2010

ALASKAN COPPER BULK CHEMICALS PROCUREMENT - CALENDAR YEAR 2010
SEATTLE FACILITY

BULK CHEMICALS								
ACETONE	1	DR	x	357	LB	=	357	LB
AMMONIUM BIFLUORIDE	53	BAG	x	50	LB	=	2650	LB
CAUSTIC SODA 50%	6	DR	x	700	LB	=	4200	LB
METHANOL	15	GAL	x	6.63	LB/GAL	=	99.45	LB
NITRIC ACID 67%	15	DR	x	600	LB	=	9000	LB
OAKITE STRIPPER M3	3	DR	x	410	LB	=	1230	LB
TOTAL						=	**17536.45**	**LB**
DENSITY OF METHANOL =	6.63	LB/GAL						

TOTAL CHEMICALS 17,536 BULK CHEMICALS/CY 2010

ALASKAN COPPER METALS - CALENDAR YEAR 2010
SEATTLE FACILITY

	TOTAL POUNDS	CHROMIUM	NICKEL	COPPER	MANGANESE	PHOSPHOROUS	SULFUR	SILICON	MOLYBDENUM	IRON + TRACE	CHECK
ANNUAL TOTAL	4612932	821366	534535	1834	75536	2076	1275	461297	60352	2654660	4612931
2-MONTH SUPPLY (MAX AMOUNT)	768822	136894	89089	306	12589	346	213	76883	10059	442443	768822
AREA AFFECTED BY PROCESSING METHODS											
WELDING (APPROX 1/16" THICKNESS)	6241	1111	723	2	102	3	2	624	82	3591	6241
PLASMA & NON-PLASMA CUTTING (APPROX 1" THICKNESS)	99853	17780	11571	40	1635	45	28	9985	1306	57464	99853
DIPPING/CLEANING (APPROX 1/32" THICKNESS)	3120	556	362	1	51	1	1	312	41	1796	3120
TOTALS FROM ALL PROCESSES	109215	19446	12656	43	1788	49	30	10922	1429	62851	109215
		< 25,000 LB	< 25,000 LB	< 25,000 LB	< 25,000 LB						

DATA FOR
EPA FORM R
2010

3200 Shop	Total Pounds	Chromium	Nickel	Copper	Manganese	Phosphorus	Sulfur	Silicon	Molybdenum	Iron + Trace	
T304	427,842	81,290	38,506		8,557	193	128	42,784		256,384	
T304H	12,690	2,411	1,142		254	6	4	1,269		7,604	
T304L	647,033	122,936	58,233		12,941	291	194	64,703		387,735	
T316	264,851	45,025	31,782		5,297	119	79	26,485	6,621	149,442	
T316 (.04 MIN CARBON)	8,123	1,381	166		162	4	2	812	203	5,392	
T316L	1,354,184	230,211	27,625		27,084	609	406	135,418	33,855	898,975	
T316L (2.75% MOLY)	24,768	4,211	505		495	11	7	2,477	681	16,380	
T317L	166,523	31,639	23,313		3,330	75	50	16,652	5,828	85,634	
T309S	0	0	0		0	0	0	0		0	
T310S	70	18	10		1	0	0	11		31	
T321	18,796	3,571	2,068		376	8	6	1,880		10,888	
T347	1,786	322	196		36	1	1	179		1,053	
HAST 276	331	66	192		3	0	0	33		36	
ALLOY 20	19	4	7		0	0	0	2		6	
OTHER HAST	8	2	4		0	0	0	1		1	
A20CB3	1,378	276	496	48	28	1	0	138		392	
904L	12,655	2,911	3,290		253	6	0	1,266		4,930	
INCO 600	2,937	441	2,115	15	29	1	0	294		43	
INCO 625	14,295	2,144	10,292	71	143	6	0	1,429		208	
INCO 800	1,323	199	953	7	13	1	0	132		19	
INCO 825	769	115	554	4	8	0	0	77		11	
NICKEL 200	0	0	0	0	0	0	0	0		0	
90-10 CUNI	229,509	34,426	165,246	1,148	2,295	103	0	22,951		3,339	
70-30 CUNI	82,299	12,345	59,255	411	823	37	0	8,230		1,197	
TITANIUM	162	24	117	1	2	0	0	16		2	
6061 ALUM	832	125	599	4	8	0	0	83		12	
5086 ALUM	0	0	0	0	0	0	0	0		0	
OTHER ALUM	112	17	80	1	1	0	0	11		2	
EVERDUR 655	366	55	263	2	4	0	0	37		5	
Totals For 3200	3,273,660	576,163	427,010	1,711	62,144	1,473	878	327,370	47,188	1,829,723	3,273,660

DATA FOR
EPA FORM R
2010

3405 Fab Shop	Total Pounds	Chromium	Nickel	Copper	Manganese	Phosphorus	Sulfur	Silicon	Molybdenum	Iron + Trace	
T304	15,430	2,932	1,389		154	7	5	1,543		9,401	
T304H		0	0		0	0	0	0		0	
T304L	789,605	150,025	71,064		7,896	355	237	78,960		481,067	
T316	109,845	18,674	13,181		1,098	49	33	10,985	2,746	63,079	
T316 (.04 MIN CARBON)		0	0		0	0	0	0	0	0	
T316L	295,599	50,252	6,030		2,956	133	89	29,560	7,390	199,189	
T316L (2.75% MOLY)	77,830	13,231	1,588		778	35	23	7,783	2,140	52,251	
T317L	25,353	4,817	3,549		254	11	8	2,535	887	13,291	
T309		0	0		0	0	0	0		0	
T310S	9,553	2,388	1,337		96	4	3	955		4,770	
T321		0	0		0	0	0	0		0	
T347		0	0		0	0	0	0		0	
HAST 276	4,928	986	2,858		49	2	0	493		540	
ALLOY 20		0	0	0	0	0	0	0		0	
OTHER HAST		0	0	0	0	0	0	0		0	
A20CB3	2,238	448	806	78	22	1	0	224		659	
904L	1,478	340	384	7	15	1	0	148		583	
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	7,089	1,063	5,104	35	71	3	0	709		103	
70-30 CUNI	267	40	192	1	3	0	0	27		4	
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	56	8	40	0	1	0	0	6		1	
Totals	1,339,272	245,204	107,524	123	13,393	603	397	133,927	13,164	824,937	1,339,272
	Total Pounds	Chromium	Nickel	Copper	Manganese	Phosphorus	Sulfur	Silicon	Molybdenum		
	4,612,932	821,366	534,535	1,834	75,536	2,076	1,275	461,297	60,352	2,654,660	4,612,932
Max Amount (2 months supply)	768,822	136,894	89,089	306	12,589	346	212	76,883	10,059	442,443	
Area Affected by All Processing Methods (Approximate 1/16" strip)											
	6,241	**1,111**	**723**	**2**	**102**	**3**	**2**	**624**	**82**	**3,592**	
	% of Total Above	17.81%	11.59%	0.04%	1.64%	0.05%	0.03%	10.00%	1.31%	57.55%	100.00%

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