note: For cyanide, circle test performed - amenable or total ▼

Sample Date (circle)	Sample Type C (Composite) G (grab) BC (batch)	pH Min	pH Max	Cadmium, Cd	Chromium, Cr	Copper, Cu	Lead, Pb	Mercury, Hg	Nickel, Ni	Silver, Ag	Zinc, Zn	Cyanide (CN) Amenable (A) or Total (T)	NP Fats, Oils, and Grease (Average of 3 grabs)	Daily Flow (GPD) Industrial	Notes (Indicate Batch Discharges)
1		—	—											—	NEW YEARS
2		10.2	10.5											1051	
(3)	C	10.2	10.3		.21	.33			.22		.05			1100	
4		10.2	10.4											915	
5		—	—											—	
6		—	—											—	
7		10.0	10.4											2059	
8		10.0	10.3											1252	
9		9.8	10.2											890	
(10)	C	10.0	10.3		.27	.19					.05			1217	
11		10.1	10.1											1055	
12		—	—											—	
13		—	—											—	
14		10.3	10.6											513	
15		10.1	10.3											1575	
16		10.1	10.2											1024	
(17)	C	9.9	10.1		.16	.21					.01			925	
18		9.9	10.0											1563	
19		—	—											—	
20		—	—											—	
21		9.6	10.0											699	
(22)	G	9.9	10.5		.14	.26			.19		.02			1299	
(23)	C	10.1	10.6		.15	.25			.19		.02			1275	
24		10.1	10.3											907	
25		9.9	10.4											1177	
26		—	—											—	
27		—	—											—	
28		9.7	10.0											1325	
29		9.8	9.8											1494	
30		9.6	9.9											774	
(31)	C	9.6	10.9		.12	.25			.15		.01			984	

Jan 2013

Monthly Min pH	9.6	& Date	1-26-13	Total Monthly Flow (gallons)	25073
Monthly Max pH	10.9	& Date	1-31-13	Maximum Daily Flow	2059 & Date 1-7-13

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Signature of Principal Executive or Authorized Agent

Date 2/8/13

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th of each month.

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All units are mg/l unless otherwise noted. Note: For cyanide, circle test performed - amenable or total ▼

Sample Date (circle)	Sample Type C (Composite) G (grab) BC (batch)	pH Min	pH Max	Cadmium, Cd	Chromium, Cr	Copper, Cu	Lead, Pb	Mercury, Hg	Nickel, Ni	Silver, Ag	Zinc, Zn	Cyanide (CN) Amenable (A) or Total (T)	NP Fats, Oils, and Grease (Average of 3 grabs)	Daily Flow (GPD) Industrial	Notes (Indicate Batch Discharges)
1		—	—											—	NEW YEARS
2		10.2	10.5											1051	
(3)	C	10.2	10.3		.21	.33			.22		.05			1100	
4		10.2	10.4											915	
5		—	—											—	
6		—	—											—	
7		10.0	10.4											2059	
8		10.0	10.3											1252	
9		9.8	10.2											890	
(10)	C	10.0	10.3		.27	.19			.15		.05			1217	
11		10.1	10.1											1055	
12		—	—											—	
13		—	—											—	
14		10.3	10.6											513	
15		10.1	10.3											1575	
16		10.1	10.2											1024	
(17)	C	9.9	10.1		.16	.21			.15		.01			925	
18		9.9	10.0											1563	
19		—	—											—	
20		—	—											—	
21		9.6	10.0											699	
(22)	G	9.9	10.5		.14	.26			.19		.02			1299	
(23)	C	10.1	10.6		.15	.25			.19		.02			1275	
24		10.1	10.3											907	
25		9.9	10.4											1177	
26		—	—											—	
27		—	—											—	
28		9.7	10.0											1325	
29		9.8	9.8											1494	
30		9.6	9.9											774	
(31)	C	9.6	10.9		.12	.25			.15		.01			984	

Monthly Min pH	9.6	& Date	1-26-13	Total Monthly Flow (gallons)	25073
Monthly Max pH	10.9	& Date	1-31-13	Maximum Daily Flow	2059 & Date 1-7-13

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Signature of Principal/Executive or Authorized Agent — Date 2/8/13

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: **Monthly report is due by the 15th of each month.**

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130 Nickerson Street, Suite 200
Seattle, WA 98109-1658
Phone 206-263-3000 / FAX 206-263-3001

AKC-0003148

Company Name: ALASKAN COPPER WORKS E. MARGINAL WAY **Sample Site No.** A-4009 **Permit/DA No.:** 7201-4

Please Specify Month & Year: **Month:** JANUARY **2013** **This form is available at www.kingcounty.gov/industrialwaste.**

All units are mg/l unless otherwise noted. Note: For cyanide, circle test performed - amenable or total ▼

Sample Date (circle)	Sample Type C (Composite) G (grab) BC (batch)	pH Min	pH Max	Cadmium, Cd	Chromium, Cr	Copper, Cu	Lead, Pb	Mercury, Hg	Nickel, Ni	Silver, Ag	Zinc, Zn	Cyanide (CN) Amenable (A) or Total (T)	NP Fats, Oils, and Grease (Average of 3 grabs)	Daily Flow (GPD) Industrial	Notes (Indicate Batch Discharges)
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
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24															
25															
26															
27															
28															
29															
30															
31															

NOT IN USE THIS MONTH

Monthly Min pH _____ & Date _____ Total Monthly Flow (gallons) _____

Monthly Max pH _____ & Date _____ Maximum Daily Flow _____ & Date _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

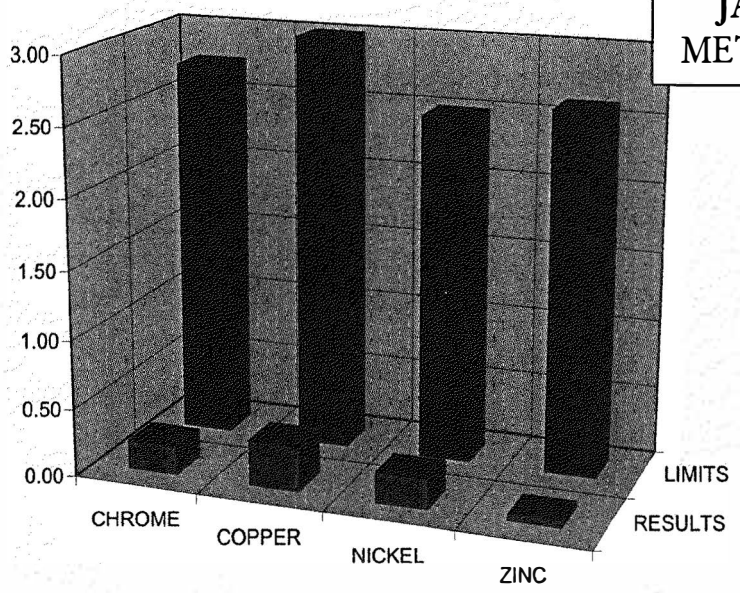
Signature of Principal Executive or Authorized Agent

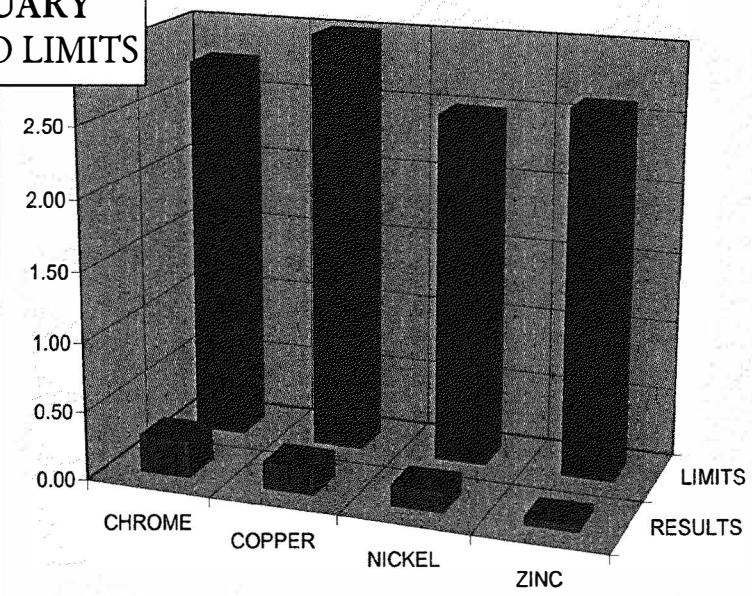
2/8/13
Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: **Monthly report is due by the 15th of each month.**

JANUARY
METRO LIMITS





ALASKAN COPPER WORKS
3200 FACILITY
JANUARY 3, 2013
COMPOSITE M131786

ALASKAN COPPER WORKS
3200 FACILITY
JANUARY 10, 2013
COMPOSITE M09972

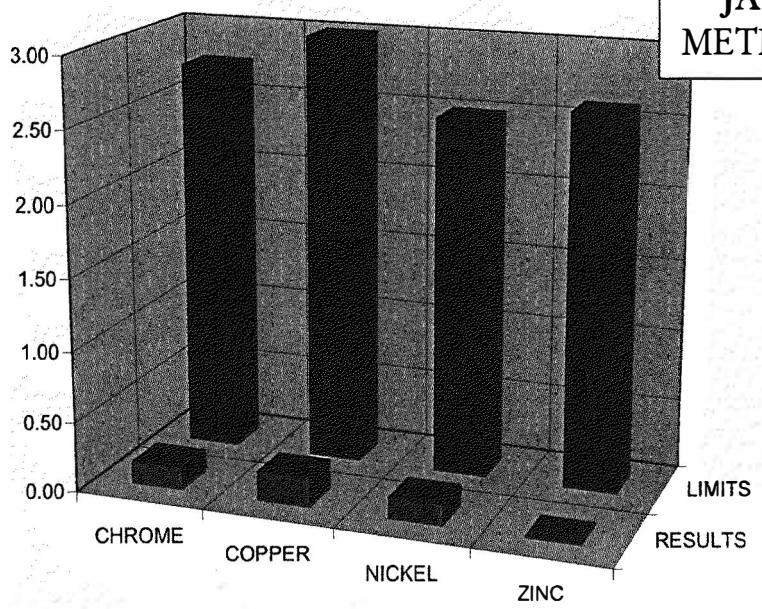
VISUAL REPRESENTATION OF THE LAB RESULTS

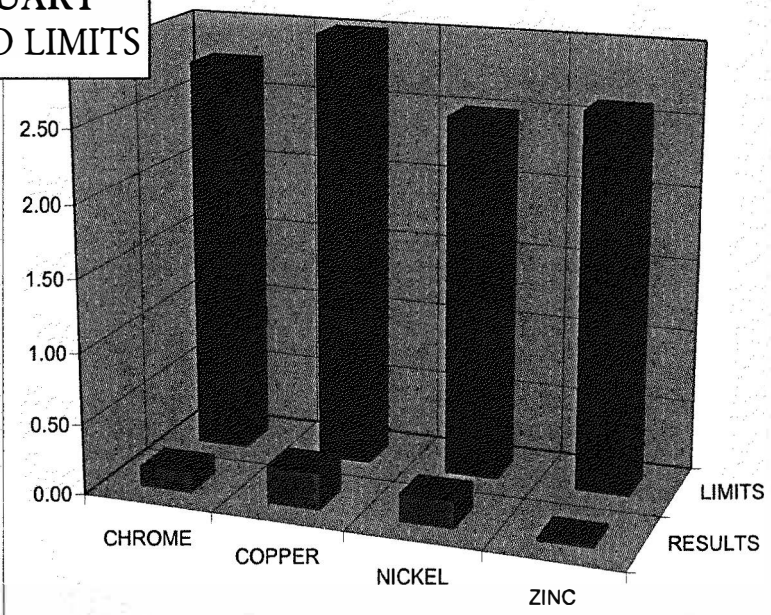
NOTE: ALL LABORATORY RESULTS HAVE BEEN CHANGED FROM **ppb** TO **ppm** FOR REPORTING PURPOSES

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.21	0.33	0.22	0.05
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.27	0.19	0.15	0.05
LIMITS	2.75	3.00	2.50	2.61

JANUARY
METRO LIMITS





ALASKAN COPPER WORKS	ALASKAN COPPER WORKS
3200 FACILITY	3200 FACILITY
JANUARY 17, 2013	JANUARY 22, 2013
COMPOSITE M10001	K.C. GRAB M10017

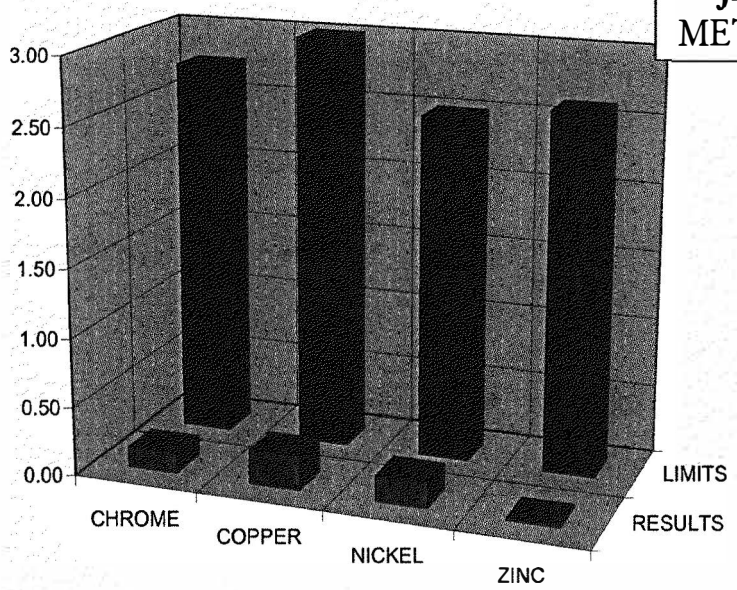
VISUAL REPRESENTATION OF THE LAB RESULTS

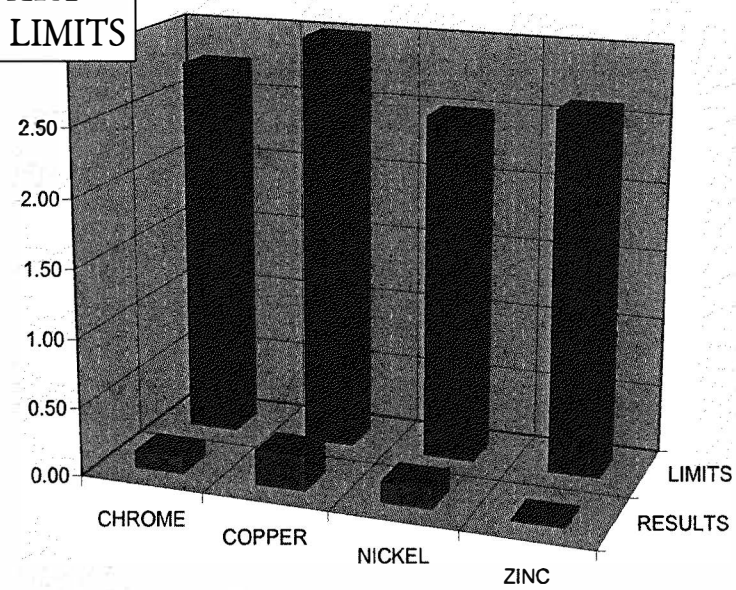
NOTE: ALL LABORATORY RESULTS HAVE BEEN CHANGED FROM **ppb** TO **ppm** FOR REPORTING PURPOSES

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.16	0.21	0.15	0.01
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.14	0.26	0.19	0.02
LIMITS	2.75	3.00	2.50	2.61

JANUARY
METRO LIMITS





ALASKAN COPPER WORKS
3200 FACILITY
JANUARY 23 , 2013
K.C. COMPOSITE M10020

ALASKAN COPPER WORKS
3200 FACILITY
JANUARY 31, 2013
COMPOSITE M132005

VISUAL REPRESENTATION OF THE LAB RESULTS

NOTE: ALL LABORATORY RESULTS HAVE BEEN CHANGED FROM **ppb** TO **ppm** FOR REPORTING PURPOSES

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.15	0.25	0.19	0.02
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.12	0.25	0.15	0.01
LIMITS	2.75	3.00	2.50	2.61

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M131786	Client:	Alaskan Copper Works
Date Received:	01/03/13	Project:	Metro Self Monitor M131786
Date Extracted:	01/08/13	Lab ID:	301021-01 x10
Date Analyzed:	01/09/13	Data File:	301021-01 x10.016
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	85	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	213
Nickel	220
Copper	337
Zinc	<50

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M09972	Client:	Alaskan Copper Works
Date Received:	01/10/13	Project:	Metro Self Monitor M09972, F&BI 301115
Date Extracted:	01/14/13	Lab ID:	301115-01 x10
Date Analyzed:	01/14/13	Data File:	301115-01 x10.027
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	89	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	273
Nickel	150
Copper	191
Zinc	<50

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M10001	Client:	Alaskan Copper Works
Date Received:	01/17/13	Project:	Metro Self Monitor M10001, F&BI 301203
Date Extracted:	01/22/13	Lab ID:	301203-01 x10
Date Analyzed:	01/22/13	Data File:	301203-01 x10.042
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	89	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	160
Nickel	159
Copper	214
Zinc	13.7

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M10017	Client:	Alaskan Copper Works
Date Received:	01/22/13	Project:	Metro KC Grab M10017, F&BI 301263
Date Extracted:	01/24/13	Lab ID:	301263-01 x10
Date Analyzed:	01/24/13	Data File:	301263-01 x10.022
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	93	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	141
Nickel	194
Copper	264
Zinc	23.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M10020	Client:	Alaskan Copper Works
Date Received:	01/23/13	Project:	Metro K.C. 24 hr Composite M10020
Date Extracted:	01/24/13	Lab ID:	301284-01 x10
Date Analyzed:	01/24/13	Data File:	301284-01 x10.023
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	92	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	155
Nickel	198
Copper	259
Zinc	21.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M132005	Client:	Alaskan Copper Works
Date Received:	01/31/13	Project:	Metro Self Monitor M132005, F&BI 301406
Date Extracted:	02/04/13	Lab ID:	304106-01 x10
Date Analyzed:	02/04/13	Data File:	304106-01 x10.064
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	103	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	125
Nickel	157
Copper	251
Zinc	16.3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CB330001-Influent	Client:	Landau Associates
Date Received:	01/30/13	Project:	1198001.010.011, F&BI 301383
Date Extracted:	02/04/13	Lab ID:	301383-01
Date Analyzed:	02/04/13	Data File:	301383-01.059
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	98	60	125

Analyte:	Concentration ug/L (ppb)
Copper	171

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/06/13
Date Received: 01/30/13
Project: 1198001.010.011, PO M131974, F&BI 301384
Date Extracted: 01/31/13
Date Analyzed: 02/01/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx
Sample Extracts Passed Through a Silica Gel Column Prior to Analysis
Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 47-140)
CB330001-013013 301384-01	<50	300	79
CB331707-013013 301384-02	<50	<250	67
Method Blank 03-206 MB	<50	<250	77

REF. DWG NO. 500-0007 REV. A 1594

DAILY LOG

DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING PROCESS MONITOR	pH READING OUTPUT MONITOR	pH PAPER PROCESS MONITOR	pH PAPER OUTPUT MONITOR	FLOWMETER	CYCLES	TEMP F° LARGE TANK	TEMP F° SMALL TANK	TEMP F° DAKITE TANK	REVETMENT LARGE RINSE	REVETMENT LARGE ACID	REVETMENT SMALL TANKS	COMMENTS,PROBLEMS,& REMARKS (W/O#)
MONDAY	12-31-12	7 AM	24.3	14	10.27	10.63	—	—	1000	12	78	65	121				
		3 PM	23.2	14	9.64	10.60	—	—	178	Ø	114	122	122				
		11PM	23.2	13	10.34	10.40	—	—	1051	Ø	118	128	124				
TUESDAY	1-1-13	7 AM															Holiday
		3 PM															
		11PM															
WEDNESDAY	1-2-13	7 AM	23.2	13	11.44	10.75	-	—	1051	Ø	127	127	100				
		3 PM	23.0	10	9.56	10.57	-	—	629	7	120	128	128				
		11PM	23.4	9	10.03	10.42	—	—	1100	25	120	119	122				
THURSDAY	1-3-13	7 AM	23.5	9	9.92	10.35	—	—	1100	25?	128	122	109				
		3 PM	22.9	8.5	10.02	10.21	—	—	161	4	120	118	123				
		11PM	23.0	5.5	10.18	10.36	—	—	915	25	121	114	115				
FRIDAY	1-4-13	7 AM	23.0	5.5	11.78	10.24	—	—	915	25	123	127	102				Forgot to reset flow counter
		3 PM	22.6	5	9.63	10.43	—	—	1256	42	120	128	127				
		11PM	22.8	1	10.00	10.30	—	—	2059	54	118	115	123				
SATURDAY																	
SUNDAY																	

\WOUT\500-0007, 03/04/99

AKC-0003160

REF. DWG NO. 500-0007 REV. A 1594

DAILY LOG

DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING PROCESS MONITOR	pH READING OUTPUT MONITOR	pH PAPER PROCESS MONITOR	pH PAPER OUTPUT MONITOR	FLOWMETER	CYCLES	TEMP F° LARGE TANK	TEMP F° SMALL TANK	TEMP F° OAKITE TANK	REVETMENT LARGE RINSE	REVETMENT LARGE ACID	REVETMENT SMALL TANKS	COMMENTS,PROBLEMS,& REMARKS (W/O#)
MONDAY	1-7-13	7 AM	22.7	1	9.39	10.03	—	—	2059	59	127	122	131				
		3 PM	22.7	16	9.99	10.31	—	—	480	3	118	126	124				
		11PM	22.4	15	10.70	10.95	—	—	1252	34	118	127	118				
TUESDAY	1-8-13	7 AM	22.4	15	10.54	10.38	—	—	1252	34	121	120	105				
		3 PM	22.1	15	9.91	10.25	—	—	187	12	126	128	125				
		11PM	22.1	14	10.28	10.02	—	—	890	26	123	113	120				
WEDNESDAY	1-9-13	7 AM	22.0	14	9.45	9.94	—	—	890	31	123	123	128				
		3 PM	21.8	13	9.49	9.86	—	—	158	5	128	125	126				
		11PM	22.1	12	9.69	10.23	—	—	1217	23	121	117	118				
THURSDAY	1-10-13	7 AM	22.1	12	10.46	10.13	—	—	1217	26	123	126	50?				
		3 PM	21.6	11	10.67	10.01	—	—	Ø	10	124	128	139				
		11PM	22.1	10.5	9.90	10.31	—	—	1055	28	118	113	117				
FRIDAY	1-11-13	7 AM	22.1	10	10.63	10.11	—	—	1055	31	127	126	126				
		3 PM	22.0	10	11.78	10.18	—	—	89	Ø	121	123	127				
		11PM	22.0	10	9.97	?	—	—	509	10	125	120	116				
SATURDAY																	
SUNDAY																	

\WOUT\500-0007, 03/04/99

AKC-0003161

REF. DWG NO. 500-0007 REV. A 1594

DAILY LOG

DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING PROCESS MONITOR	pH READING OUTPUT MONITOR	pH PAPER PROCESS MONITOR	pH PAPER OUTPUT MONITOR	FLOWMETER	CYCLES	TEMP F° LARGE TANK	TEMP F° SMALL TANK	TEMP F° OAKITE TANK	REVETMENT LARGE RINSE	REVETMENT LARGE ACID	REVETMENT SMALL TANKS	COMMENTS,PROBLEMS,& REMARKS (W/O#)
MONDAY	1-14-13	7 AM	22.0	10	11.40	10.69 Ean	—	-	513	24	76	66	122				
		3 PM	21.1	8.5	10.41	10.33	—	-	646	1	115	120	126				
		11PM	21.2	6	10.44	10.51	—	—	1575	12	124	117	118				
TUESDAY	1-15-13	7 AM	21.2	6	10.41	10.37	—	—	1575	14	126	117	128				
		3 PM	20.9	20	10.08	10.10	—	—	455	Ø	122	127	121				
		11PM	21.1	19	9.92	10.20	—	—	1024	3	125	113	112				
WEDNESDAY	1-16-13	7 AM	21.1	15	10.02	10.11	—	—	1470	4	118	115	128				
		3 PM	20.6	18	9.96	10.22	—	-	357	6	128	121	121				
		11PM	20.8	17	9.75	10.27	—	-	925	21	118	123	114				
THURSDAY	1-17-13	7 AM	20.8	17	9.82	10.12	—	-	925	20	118	123	128				
		3 PM	20.8	16	10.22	9.93	—	—	378	Ø	120	126	119				
		11PM	19.8	15	9.72	10.19	—	—	1563	39	125	127	112				
FRIDAY	1-18-13	7 AM	19.8	15	10.01	10.0	—	-	1470	45	123	128	124				
		3 PM	19.8	11	10.10	9.99	—	-	192	7	124	128	120				
		11PM	19.8	14	10.07	9.98	—	-	699	9	126	116	110				
SATURDAY																	
SUNDAY																	

\WOUT\500-0007, 03/04/99

AKC-0003162

REF. DWG NO. 500-0007 REV. A 1594

DAILY LOG

DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING PROCESS MONITOR	pH READING OUTPUT MONITOR	pH PAPER PROCESS MONITOR	pH PAPER OUTPUT MONITOR	FLOWMETER	CYCLES	TEMP F° LARGE TANK	TEMP F° SMALL TANK	TEMP F° OAKITE TANK	REVETMENT LARGE RINSE	REVETMENT LARGE ACID	REVETMENT SMALL TANKS	COMMENTS,PROBLEMS,& REMARKS (W/O#)
MONDAY	1-21	7 AM	19.1	14	9.75	9.60	—	—	1299	15	126	125	128				
		3 PM	19.8	14	9.54	10.07	—	—	8470	2	126	124	126				
		11PM	20.1	12	9.87	10.07	—	—	1299	7	118	116	118				
TUESDAY	1-22	7 AM	19.8	12	10.14	9.95	—	—	1299	10	123	127	130				K.C. Samples Flow @ 501
		3 PM	19.4	11	10.71	10.08	—	—	700	1	118	122	122				
		11PM	19.9	10	10.50	10.50	—	—	1275	23	121	114	115				
WEDNESDAY	1-23	7 AM	19.4	10	9.73	10.25	—	—	1275	23	125	127	128				1275 -501 774 160 614
		3 PM	19.6	10	11.10	10.15	—	—	350	3	128	126	122				
		11PM	19.2	9	9.72	10.61	—	—	907	13	121	119	117				
THURSDAY	1-24	7 AM	19.2	9	11.38	10.38	—	—	907	16	125	127	130				
		3 PM	18.8	8	10.94	10.11	—	—	596	4	126	119	124				
		11PM	18.9	7	9.79	10.20	—	—	1177	7	119	127	118				
FRIDAY	1-25	7 AM	18.9	7	11.20	9.94	—	—	1177	11	127	128	124				
		3 PM	19.1	6	10.70	10.09	—	—	604	3	120	124	125				
		11PM	18.9	5	10.17	10.45	—	—	1325	10	127	120	120				
SATURDAY																	
SUNDAY																	

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AKC-0003163

REF. DWG NO. 500-0007 REV. A 1594

DAILY LOG

DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING PROCESS MONITOR	pH READING OUTPUT MONITOR	pH PAPER PROCESS MONITOR	pH PAPER OUTPUT MONITOR	FLOWMETER	CYCLES	TEMP F° LARGE TANK	TEMP F° SMALL TANK	TEMP F° OAKITE TANK	REVETMENT LARGE RINSE	REVETMENT LARGE ACID	REVETMENT SMALL TANKS	COMMENTS,PROBLEMS,& REMARKS (W/O#)
MONDAY	1-28-13	7 AM	19.1	5	8.61	9.94	—	—	1325	13	120	127	137				
		3 PM	18.9	3	9.69	9.78	—	—	764	6	118	122	124				
		11PM	18.8	17	10.37	10.03	—	—	1499	18	126	122	118				
TUESDAY	1-29-13	7 AM	18.8	17	10.18	9.86	—	—	1051	18	121	125	125				
		3 PM	18.7	17	9.99	9.82	—	—	365	4	123	128	124				
		11PM	18.7	16	9.99	9.83	—	—	774	7	120	122	112				
WEDNESDAY	1-30-13	7 AM	18.7	16	10.55	9.66	—	—	774	9	127	120	135				
		3 PM	18.2	15	10.66	9.82	—	—	219	3	128	128	124				
		11PM	18.2	14	9.98	9.98	—	—	984	12	119	124	110				
THURSDAY	1-31-13	7 AM	18.2	14	11.61	9.76	—	—	584	19	123	126	144				
		3 PM	18.0	14	10.73	9.61	—	—	000	0	127	124	123				
		11PM	17.9	10	10.50	10.97	—	—	1135	6	124	118	111				
FRIDAY	2-1-13	7 AM	17.5	10	9.96	10.72	—	—	1135	7	128	128	136				
		3 PM	17.6	10	10.32	10.38	—	—	398	2	125	128	124				
		11PM	17.8	10	10.25	10.19	—	—	990	9	124	123	113				
SATURDAY	2-2-13	1PM	17.8	10	10.01	10.00	—	—	990	9	104	106	122				
		7PM	17.8	10	10.42	10.07	—	—	160	2	120	116	122				
SUNDAY																	

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