2009

ALASKAN COPPER BULK CHEMICALS PROCUREMENT - CALENDAR YEAR 2009
SEATTLE FACILITY

BULK CHEMICALS								
ACETONE	2	DR	x	357	LB	=	714	LB
AMMONIUM BIFLUORIDE	33	BAG	x	50	LB	=	1650	LB
CAUSTIC SODA 50%	4	DR	x	700	LB	=	2800	LB
METHANOL	25	GAL	x	6.63	LB/GAL	=	165.75	LB
NITRIC ACID 67%	8	DR	x	600	LB	=	4800	LB
OAKITE STRIPPER M3	2	DR	x	410	LB	=	820	LB
TOTAL						=	**10949.75**	**LB**
DENSITY OF METHANOL =	6.63	LB/GAL						

TOTAL CHEMICALS 10,950 BULK CHEMICALS/CY 2010

ALASKAN COPPER METALS - CALENDAR YEAR 2009
SEATTLE FACILITY

	TOTAL POUNDS	CHROMIUM	NICKEL	COPPER	MANGANESE	PHOSPHOROUS	SULFUR	SILICON	MOLYBDENUM	IRON + TRACE	CHECK
ANNUAL TOTAL	5298258	944671	604909	2029	85139	2384	1469	529830	68492	3059334	5298257
2-MONTH SUPPLY (MAX AMOUNT)	883043	157445	100818	338	14190	397	245	88305	11415	509889	883043
AREA AFFECTED BY PROCESSING METHODS											
WELDING (APPROX 1/16" THICKNESS)	7168	1278	818	3	115	3	2	717	93	4139	7168
PLASMA & NON-PLASMA CUTTING (APPROX 1" THICKNESS)	114688	20449	13094	44	1843	52	32	11469	1483	66224	114688
DIPPING/CLEANING (APPROX 1/32" THICKNESS)	3584	639	409	1	58	2	1	358	46	2069	3584
TOTALS FROM ALL PROCESSES	125440	22366	14322	48	2016	56	35	12544	1622	72432	125440
		< 25,000 LB	< 25,000 LB	< 25,000 LB	< 25,000 LB						

DATA FOR
EPA FORM R
2009

3200 Shop	Total Pounds	Chromium	Nickel	Copper	Manganese	Phosphorus	Sulfur	Silicon	Molybdenum	Iron + Trace	
T304	467,849	88,891	42,106		9,357	211	140	46,785		280,358	
T304H	13,876	2,636	1,249		278	6	4	1,388		8,315	
T304L	707,537	134,432	63,678		14,151	318	212	70,754		423,991	
T316	289,617	49,235	34,754		5,792	130	87	28,962	7,240	163,416	
T316 (.04 MIN CARBON)	8,882	1,510	181		178	4	3	888	222	5,896	
T316L	1,480,813	251,738	30,209		29,616	666	444	148,081	37,020	983,038	
T316L (2.75% MOLY)	27,084	4,604	553		542	12	8	2,708	745	17,912	
T317L	182,094	34,598	25,493		3,642	82	55	18,209	6,373	93,642	
T309S	0	0	0		0	0	0	0		0	
T310S	77	19	11		2	0	0	12		34	
T321	20,554	3,905	2,261		411	9	6	2,055		11,906	
T347	1,953	352	215		39	1	1	195		1,151	
HAST 276	362	72	210		4	0	0	36		40	
ALLOY 20	21	4	8		0	0	0	2		6	
OTHER HAST	8	2	5		0	0	0	1		1	
A20CB3	1,507	301	543	53	30	1	0	151		429	
904L	13,839	3,183	3,598		277	6	0	1,384		5,391	
INCO 600	3,212	482	2,312	16	32	1	0	321		47	
INCO 625	15,631	2,345	11,255	78	156	7	0	1,563		227	
INCO 800	1,447	217	1,042	7	14	1	0	145		21	
INCO 825	841	126	605	4	8	0	0	84		12	
NICKEL 200	0	0	0	0	0	0	0	0		0	
90-10 CUNI	250,970	37,645	180,698	1,255	2,510	113	0	25,097		3,652	
70-30 CUNI	89,994	13,499	64,796	450	900	40	0	8,999		1,309	
TITANIUM	177	27	128	1	2	0	0	18		3	
6061 ALUM	910	136	655	5	9	0	0	91		13	
5086 ALUM	0	0	0	0	0	0	0	0		0	
OTHER ALUM	122	18	88	1	1	0	0	12		2	
EVERDUR 655	400	60	288	2	4	0	0	40		6	
Totals For 3200	3,579,778	630,039	466,940	1,871	67,955	1,611	960	357,962	51,601	2,000,819	3,579,778

DATA FOR
EPA FORM R
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3405 Fab Shop	Total Pounds	Chromium	Nickel	Copper	Manganese	Phosphorus	Sulfur	Silicon	Molybdenum	Iron + Trace	
T304	19,799	3,762	1,782		198	9	6	1,980		12,063	
T304H		0	0		0	0	0	0		0	
T304L	1,013,178	192,504	91,186		10,132	456	304	101,318		617,278	
T316	140,947	23,961	16,914		1,409	63	42	14,095	3,524	80,939	
T316 (.04 MIN CARBON)		0	0		0	0	0	0	0	0	
T316L	379,297	64,480	7,738		3,793	171	114	37,930	9,482	255,589	
T316L (2.75% MOLY)	99,867	16,977	2,037		999	45	30	9,987	2,746	67,046	
T317L	32,532	6,181	4,554		325	15	10	3,253	1,139	17,055	
T309		0	0		0	0	0	0		0	
T310S	12,258	3,065	1,716		123	6	4	1,226		6,120	
T321		0	0		0	0	0	0		0	
T347		0	0		0	0	0	0		0	
HAST 276	6,323	1,265	3,667		63	3	0	632		693	
ALLOY 20		0	0	0	0	0	0	0		0	
OTHER HAST		0	0	0	0	0	0	0		0	
A20CB3	2,872	574	1,034	101	29	1	0	287		846	
904L	1,896	436	493	9	19	1	0	190		748	
INCO 600		0	0	0	0	0	0	0		0	
INCO 625		0	0	0	0	0	0	0		0	
INCO 800		0	0	0	0	0	0	0		0	
INCO 825		0	0	0	0	0	0	0		0	
NICKEL 200		0	0	0	0	0	0	0		0	
90-10 CUNI	9,096	1,364	6,549	45	91	4	0	910		132	
70-30 CUNI	343	51	247	2	3	0	0	34		5	
TITANIUM		0	0	0	0	0	0	0		0	
6061 ALUM		0	0	0	0	0	0	0		0	
5086 ALUM		0	0	0	0	0	0	0		0	
OTHER ALUM		0	0	0	0	0	0	0		0	
EVERDUR 655		0	0	0	0	0	0	0		0	
Tantalum	72	11	52	0	1	0	0	7		1	
Totals	1,718,480	314,632	137,970	158	17,185	773	509	171,848	16,891	1,058,515	1,718,480
	Total Pounds	Chromium	Nickel	Copper	Manganese	Phosphorus	Sulfur	Silicon	Molybdenum		
	5,298,258	944,671	604,909	2,029	85,139	2,384	1,469	529,830	68,492	3,059,334	5,298,258
Max Amount (2 months supply)	883,043	157,445	100,818	338	14,190	397	245	88,305	11,415	509,889	
Area Affected by All Processing Methods (Approximate 1/16" strip)											
	7,168	**1,278**	**818**	**3**	**115**	**3**	**2**	**717**	**93**	**4,139**	
% of Total Above		17.83%	11.42%	0.04%	1.61%	0.05%	0.03%	10.00%	1.29%	57.74%	100.00%