Industrial Waste Monthly Self-Monitoring Report

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-0005630

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

Please Specify Month & Year: **Month** APRIL **2009**

This form is available at http://dnr.metrokc.gov/wlr/indwaste

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)		Flow (GPD) Industrial	Notes (Indicate Batch Discharges)
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
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16																
17																
18																
19																
20																
21																
22																
23																
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

5-14-09
Date

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-0005631

Company Name: ALASKAN COPPER WORKS **Sample Site No.** A-4010 **Permit/DA No.:** 7238

Please Specify Month & Year: **Month** APRIL **2009**

This form is available at http://dnr.metrokc.gov/wlr/indwaste

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)		Flow (GPD) Industrial	Notes (Indicate Batch Discharges)
1		9.7	9.7												1080	
(2)	C	9.7	9.8		.25	.47			.42		.07				1174	
3		9.7	9.8												2012	
4		---	---												---	
5		---	---												---	
6		9.6	9.8												1288	
7		9.6	9.7												1077	
8		9.5	9.6												845	
(9)	C	9.5	9.6		.30	.23			.31		.02				657	
10		9.6	9.6												597	
11		---	---												---	
12		---	---												---	
13		9.7	9.8												912	
14		9.7	9.8												1447	
15		9.8	9.9												1076	
(16)	C	9.8	9.9		.46	.56			.69		.09				1174	
17		9.8	9.8												1406	
18		---	---												---	
19		---	---												---	
20		9.7	9.7												688	
21		9.6	9.7												789	
22		9.6	9.7												2477	
(23)	C	9.7	9.8		.19	.25			.27		.05				591	
24		9.8	9.8												1349	
25		---	---												---	
26		---	---												---	
27		9.9	9.9												1015	
(28)	G	9.9	10.0		1.88	1.31			2.00		.19				896	METRO GRAB
(29)	C	10.1	10.1		.96	.95			1.15		.16				895	METRO COMP
30		10.1	10.1												884	
31	---	---	---	---	---	---	---	---	---	---	---	---	---	--	---	

Monthly Min pH	9.5	& Date	04-09-09
Monthly Max pH	10.1	& Date	04-29-09
Total Monthly Flow (gallons)	24329		
Maximum Daily Flow	2477	& Date	4-22

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

5-14-09
Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

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

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	11/29	7 AM	3.5	7	8.00	9.50	—	—	531	109	99	83	111				56
		3 PM	3.6	5	9.58	10.05	—	—	947	40	109	96	126				
		11PM	2.5	15	12.08	9.62	—	—	1729	68	113	98	120				16
TUESDAY	11/30	7 AM	2.5	16	[illegible]	[illegible]	—	—	1729	27	117	[illegible]	130				
		3 PM	8.8	15	9.58	9.57	—	—	675	88	116	109	115				
		11PM	8.5	13	11.64	9.53	—	—	1069	132	121	115	124				16
WEDNESDAY	12/1	7 AM	8.5	13	10.99	9.49	—	—	1069	132	119	112	129				checkpoint
		3 PM	7.7	8	9.96	9.67	—	—	831	4	125	1.2	118				
		11PM	7.8	20	9.99	9.68	—	—	1670	26	120	118	122				16
THURSDAY	12/2nd	7 AM	7.5	18	9.59	9.59	—	—	1670	27	119	119	124				
		3 PM	7.5	17	9.74	9.59	—	—	1676	9	124	127	110				
		11PM	7.5	15	10.57	9.94	—	—	969	32	121	124	126				16
FRIDAY	12/3rd	7 AM	7.3	15	7.35	9.84	—	—	969	41	120	122	132				64
		3 PM	7.0	15	10.09	9.96	—	—	760	60	119	121	120				
		11PM	6.3	13	10.08	9.87	—	—	1112	68	124	116	121				16
SATURDAY	4th																
SUNDAY	5th																

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

AKC-0005632

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	4-6-09	7 AM	14.1	1	10.41	9.79	–	–	1288	138	81	74	57				16
		3 PM	13.8	13	9.53	9.73	–	–	604	9	110	92	93				
		11PM	13.1	10	10.26	9.69	–	–	1077	28	119	103	103				
TUESDAY	4-7-09	7 AM	13.3	10	11.42	9.68	–	–	1077	31	112	91	101				10
		3 PM	13.7	10	9.83	9.61	–	–	426	5	123	109	121				
		11PM	13.4	7	9.65	9.60	–	–	845	21	127	109	108				
WEDNESDAY	4-8-09	7 AM	12.6	7	11.65	9.61	–	–	845	24	116	97	109				64
		3 PM	12.7	7	11.11	9.64	–	–	0	0	123	113	120				
		11PM	12.8	5	10.09	9.56	–	–	659	4	128	109	111				16
THURSDAY	4-10-09	7 AM	12.6	3	10.02	9.57	–	–	657	4	116	100	108				
		3 PM	12.1	10	12.29	9.61			000	4	120	113	119				
		11PM	12.1	8	9.80	9.56	–	–	591	9	126	116	110				14
FRIDAY	4-11-09	7 AM	12.1	14	9.83	9.58	–	–	597	9	114	105	108				16
		3 PM	12.0	13	10.34	9.55	–	–	210	0	124	121	120				
		11PM	11.5	11	9.86	9.59	–	–	900	38	124	124	110				STILL FLOWING TO METER 11:15
SATURDAY																	
SUNDAY																	

AKC-0005633

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	4-13-09	7 AM	11.8	11	9.77	9.80	-	-	912	38	82	77	130				16
		3 PM	11.2	7	10.27	9.74	-	-	1033	19	104	98	130				
		11PM	11.0	5	9.83	9.72	-	-	1447	40	123	105	110				
TUESDAY	4-14-09	7 AM	11.1	3	11.89	9.73	-	-	1447	44	107	93	108				64
		3 PM	10.9	3	9.64	9.77	-	-	217	13	120	103	119				
		11PM	10.9	13	10.21	9.79	-	-	1076	19	121	113	114				16
WEDNESDAY	4-15-09	7 AM	10.37	13	10.	9.85	-	-	1076	19	108	99	113				
		3 PM	10.6	13	9.64	9.50	-	-	468	9	125	105	128				
		11PM	10.1	8	10.77	9.90	-	-	1174	49	122	111	112				16
THURSDAY	4-16-09	7 AM	10.2	8	8.99	9.91	-	-	1174	52	112	99	110				16
		4:15 3 PM	9.0	5	9.81	9.84	-	-	1400	26	126	114	123				
		11PM															
FRIDAY	4-17-09	7 AM	9.2	5	3.32	9.86	-	-	1406	34	112	107	116				16
		4:30 3 PM	9.8	5	9.88	9.81	-	-	620	44	127	119	121				
		11PM															
SATURDAY																	
SUNDAY																	

AKC-0005634

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

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

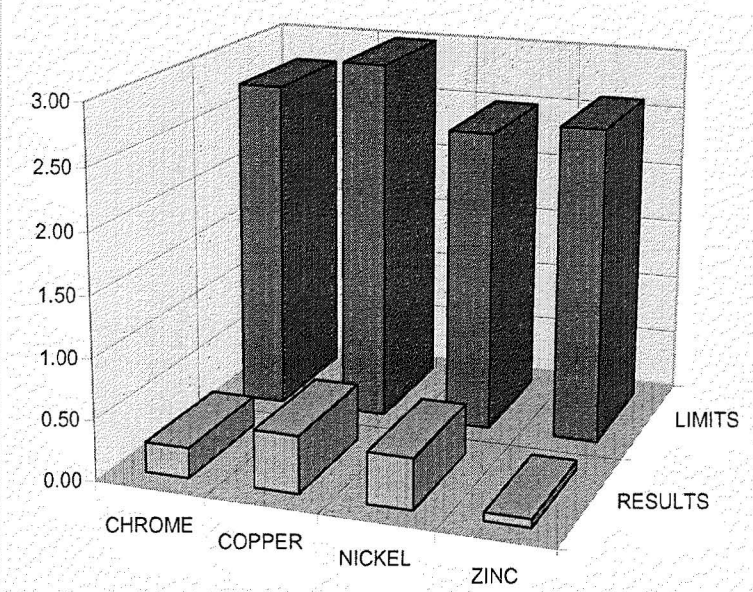
DAILY LOG

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	4-20-09	7 AM	8.7	1	5.56	9.76	–	–	688	50	81	78	132				64
		4:30 PM	9.7	13	9.83	9.71	–	–	788	13	83	80	128				
		11PM															16
TUESDAY	4-21-09	7 AM	9.7	13	8.89	9.68	–	–	789	14	78	73	105				Air bubbler making noise again when it starts, but go's away ?
		3 PM	7.6	10	9.58	9.63	–	–	2022	32	102	54	118				~~cycle~~ Flow not reset
		11PM	7.4	8	10.18	9.61	–	–	2477	58	119	111	115				16
WEDNESDAY	4-22-09	7 AM	7.4	8	11.61	9.62	–	–	2477	62	108	97	120				14
		3 PM	7.4	7	10.41	9.69	–	–	∅	∅	123	114	129				
		11PM	7.5	5	9.75	9.69	–	–	591	14	123	117	112				
THURSDAY	4-23-09	7 AM	7.6	5	9.69	9.73	–	–	591	14	111	102	114				16
		3 PM	7.6	5	9.70	9.75	–	–	454	10	127	118	124				
		11PM	7.1	16	10.80	9.79	–	–	1166	38	119	123	114				
FRIDAY	4-24-09	7 AM	7.1	16	10.28	9.80			1349	38	109	105	118				64
		3 PM	7.2	15	9.56	9.84	–	–	269	10	122	119	128				
		11PM	7.2	13	9.94	9.84	–	–	1015	23	119	127	113				16
SATURDAY																	
SUNDAY																	

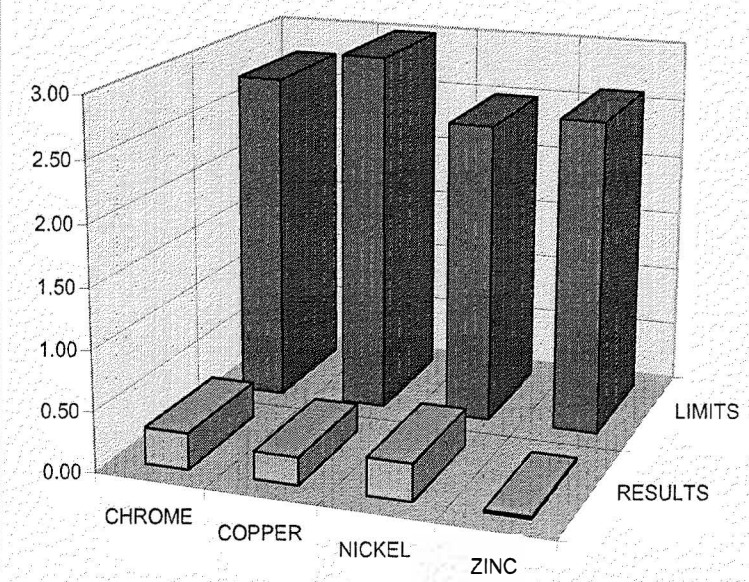
..\WOUT\500-0007, 03/04/99

AKC-0005635

APRIL
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
APRIL 2, 2009
COMPOSITE M122237



ALASKAN COPPER WORKS
3200 FACILITY
APRIL 9, 2009
COMPOSITE M03964

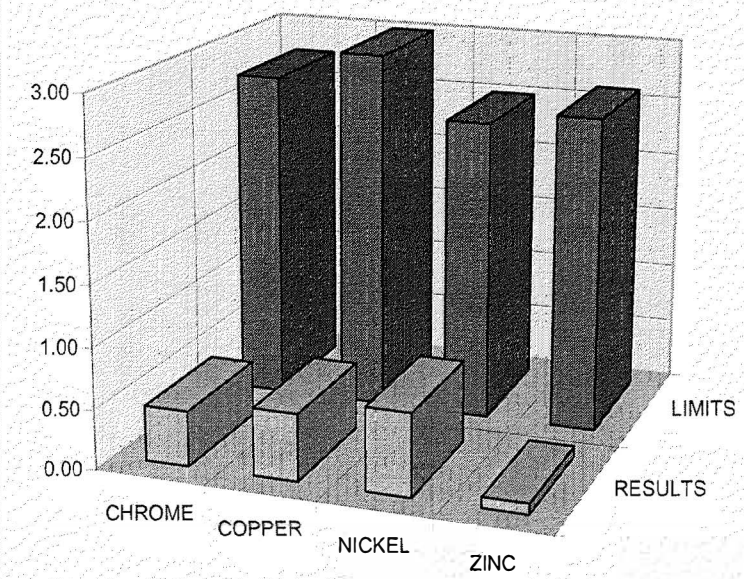
VISUAL REPRESENTATION OF THE LAB RESULTS

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

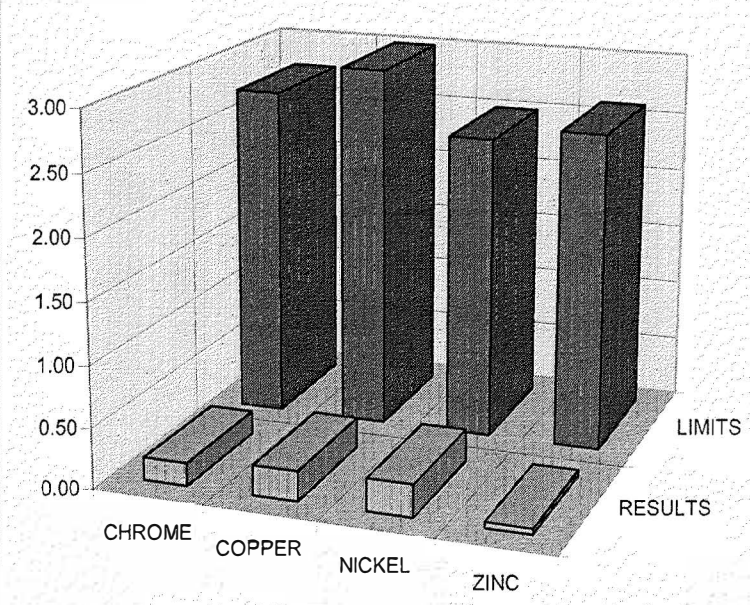
	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.25	0.47	0.42	0.07
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.30	0.23	0.31	0.02
LIMITS	2.75	3.00	2.50	2.61

APRIL
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
APRIL 16, 2009
COMPOSITE M03990



ALASKAN COPPER WORKS
3200 FACILITY
APRIL 23, 2009
COMPOSITE M122414

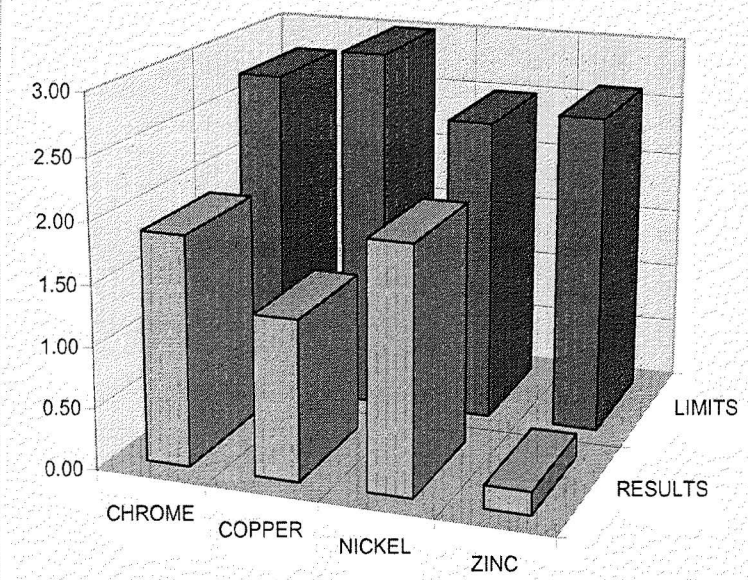
VISUAL REPRESENTATION OF THE LAB RESULTS

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

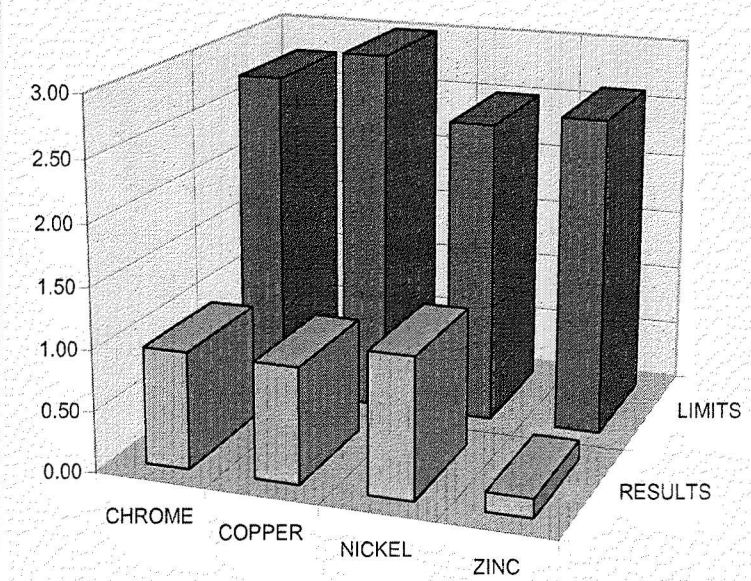
	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.46	0.56	0.69	0.09
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.19	0.25	0.27	0.05
LIMITS	2.75	3.00	2.50	2.61

APRIL
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
APRIL 28, 2009
METRO KC GRAB M04036



ALASKAN COPPER WORKS
3200 FACILITY
APRIL 29, 2009
METRO KC COMPOSITE M122452

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	1.88	1.31	2.00	0.19
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.96	0.95	1.15	0.16
LIMITS	2.75	3.00	2.50	2.61