	Nevada Division of Environmental Protection										
						ı of Air Pollu		1011			
		Calendar V	oar 2015 Acti	ual Production				nissions from the Precious Metals Mining Industry			
								t To Construct (MOPTC) Data Submittals			
Pollutant ID	Production/Heat	Production Units			Hg Annual	, ,	Hg Co-Product				
· onatant ib	Rate	(eg. tons/yr)	Factor		Emissions (lbs/yr)						
Source: New	mont Mining Cor				1-0723.01; MOPTC A						
					01 - 1 of 2, only one of						
Hg	56.34	tpy	0.000401	lbs/hr	0.1766	441	0.0000	Induction Furnace emissions factor derived from 2015 M29 stack test.			
System Desc	ription: Juniper N	Mill Electric Induct	ion Furnace (S2.001.1/TU4	.002 - 1 of 2, only one	operates at	a time)				
Hg	45.33	tpy	0.000103	lbs/hr	0.0370	360	0.0000	Induction Furnace emissions factor derived from 2015 M29 stack test.			
System Desc	ription: Juniper N	Mill Carbon Kiln (S	2.002/TU4.00	03)							
Hg	4,606.43	tpy	0.000431	lbs/hr	3.3355	7,739	0.0000	Carbon Kiln emissions factor derived from 2015 M29 stack test.			
System Desc		Retort Circuit #1 (004)							
Hg	24.97	tpy	0.000316	lbs/hr	1.0690	3,383	0.0000	Retort #1 emissions factor derived from 2015 M29 stack test.			
System Desc		Retort Circuit #2 (005)							
Hg	21.70	tpy	0.0000172	lbs/hr	0.0523	3,044	0.0000	Retort #2 emissions factor derived from 2015 M29 stack test.			
System Desc		Autoclave #1 (S		4)							
Hg	1,892,678.00	tpy	0.0000125	lbs/hr	0.1001	8,011	0.0000	Autoclave #1 emissions factor derived from 2015 M29 stack test.			
System Desc		Autoclave #2 (Sa									
Hg	1,934,615.00	tpy	0.0000129	lbs/hr	0.1045	8,102	0.0000	Autoclave #2 emissions factor derived from 2015 M29 stack test.			
System Desc		vinning Cells (TU4									
Hg	74.87		0.00000945		0.0821	8,688	0.0000	Electro-winning Cells emissions factor derived from 2015 M29 stack test.			
					TU4.006 - TU4.008)						
Hg	85.57		0.0000328		0.2873	8,760	0.0000	Preg./Barren Tanks emissions factor derived from 2015 M29 stack test.			
•					J4.012 & TU4.013)						
Hg	95.59	MMGals/yr	0.00126	lbs/hr	11.0376	8,760	0.0000	Preg./Barren Tanks emissions factor derived from 2015 M29 stack test.			
	ription: Mercury	Co-Product									
Hg					0.0000			Facility-wide mercury co-product collected, no breakout by system provided.			
_	ription: Laborato	ry Sample Prep. I	Room, Fire As	ssay Room, W		Prep. Room,		nstrumentation Room, Met Lab Room & Autoclave Room			
Hg					3.9781			Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.			
				Facility Total:	434.3715			CY2006 Co-product: 17,820 lbs/yr			
				Facility Total:	929.9303			CY2007 Co-product: 26,432 lbs/yr.			
				Facility Total:	1,679.1864			CY2008 Co-product: 17,600 lbs/yr.			
				Facility Total:	425.7559			CY2009 Co-product: 11,816 lbs/yr.			
				Facility Total:	178.8392			CY2010 Co-product: 10,934 lbs/yr.			
				Facility Total:	452.1731			CY2011 Co-product: 7,988 lbs/yr.			
				Facility Total:	695.2002			CY2012 Co-product: 9,308 lbs/yr.			
				Facility Total:	148.5169			CY2013 Co-product: 15,474 lbs/yr.			
				Facility Total:	68.4077			CY2014 Co-product: 20,021 lbs/yr.			
			CY2015 F	acility Total:	20.2603		5.2900	CY2015 Co-product: 10,580 lbs/yr.			

System Desc		10 1	Mi /f	- ul \		O	D LICA	1 In a 1: ACCD AD4044 0400: MODTO AD4044 0047
_								A, Inc.): AQOP AP1041-3422; MOPTC AP1041-2217
					TU4.002A - West Roa			/
Hg	566,479.00	tpy	0.00407	lbs/hr	26.9515	6,622	0.0000	Roaster emissions factor derived from 2015 M29 stack test.
	. •				U4.003A - East Roas			
Hg	575,562.00	tpy	0.001103	lbs/hr	7.3780	6,689	0.0000	Roaster emissions factor derived from 2015 M29 stack test.
	cription: Ore Drye	r (S2.022/TU4.0						
Hg	1,202,430.00	tpy	0.00519	lbs/hr	27.7042	5,338	0.0000	Ore Dryer emissions factor derived from 2015 M29 stack test.
System Desc	cription: Mercury	Retort (S2.039.1						
Hg	12.70	tpy	0.0000493	lbs/hr	0.0722	1,464	0.0000	Retort emissions factor derived from 2015 M29 stack test.
System Desc	cription: Refining	Process Induction	on Furnace (S2	.039.2/TU4.00	19)			
Hg	6.36	tpy	0.000151	lbs/hr	0.0260	172	0.0000	Furnace emissions factor derived from 2015 M29 stack test.
System Desc	cription: Electro-w	inning Cells & P	regnant/Barrer	Strip Solution	n Tanks (S2.038.1 - S	S2.038.4/TU ²	I.004 - TU4.00	7)
Hg	19,166,399.00	gal/yr	0.003504	lbs/hr	30.6950	8,760	0.0000	EW Cells and P/B Tanks emissions factor derived from 2015 M29 stack test.
System Desc	cription: Mercury	Co-Product						
Hg					0.0000		5.3400	Facility-wide mercury co-product collected, no breakout by system provided.
	cription: Laborato	ry Units Including	g Large Ore Dr	ying Ovens (5	Units) and Electro-w	inning Cells		
Hg		,		, , , , , , , , , ,	4.2726		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
9	1		CY2006 F	acility Total:	293.9245		2.9600	CY2006 Co-product: 5,920 lbs/yr.
				acility Total:	1,966.3934		1.0200	CY2007 Co-product: 2,040 lbs/yr.
				acility Total:	219.9723		0.7100	CY2008 Co-product: 1,420 lbs/yr.
I				acility Total:	138.9704	1	2.1000	CY2009 Co-product: 4,200 lbs/yr.
				acility Total:	34.9527		11.0380	CY2010 Co-product: 42.076 lbs/yr.
				acility Total:	69.8714		0.0000	CY2011 Co-product: 0.00 lbs/yr.
				acility Total:	29.8595		1.5200	CY2012 Co-product: 0.00 lbs/yr.
				acility Total:	26.6023		2.5600	CY2013 Co-product: 5,120 lbs/yr.
				acility Total:	13.4934		3.9820 5.3400	CY2014 Co-product: 7,964 lbs/yr.
				acility Total:	97.0995		5.3400	CY2015 Co-product: 10,675 lbs/yr.
					; MOPTC AP1041-22	219		
_					: S2.120/TU4.001)	T		
Hg	3,625,185.00	tpy	0.0004499	lbs/hr	3.4224	7,607	0.0000	Static Seperator emissions factor derived from 2015 M29 stack test.
_			a Drahaatara (S	20 106 8 80 10	29/ TU4.002 & TU4.0	JU3/		•
Hg						. /		
	3,525,648.00	tpy	0.010469	lbs/hr	82.8098	7,910	0.0000	Ore Preheater's emissions factor derived from 2015 M29 stack test.
System Desc		tpy	0.010469	lbs/hr		7,910	0.0000	Ore Preheater's emissions factor derived from 2015 M29 stack test.
Hg	oription: CFB Nor 3,525,648.00	tpy th and South Ore tpy	0.010469 e Roasters (S2 0.000592	lbs/hr .133 & S2.145 lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827	7,910 5) 7,910	0.0000	Ore Preheater's emissions factor derived from 2015 M29 stack test. Ore Roaster's factor derived from 2015 M29 stack test.
Hg	oription: CFB Nor 3,525,648.00	tpy th and South Ore tpy	0.010469 e Roasters (S2 0.000592	lbs/hr .133 & S2.145 lbs/hr	82.8098 /TU4.004 & TU4.005	7,910 5) 7,910	0.0000	Ore Roaster's factor derived from 2015 M29 stack test.
Hg System Desc Hg	cription: CFB Nor 3,525,648.00 cription: ROTP No 1,809,101.00	tpy th and South Ord tpy orth Calcine Que tpy	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725	lbs/hr .133 & S2.145 lbs/hr 2.158 & S2.159 lbs/hr	82.8098 6/TU4.004 & TU4.005 4.6827 9/TU4.006 - TU4.009 29.4648	7,910 5) 7,910)		
Hg System Desc Hg	cription: CFB Nor 3,525,648.00 cription: ROTP No 1,809,101.00 cription: ROTP So	tpy th and South Ord tpy orth Calcine Que tpy	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725	lbs/hr .133 & S2.145 lbs/hr 2.158 & S2.159 lbs/hr	82.8098 7TU4.004 & TU4.005 4.6827 9/TU4.006 - TU4.009	7,910 7,910) 7,910) 7,910	0.0000	Ore Roaster's factor derived from 2015 M29 stack test.
Hg System Desc Hg System Desc Hg	cription: CFB Nor 3,525,648.00 cription: ROTP No 1,809,101.00 cription: ROTP So 1,716,547.00	tpy th and South Ore tpy orth Calcine Que tpy outh Calcine Que	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265	lbs/hr .133 & S2.145 lbs/hr 2.158 & S2.159 lbs/hr 2.160 & S2.16 lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827 9/TU4.006 - TU4.009 29.464 1/TU4.010 - TU4.013 25.3984	7,910 5) 7,910)	0.0000	Ore Roaster's factor derived from 2015 M29 stack test.
Hg System Desc Hg System Desc Hg	cription: CFB Nor 3,525,648.00 cription: ROTP No 1,809,101.00 cription: ROTP So	tpy th and South Ore tpy orth Calcine Que tpy outh Calcine Que	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265	lbs/hr .133 & S2.145 lbs/hr 2.158 & S2.159 lbs/hr 2.160 & S2.16 lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827 9/TU4.006 - TU4.009 29.464 1/TU4.010 - TU4.013 25.3984	7,910 7,910) 7,910) 7,910	0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test.
Hg System Desc Hg System Desc Hg	cription: CFB Nor 3,525,648.00 cription: ROTP No 1,809,101.00 cription: ROTP So 1,716,547.00	tpy th and South Ore tpy orth Calcine Que tpy outh Calcine Que	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265	lbs/hr .133 & S2.145 lbs/hr 2.158 & S2.159 lbs/hr 2.160 & S2.16 lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827 9/TU4.006 - TU4.009 29.464 1/TU4.010 - TU4.013 25.3984	7,910 7,910) 7,910) 7,910	0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test.
Hg System Desc Hg System Desc Hg System Desc Hg Hg System Desc	cription: CFB Nor 3,525,648.00 cription: ROTP No 1,809,101.00 cription: ROTP So 1,716,547.00 cription: AARL Ca	tpy th and South Ore tpy orth Calcine Que tpy outh Calcine Que tpy arbon Stripping C	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265 Circuit (Pregnar 0.0000246	lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827 3/TU4.006 - TU4.009 29.4648 1/TU4.010 - TU4.013 25.3984 .014 & TU4.015) 0.2058	7,910 7,910) 7,910) 7,910 8) 7,779	0.0000 0.0000 0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test. South Quench Circuit emissions factor derived from 2015 M29 stack test.
Hg System Desc Hg System Desc Hg System Desc Hg Hg System Desc	cription: CFB Nor 3,525,648.00 cription: ROTP No 1,809,101.00 cription: ROTP So 1,716,547.00 cription: AARL Ca 14,742.00	tpy th and South Ore tpy orth Calcine Que tpy outh Calcine Que tpy arbon Stripping C	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265 Circuit (Pregnar 0.0000246	lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827 3/TU4.006 - TU4.009 29.4648 1/TU4.010 - TU4.013 25.3984 .014 & TU4.015) 0.2058	7,910 7,910) 7,910) 7,910 8) 7,779	0.0000 0.0000 0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test. South Quench Circuit emissions factor derived from 2015 M29 stack test.
Hg System Desc Hg	cription: CFB Nor 3,525,648.00 cription: ROTP No 1,809,101.00 cription: ROTP So 1,716,547.00 cription: AARL Ca 14,742.00 cription: Refinery 41,433,101.00	tpy th and South Ord tpy orth Calcine Que tpy outh Calcine Que tpy arbon Stripping C tpy Barren Tank & E gals/yr	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265 Circuit (Pregnar 0.000246 Electro-winning 0.000252	lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827 9/TU4.006 - TU4.009 29.4648 1/TU4.010 - TU4.013 25.3984 .014 & TU4.015) 0.2058 6 & TU4.017) 1.8855	7,910 7,910 7,910 7,910 3) 7,779 8,364	0.0000 0.0000 0.0000 0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test. South Quench Circuit emissions factor derived from 2015 M29 stack test. Pergnant Strip Tanks emissions factor derived from 2015 M29 stack test.
Hg System Desc Hg	cription: CFB Nor 3,525,648.00 cription: ROTP No 1,809,101.00 cription: ROTP So 1,716,547.00 cription: AARL Ca 14,742.00 cription: Refinery	tpy th and South Ord tpy orth Calcine Que tpy outh Calcine Que tpy arbon Stripping C tpy Barren Tank & E gals/yr	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265 Circuit (Pregnar 0.000246 Electro-winning 0.000252	lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827 9/TU4.006 - TU4.009 29.4648 1/TU4.010 - TU4.013 25.3984 .014 & TU4.015) 0.2058 6 & TU4.017) 1.8855	7,910 7,910 7,910 7,910 3) 7,779 8,364	0.0000 0.0000 0.0000 0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test. South Quench Circuit emissions factor derived from 2015 M29 stack test. Pergnant Strip Tanks emissions factor derived from 2015 M29 stack test. Barren Tank/EW Cells emissions factor derived from 2015 M29 stack test.
Hg System Desc Hg	cription: CFB Nor 3,525,648.00 cription: ROTP No 1,809,101.00 cription: ROTP Sc 1,716,547.00 cription: AARL Ca 14,742.00 cription: Refinery 41,433,101.00 cription: Refinery 0.00	tpy th and South Ore tpy orth Calcine Que tpy outh Calcine Que tpy arbon Stripping (tpy Barren Tank & E gals/yr Mercury Retort (tpy	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265 Circuit (Pregnar 0.000246 electro-winning 0.000252 Circuit (S2.041 0	lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827 9/TU4.006 - TU4.009 29.4648 1/TU4.010 - TU4.013 25.3984 .014 & TU4.015) 0.2058 6 & TU4.017) 1.8855 018 - TU4.023) 0.0000	7,910 7,910 7,910 7,910 7,910 8,364 7,482	0.0000 0.0000 0.0000 0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test. South Quench Circuit emissions factor derived from 2015 M29 stack test. Pergnant Strip Tanks emissions factor derived from 2015 M29 stack test.
Hg System Desc	cription: CFB Nor 3,525,648.00 cription: ROTP No 1,809,101.00 cription: ROTP Sc 1,716,547.00 cription: AARL Ca 14,742.00 cription: Refinery 41,433,101.00 cription: Refinery 0.00 cription: Electric F	tpy th and South Ore tpy orth Calcine Que tpy outh Calcine Que tpy arbon Stripping C tpy Barren Tank & E gals/yr Mercury Retort C tpy Refinery Induction	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265 circuit (Pregnar 0.000246 electro-winning 0.000252 circuit (S2.041 0	lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827 9/TU4.006 - TU4.009 29.4648 1/TU4.010 - TU4.013 25.3984 .014 & TU4.015) 0.2058 6 & TU4.017) 1.8855 018 - TU4.023) 0.0000 /TU4.024 - TU4.026)	7,910 7,910 7,910 7,910 7,910 8,364 7,482	0.0000 0.0000 0.0000 0.0000 0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test. South Quench Circuit emissions factor derived from 2015 M29 stack test. Pergnant Strip Tanks emissions factor derived from 2015 M29 stack test. Barren Tank/EW Cells emissions factor derived from 2015 M29 stack test. Units were decommissioned in May, 2012.
Hg System Desc Hg	cription: CFB Nor 3,525,648.00 cription: ROTP Nor 1,809,101.00 cription: ROTP Sciption: ROTP Sciption: AARL Call 14,742.00 cription: Refinery 41,433,101.00 cription: Refinery 0.00 cription: Refinery 67.80	tpy th and South Ore tpy orth Calcine Que tpy outh Calcine Que tpy arbon Stripping C tpy Barren Tank & E gals/yr Mercury Retort C tpy Refinery Induction	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265 circuit (Pregnar 0.000246 electro-winning 0.000252 circuit (S2.041 0 n Furnaces (S2 0.008292	lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827 9/TU4.006 - TU4.009 29.4648 1/TU4.010 - TU4.013 25.3984 .014 & TU4.015) 0.2058 6 & TU4.017) 1.8855 018 - TU4.023) 0.0000 /TU4.024 - TU4.026) 3.5904	7,910 7,910 7,910 7,910 7,910 8,364 7,482	0.0000 0.0000 0.0000 0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test. South Quench Circuit emissions factor derived from 2015 M29 stack test. Pergnant Strip Tanks emissions factor derived from 2015 M29 stack test. Barren Tank/EW Cells emissions factor derived from 2015 M29 stack test.
Hg System Desc	cription: CFB Nor 3,525,648.00 cription: ROTP Nor 1,809,101.00 cription: ROTP Sci 1,716,547.00 cription: AARL Ca 14,742.00 cription: Refinery 41,433,101.00 cription: Refinery 0.00 cription: Electric F 67.80 cription: Carbon F	tpy th and South Ore tpy orth Calcine Que tpy outh Calcine Que tpy arbon Stripping C tpy Barren Tank & E gals/yr Mercury Retort C tpy Refinery Induction tpy Kiln #1 (Zadra Bu	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265 circuit (Pregnar 0.000246 electro-winning 0.000252 circuit (S2.041 0 n Furnaces (S2 0.008292 uilding) Scrubbe	lbs/hr	82.8098 //TU4.004 & TU4.005	7,910 7,910 7,910 7,910 7,910 8,364 7,482 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test. South Quench Circuit emissions factor derived from 2015 M29 stack test. Pergnant Strip Tanks emissions factor derived from 2015 M29 stack test. Barren Tank/EW Cells emissions factor derived from 2015 M29 stack test. Units were decommissioned in May, 2012. Induction Furnace emissions factor derived from 2015 M29 stack test.
Hg System Desc Hg	cription: CFB Nor 3,525,648.00 cription: ROTP Nor 1,809,101.00 cription: ROTP Sci 1,716,547.00 cription: AARL Ca 14,742.00 cription: Refinery 41,433,101.00 cription: Refinery 0.00 cription: Electric F 67.80 cription: Carbon F 7,477.00	tpy th and South Ore tpy orth Calcine Que tpy outh Calcine Que tpy arbon Stripping C tpy Barren Tank & E gals/yr Mercury Retort C tpy Refinery Induction tpy (iln #1 (Zadra Bu	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265 Circuit (Pregnar 0.0000246 Electro-winning 0.000252 Circuit (S2.041 0 n Furnaces (S2 0.008292 iilding) Scrubbe 0.0000872	lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827 3/TU4.006 - TU4.009 29.4648 1/TU4.010 - TU4.013 25.3984 .014 & TU4.015) 0.2058 6 & TU4.017) 1.8855 018 - TU4.023) 0.0000 /TU4.024 - TU4.026) 3.5904 56/TU4.027) 0.6839	7,910 7,910 7,910 7,910 7,910 8,364 7,482	0.0000 0.0000 0.0000 0.0000 0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test. South Quench Circuit emissions factor derived from 2015 M29 stack test. Pergnant Strip Tanks emissions factor derived from 2015 M29 stack test. Barren Tank/EW Cells emissions factor derived from 2015 M29 stack test. Units were decommissioned in May, 2012.
Hg System Desc	cription: CFB Nor 3,525,648.00 cription: ROTP Nor 1,809,101.00 cription: ROTP Scription: ROTP Scription: AARL Ca 14,742.00 cription: Refinery 41,433,101.00 cription: Refinery 0.00 cription: Electric F 67.80 cription: Carbon F 7,477.00 cription: Carbon F C	tpy th and South Ore tpy orth Calcine Que tpy outh Calcine Que tpy arbon Stripping C tpy Barren Tank & E gals/yr Mercury Retort C tpy Refinery Induction tpy (iln #1 (Zadra Bu tpy (iln #2 (AARL Bu	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265 Circuit (Pregnar 0.0000246 Electro-winning 0.000252 Circuit (S2.041 0 n Furnaces (S2 0.008292 iilding) Scrubbe 0.0000872	lbs/hr	82.8098 //TU4.004 & TU4.005	7,910 7,910 7,910 7,910 7,910 8,364 7,482 0 433	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test. South Quench Circuit emissions factor derived from 2015 M29 stack test. Pergnant Strip Tanks emissions factor derived from 2015 M29 stack test. Barren Tank/EW Cells emissions factor derived from 2015 M29 stack test. Units were decommissioned in May, 2012. Induction Furnace emissions factor derived from 2015 M29 stack test. Kiln Scrubber Stack emissions factor derived from 2015 M29 stack test.
Hg System Desc Hg	cription: CFB Nor 3,525,648.00 cription: ROTP Nor 1,809,101.00 cription: ROTP Sor 1,716,547.00 cription: AARL Ca 14,742.00 cription: Refinery 41,433,101.00 cription: Refinery 0.00 cription: Electric F 67.80 cription: Carbon Mary 1,477.00 cription:	tpy th and South Ord tpy orth Calcine Que tpy outh Calcine Que tpy arbon Stripping C tpy Barren Tank & E gals/yr Mercury Retort C tpy Refinery Induction tpy (ilin #1 (Zadra Bu tpy (ilin #2 (AARL Bu	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265 circuit (Pregnar 0.000246 electro-winning 0.000252 circuit (S2.041 0 n Furnaces (S2 0.008292 iliding) Scrubbe 0.0003948	lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827 3/TU4.006 - TU4.009 29.4648 1/TU4.010 - TU4.013 25.3984 .014 & TU4.015) 0.2058 6 & TU4.017) 1.8855 018 - TU4.023) 0.0000 /TU4.024 - TU4.026) 3.5904 56/TU4.027) 0.6839	7,910 7,910 7,910 7,910 7,910 8,364 7,482 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test. South Quench Circuit emissions factor derived from 2015 M29 stack test. Pergnant Strip Tanks emissions factor derived from 2015 M29 stack test. Barren Tank/EW Cells emissions factor derived from 2015 M29 stack test. Units were decommissioned in May, 2012. Induction Furnace emissions factor derived from 2015 M29 stack test.
Hg System Desc	cription: CFB Nor 3,525,648.00 cription: ROTP Nor 1,809,101.00 cription: ROTP Sor 1,716,547.00 cription: AARL Ca 14,742.00 cription: Refinery 41,433,101.00 cription: Refinery 0.00 cription: Electric F 67.80 cription: Carbon Mary 1,747.00 cription:	tpy th and South Ord tpy orth Calcine Que tpy outh Calcine Que tpy arbon Stripping C tpy Barren Tank & E gals/yr Mercury Retort C tpy Refinery Induction tpy (iln #1 (Zadra Bu tpy (iln #2 (AARL Bu tpy Mercury Retort C	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265 circuit (Pregnar 0.000246 electro-winning 0.000252 circuit (S2.041 0 n Furnaces (S2 0.008292 iliding) Scrubbe 0.000872 iliding) Scrubbe 0.003948 circuit (S2.225/	lbs/hr	82.8098 /TU4.004 & TU4.005 4.6827 9/TU4.006 - TU4.009 29.4648 1/TU4.010 - TU4.013 25.3984 .014 & TU4.015) 0.2058 6 & TU4.017) 1.8855 018 - TU4.023) 0.0000 /TU4.024 - TU4.026) 3.5904 56/TU4.027) 0.6839 58?TU4.028) 27.6913	7,910 7,910 7,910 7,910 7,910 8,364 7,482 0 433 7,843 7,014	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test. South Quench Circuit emissions factor derived from 2015 M29 stack test. Pergnant Strip Tanks emissions factor derived from 2015 M29 stack test. Barren Tank/EW Cells emissions factor derived from 2015 M29 stack test. Units were decommissioned in May, 2012. Induction Furnace emissions factor derived from 2015 M29 stack test. Kiln Scrubber Stack emissions factor derived from 2015 M29 stack test. Kiln Scrubber Stack emissions factor derived from 2015 M29 stack test.
Hg System Desc Hg	cription: CFB Nor 3,525,648.00 cription: ROTP Nor 1,809,101.00 cription: ROTP Sor 1,716,547.00 cription: AARL Ca 14,742.00 cription: Refinery 41,433,101.00 cription: Refinery 0.00 cription: Electric F 67.80 cription: Carbon Mary 1,477.00 cription:	tpy th and South Ore tpy orth Calcine Que tpy outh Calcine Que tpy arbon Stripping C tpy Barren Tank & E gals/yr Mercury Retort C tpy Refinery Induction tpy (iln #1 (Zadra Bu tpy Mercury Retort C tpy Mercury Retort C tpy (iln #2 (AARL Bu tpy Mercury Retort C tpy Mercury Retort C	0.010469 e Roasters (S2 0.000592 ench Circuit (S2 0.003725 ench Circuit (S2 0.003265 Circuit (Pregnar 0.000246 Electro-winning 0.000252 Circuit (S2.041 0 n Furnaces (S2 0.008292 dilding) Scrubbe 0.0003948 Circuit (S2.225/ 6.36E-08	lbs/hr	82.8098 //TU4.004 & TU4.005	7,910 7,910 7,910 7,910 7,910 8,364 7,482 0 433	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	Ore Roaster's factor derived from 2015 M29 stack test. North Quench Circuit emissions factor derived from 2015 M29 stack test. South Quench Circuit emissions factor derived from 2015 M29 stack test. Pergnant Strip Tanks emissions factor derived from 2015 M29 stack test. Barren Tank/EW Cells emissions factor derived from 2015 M29 stack test. Units were decommissioned in May, 2012. Induction Furnace emissions factor derived from 2015 M29 stack test. Kiln Scrubber Stack emissions factor derived from 2015 M29 stack test.

Ha	23.80	tpy	1.67E-08	lbs/hr	0.0000	1.347	0.0000	Retort Circuit emissions factor derived from 2015 M29 stack test.			
		Mercury Retort C			0.0000	1,047	0.0000	Tretort Oricuit Chilosophis lactor derived from 2010 Mi20 Stack test.			
Ha	5.40	tpy	2.82E-08	lbs/hr	0.0000	273	0.0000	Retort Circuit emissions factor derived from 2015 M29 stack test.			
9	cription: Mercury		2.02L-00	105/111	0.0000	2/3	0.0000	Thetort Circuit emissions factor derived from 2013 W29 Stack test.			
	I wercury	Co-Floduct	I		0.0000		F 0700	Totally the second of the seco			
Hg					0.0000		5.2700	Facility-wide mercury co-product collected, no breakout by system provided.			
	ription: Assay La	aboratory, Met Lat	oratory & inte	grated Labor	0.9080		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.			
Hg			0\/0000	::::			2.7200	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
				acility Total:	310.6937			CY2006 Co-product: 5,440 lbs/yr.			
				acility Total:			6.1600	CY2007 Co-product: 12,320 lbs/yr.			
				acility Total:	422.4137		6.7700	CY2008 Co-product: 13,540 lbs/yr.			
				acility Total:			5.3900	CY2009 Co-product: 10,780 lbs/yr.			
				acility Total:			5.7000	CY2010 Co-product: 11,400 lbs/yr.			
				acility Total:	222.6075		3.8500	CY2011 Co-product: 7.700 lbs/yr.			
				acility Total:	231.8539		7.6100	CY2012 Co-product: 15,220 lbs/yr.			
				acility Total:			4.3200	CY2013 Co-product: 8,640 lbs/yr.			
				acility Total:			6.2800	CY2014 Co-product: 12,560 lbs/yr.			
				acility Total:			5.2700	CY2015 Co-product: 10,540 lbs/yr.			
	Source: Klondex Midas Operations, Inc. (formerly Newmont Midas Operations): AQOP AP1041-0766.01; MOPTC AP1041-2253										
		Furnace #1 (S2.0									
Hg	113.09	tpy	0.000274	lbs/hr	0.1666	608	0.0000	Furnace #1 emissions factor derived from 2015 M29 stack test.			
		Furnace #2 (S2.0									
Hg	59.07	tpy	0.000968	lbs/hr	0.3606	373	0.0000	Furnace #2 emissions factor derived from 2015 M29 stack test.			
		(S2.037/TU4.003									
Hg	64.52	tpy	0.0000506	lbs/hr	0.1441	2,847	0.0000	Retort A emissions factor derived from July 2015 M29 stack test.			
	cription: Retort B	(S2.038/TU4.004	<i>'</i>								
Hg		tpy	0	lbs/hr	0.0000	0	0.0000	Retort B decommissioned in July, 2012.			
_		(S2.052/TU4.005	/								
Hg	44.06	tpy	0.00000619	lbs/hr	0.0113	1,825	0.0000	Retort C emissions factor derived from 2015 M29 stack test.			
	cription: Mercury	Co-Product									
Hg					0.0000		0.0020	Facility-wide mercury co-product collected, no breakout by system provided.			
	cription: Assay La	aboratory									
Hg				lbs/hr	2.3246		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.			
				acility Total:	17.1801		0.0000	CY2006 Co-product: 0.00 lbs/yr.			
				acility Total:	4.2457		0.0000	CY2007 Co-product: 0.00 lbs/yr.			
				acility Total:	41.3420		0.0000	CY2008 Co-product: 0.00 lbs/yr.			
				acility Total:	6.4395		0.0000	CY2009 Co-product: 0.00 lbs/yr.			
				acility Total:	14.2333		0.0000	CY2010 Co-product: 0.00 lbs/yr.			
				acility Total:	32.0815		0.0099	CY2011 Co-product: 19.87 lbs/yr.			
			CY2012 F	acility Total:	21.8322		0.0100	CY2012 Co-product: 10.40 lbs/yr.			
				acility Total:	16.3548		0.0059	CY2013 Co-product: 11.90 lbs/yr.			
				acility Total:			0.0030	CY2014 Co-product: 5.72 lbs/yr.			
			CY2015 Fa	acility Total:	3.0071		0.0020	CY2015 Co-product: 3.96 lbs/yr.			

Course I/O Minimu (Delal Manustain) Inc. I I un											
Source: KG Mining (Bald Mountain), Inc - Huntington Valley/Mooney Basin (formerly Barrick, Bald Mountain Mine): AQOP AP1041-1362; MOPTC AP1041-2246											
System Description: Propane Fired Carbon Re	egeneration Kiln (S	S2.001/TU4	4.001)								
Hg tpy	0	lbs/hr	0.0000	0	0.0000	Carbon Kiln decommissioned in May, 2012.					
System Description: Propane Fired Mercury R	etort (S2.002/TU4	1.002)									
Hg tpy	0	lbs/hr	0.0000	0	0.0000	Retort decommissioned in May, 2012.					
System Description: Propane Fired Bullion Fu	rnace (S2.003/TU	4.003)									
Hg tpy	0	lbs/hr	0.0000	0	0.0000	Bullion Furnace decommissioned in May, 2012.					
System Description: Electro-winning Circuit (I/	A1.024/TU4.004) a	and Barren	Strip Solution Tank (7	TU4.005)							
Hg gals/yr	0	lbs/hr	0.0000	0	0.0000	EW Circuit decommissioned in May, 2012.					
System Description: Mercury Co-Product											
Hg			0.0000		0.0000	Facility-wide mercury co-product collected, no breakout by system provided.					
System Description: Assay Laboratory											
Hg			3.1239		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Review.					
	CY2006 Fac		204.3025		2.9400	CY2006 Co-product: 5,880 lbs/yr.					
	CY2007 Fac		57.4138		2.2750	CY2007 Co-product: 4,550 lbs/yr.					
	CY2008 Fac		278.3220		2.6000	CY2008 Co-product: 5,200 lbs/yr.					
	CY2009 Fac		5.8995		1.5600	CY2009 Co-product: 3,120 lbs/yr.					
	CY2010 Fac		7.8188		1.4300	CY2010 Co-product: 2,860 lbs/yr.					
	CY2011 Fac		3.2198		1.6100	CY2011 Co-product: 3,220.00 lbs/yr.					
	CY2012 Fac		3.1464		0.0000	CY2012 Co-product: 0.00 lbs/yr.					
	CY2013 Fac		3.6439		0.0000	CY2013 Co-product: 0.00 lbs/yr.					
	CY2014 Fac		3.6439		0.0000	CY2014 Co-product: 0.00 lbs/yr.					
	CY2015 Facil		3.1239		0.0000	CY2015 Co-product: 0.00 lbs/yr.					
			Rawhide Mining Com	npany): AQC	P AP1041-28	92; OPTC AP1041-2975; MOPTC AP1041-2245					
System Description: Carbon Regeneration Kill		1)									
Hg 344.50 tpy	0.0000103	lbs/hr	0.0852	8,269	0.0000	Carbon Kiln emissions factor derived from 2015 M29 stack test.					
System Description: Electro-winning Circuit (I/	A3.007/TU4.002)										
II. N A.D a. a.d a l /											
Hg Not Reported gals/yr	0.00000568	lbs/hr	0.0185	3,260	0.0000	Electro-winning Cells emissions factor derived from 2015 M29 stack test.					
System Description: Refinery Induction Furnac	0.00000568 ce (S2.004/TU4.00	03)		,							
System Description: Refinery Induction Furnace Hg 56.40 tpy	0.00000568		0.0185	3,260 861	0.0000	Electro-winning Cells emissions factor derived from 2015 M29 stack test. Refinery Furnace emissions factor derived from 2015 M29 stack test.					
System Description: Refinery Induction Furnac Hg 56.40 tpy System Description: Mercury Retort (S2.002)	0.00000568 ce (\$2.004/TU4.00 0.000242	03) lbs/hr	0.2084	861	0.0000	Refinery Furnace emissions factor derived from 2015 M29 stack test.					
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy	0.00000568 ce (S2.004/TU4.00	03)		,							
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy System Description: Mercury Co-Product	0.00000568 ce (\$2.004/TU4.00 0.000242	03) lbs/hr	0.2084 0.0696	861	0.0000	Refinery Furnace emissions factor derived from 2015 M29 stack test. Retort emissions factor derived from 2015 M29 stack test.					
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy System Description: Mercury Co-Product Hg	0.00000568 ce (\$2.004/TU4.00 0.000242	03) lbs/hr	0.2084	861	0.0000	Refinery Furnace emissions factor derived from 2015 M29 stack test.					
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy System Description: Mercury Co-Product Hg System Description: Fire Assay Laboratory	0.00000568 ce (\$2.004/TU4.00 0.000242	03) lbs/hr	0.2084 0.0696 0.0000	861	0.0000 0.0000 0.0102	Refinery Furnace emissions factor derived from 2015 M29 stack test. Retort emissions factor derived from 2015 M29 stack test. Facility-wide mercury co-product collected, no breakout by system provided.					
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy System Description: Mercury Co-Product Hg	0.0000568 ce (\$2.004/TU4.00 0.000242 0.0000145	lbs/hr	0.2084 0.0696 0.0000 0.0142	861	0.0000 0.0000 0.0102 0.0000	Refinery Furnace emissions factor derived from 2015 M29 stack test. Retort emissions factor derived from 2015 M29 stack test. Facility-wide mercury co-product collected, no breakout by system provided. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.					
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy System Description: Mercury Co-Product Hg System Description: Fire Assay Laboratory	0.0000568 ce (\$2.004/TU4.00 0.000242	03) lbs/hr lbs/hr	0.2084 0.0696 0.0000 0.0142 351.5928	861	0.0000 0.0000 0.0102 0.0000 0.0621	Refinery Furnace emissions factor derived from 2015 M29 stack test. Retort emissions factor derived from 2015 M29 stack test. Facility-wide mercury co-product collected, no breakout by system provided. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 124.20 lbs/yr.					
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy System Description: Mercury Co-Product Hg System Description: Fire Assay Laboratory	0.0000568 ce (\$2.004/TU4.00 0.000242	03) lbs/hr lbs/hr	0.2084 0.0696 0.0000 0.0142 351.5928 39.5645	861	0.0000 0.0000 0.0102 0.0000 0.0621 0.0276	Refinery Furnace emissions factor derived from 2015 M29 stack test. Retort emissions factor derived from 2015 M29 stack test. Facility-wide mercury co-product collected, no breakout by system provided. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 124.20 lbs/yr. CY2007 Co-product: 55.20 lbs/yr.					
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy System Description: Mercury Co-Product Hg System Description: Fire Assay Laboratory	0.0000568 ce (\$2.004/TU4.00 0.000242	o3) lbs/hr lbs/hr sility Total: cility Total: cility Total:	0.2084 0.0696 0.0000 0.0142 351.5928 39.5645 13.0908	861	0.0000 0.0000 0.0102 0.0000 0.0621 0.0276 0.0262	Refinery Furnace emissions factor derived from 2015 M29 stack test. Retort emissions factor derived from 2015 M29 stack test. Facility-wide mercury co-product collected, no breakout by system provided. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 124.20 lbs/yr. CY2007 Co-product: 55.20 lbs/yr. CY2008 Co-product: 52.40 lbs/yr.					
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy System Description: Mercury Co-Product Hg System Description: Fire Assay Laboratory	0.0000568 ce (\$2.004/TU4.00 0.000242	o3) lbs/hr lbs/hr lbs/hr sility Total: cility Total: cility Total:	0.2084 0.0696 0.0000 0.0142 351.5928 39.5645 13.0908 12.0029	861	0.0000 0.0000 0.0102 0.0000 0.0621 0.0276 0.0262 0.0258	Refinery Furnace emissions factor derived from 2015 M29 stack test. Retort emissions factor derived from 2015 M29 stack test. Facility-wide mercury co-product collected, no breakout by system provided. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 124.20 lbs/yr. CY2007 Co-product: 55.20 lbs/yr. CY2008 Co-product: 52.40 lbs/yr. CY2009 Co-product: 51.60 lbs/yr.					
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy System Description: Mercury Co-Product Hg System Description: Fire Assay Laboratory	0.0000568 ce (\$2.004/TU4.00 0.000242	lbs/hr lbs/hr lbs/hr cility Total: cility Total: cility Total: cility Total: cility Total:	0.2084 0.0696 0.0000 0.0142 351.5928 39.5645 13.0908 12.0029 37.6433	861	0.0000 0.0000 0.0102 0.0000 0.0621 0.0276 0.0262 0.0258 0.0079	Refinery Furnace emissions factor derived from 2015 M29 stack test. Retort emissions factor derived from 2015 M29 stack test. Facility-wide mercury co-product collected, no breakout by system provided. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 124.20 lbs/yr. CY2007 Co-product: 55.20 lbs/yr. CY2008 Co-product: 51.60 lbs/yr. CY2009 Co-product: 51.60 lbs/yr. CY2010 Co-product: 15.80 lbs/yr.					
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy System Description: Mercury Co-Product Hg System Description: Fire Assay Laboratory	0.0000568 ce (\$2.004/TU4.00 0.000242	os) lbs/hr lbs/hr sility Total: sility Total: sility Total: sility Total: sility Total:	0.2084 0.0696 0.0000 0.0142 351.5928 39.5645 13.0908 12.0029 37.6433 78.5131	861	0.0000 0.0000 0.0102 0.0000 0.0621 0.0276 0.0262 0.0258 0.0079 0.0230	Refinery Furnace emissions factor derived from 2015 M29 stack test. Retort emissions factor derived from 2015 M29 stack test. Facility-wide mercury co-product collected, no breakout by system provided. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 124.20 lbs/yr. CY2007 Co-product: 55.20 lbs/yr. CY2008 Co-product: 55.20 lbs/yr. CY2009 Co-product: 51.60 lbs/yr. CY2010 Co-product: 15.80 lbs/yr. CY2011 Co-product: 46.00 lbs/yr.					
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy System Description: Mercury Co-Product Hg System Description: Fire Assay Laboratory	0.0000568 ce (\$2.004/TU4.00 0.000242	lbs/hr lbs/hr lbs/hr lbs/hr sility Total: cility Total: cility Total: cility Total: cility Total: cility Total:	0.2084 0.0696 0.0000 0.0142 351.5928 39.5645 13.0908 12.0029 37.6433 78.5131 7.1176	861	0.0000 0.0000 0.0102 0.0000 0.0621 0.0276 0.0262 0.0258 0.0079 0.0230 0.0249	Refinery Furnace emissions factor derived from 2015 M29 stack test. Retort emissions factor derived from 2015 M29 stack test. Facility-wide mercury co-product collected, no breakout by system provided. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 124.20 lbs/yr. CY2007 Co-product: 55.20 lbs/yr. CY2008 Co-product: 55.20 lbs/yr. CY2009 Co-product: 51.60 lbs/yr. CY2010 Co-product: 15.80 lbs/yr. CY2011 Co-product: 46.00 lbs/yr. CY2012 Co-product: 49.80 lbs/yr.					
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy System Description: Mercury Co-Product Hg System Description: Fire Assay Laboratory	0.0000568 ce (\$2.004/TU4.00 0.000242	lbs/hr lb	0.2084 0.0696 0.0000 0.0142 351.5928 39.5645 13.0908 12.0029 37.6433 78.5131 7.1176 0.0743	861	0.0000 0.0000 0.0102 0.0000 0.0621 0.0276 0.0262 0.0258 0.0079 0.0230 0.0249 0.1270	Refinery Furnace emissions factor derived from 2015 M29 stack test. Retort emissions factor derived from 2015 M29 stack test. Facility-wide mercury co-product collected, no breakout by system provided. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 124.20 lbs/yr. CY2007 Co-product: 55.20 lbs/yr. CY2008 Co-product: 52.40 lbs/yr. CY2009 Co-product: 51.60 lbs/yr. CY2010 Co-product: 15.80 lbs/yr. CY2011 Co-product: 46.00 lbs/yr. CY2012 Co-product: 49.80 lbs/yr. CY2013 Co-product: 254 lbs/yr.					
System Description: Refinery Induction Furnace Hg 56.40 tpy System Description: Mercury Retort (S2.002) Hg 30.70 tpy System Description: Mercury Co-Product Hg System Description: Fire Assay Laboratory	0.0000568 ce (\$2.004/TU4.00 0.000242	lbs/hr lb	0.2084 0.0696 0.0000 0.0142 351.5928 39.5645 13.0908 12.0029 37.6433 78.5131 7.1176	861	0.0000 0.0000 0.0102 0.0000 0.0621 0.0276 0.0262 0.0258 0.0079 0.0230 0.0249	Refinery Furnace emissions factor derived from 2015 M29 stack test. Retort emissions factor derived from 2015 M29 stack test. Facility-wide mercury co-product collected, no breakout by system provided. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 124.20 lbs/yr. CY2007 Co-product: 55.20 lbs/yr. CY2008 Co-product: 55.20 lbs/yr. CY2009 Co-product: 51.60 lbs/yr. CY2010 Co-product: 15.80 lbs/yr. CY2011 Co-product: 46.00 lbs/yr. CY2012 Co-product: 49.80 lbs/yr.					

Source: Hyd	croft Resources &	Development, Inc	c Crofoot/Le	wis Project: /	AQOP AP1041-0334.0	2; OPTC AF	P1041-2974; O	PTC AP1041-3269; OPTC AP1041-3344; MOPTC AP1041-2255
System Des	scription: Mercury	Retort #1 (TU4.00	01)					
Hg	Not Reported	tpy	0.0000556	lbs/hr	0.4068	7,317	0.0000	Retort emissions factor derived from 2014 M29 stack test.
System Des	scription: Smelting	Furnace #1 (TU4	4.002)					
Hg	Not Reported	tpy	0.000135	lbs/hr	0.7915	5,863	0.0000	Furnace emissions factor derived from 2014 M29 stack test.
System Des	scription: Mercury	Retort #2 (TU4.00	03)					
Hg	Not Reported	tpy	0.00000153	lbs/hr	0.0111	7,238	0.0000	Retort emissions factor derived from 2014 M29 stack test.
System Des	scription: Mercury	Retort #3 (TU4.00	04)					
Hg	Τ' ΄	tpy	0	lbs/hr	0.0000	0	0.0000	System not yet constructed.
System Des	scription: Mercury		05)					
Hg		tpy	0	lbs/hr	0.0000	0	0.0000	System not yet constructed.
System Des	scription: Mercury	Retort #5 (TU4.00	06)					
Hg	Τ' ΄	tpy	0	lbs/hr	0.0000	0	0.0000	System not yet constructed.
	scription: Smelting		4.007)					
Ha		tpy	0	lbs/hr	0.0000	0	0.0000	System not yet constructed.
	scription: Smelting							
Hg		tpy	0	lbs/hr	0.0000	0	0.0000	System not yet constructed.
	scription: Mercury							1-1-1
Ha					0.0000		35.7000	Facility-wide mercury co-product collected, no breakout by system provided.
	scription: Assay La	aboratory			1.1000			
Hg	1		I		4.4797	l	0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
<u> </u>	1	I	CY2006	Facility Total:	0.0000		0.0000	CY2006 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0000		0.0000	CY2007 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0000		0.0000	CY2008 Co-product: 0.00 lbs/yr.
				Facility Total:	4.5299		0.8000	CY2009 Co-product: 1,600 lbs/yr.
				Facility Total:	4.5219		4.2000	CY2010 Co-product: 8,400 lbs/yr.
				Facility Total:	4.5242		23.0700	CY2011 Co-product: 46,147 lbs/yr.
				Facility Total:	4.4784		34.0200	CY2012 Co-product: 68,047 lbs/yr.
				Facility Total:	4.4959		27.6700	CY2013 Co-product: 53,340 lbs/yr.
				Facility Total:	5.8421		56.9100	CY2014 Co-product: 113,820 lbs/yr.
				acility Total:	5.6891		35.7000	CY2015 Co-product: 71,400 lbs/yr.
Source: Ca	rlin Posouroos II	C Ecmoralda M				old/Motallic		QOP AP1041-3127; OPTC AP1041-2853; MOPTC AP1041-2248
					winning Circuit (TU4.0			301 AT 1041-3121, OF 10 AT 1041-2033, MOT 10 AT 1041-2240
Hg	T Carbon I	tpy	0	lbs/hr	0.0000	01-104.00	0.0000	System did not operate in 2015.
	ceription: Moroury				rcuit (TU4.002 - TU4.0		0.0000	System did not operate in 2013.
Ha	Scription. Wercury	tpy	0	lbs/hr	0.0000	0	0.0000	System did not operate in 2015.
	ecription: Dore Fur				uit (TU4.002, TU4.003			Oystom did not opolate in 2010.
HG	July Lore Fur		TIKS & Electro	lbs/hr	0.0000	, 104.006 & l 0	0.0000	System did not operate in 2015.
	scription: Mercury	tpy Co-Product		105/111	0.0000		0.0000	Dystem did not operate in 2013.
Hg	I Wercury	00-1 10uuct	I	ı	0.0000		0.0000	Facility-wide mercury co-product collected, no breakout by system provided.
	Scription: Assay La	horatory			0.0000		0.0000	product conected, no breakout by system provided.
Hg	La Assay La	Lociatory	1	1	0.0000		0.0000	Potential to emit (PTE) of 0.0076 lbs/yr, not actual - see DM Technical Review.
rig	1	l	CV2006	Facility Total:	0.0000		0.0000	CY2006 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0000		0.0000	CY2007 Co-product: 0.00 lbs/yr.
				Facility Total:	0.2838		0.0000	CY2008 Co-product: 0.00 lbs/yr.
				Facility Total:	0.2838	1	0.0000	CY2009 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0222	1	0.0000	CY2010 Co-product: 0.00 lbs/yr.
						1		
I				Facility Total:	0.0022 3.7066		0.0000	CY2011 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0276	1	0.0000	CY2012 Co-product: 0.00 lbs/yr.
				Facility Total:				CY2013 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0076	-	0.0000	CY2014 Co-product: 0.00 lbs/yr.
			C12015 F	acility Total:	0.0000		0.0000	CY2015 Co-product: 0.00 lbs/yr.

Source: Coeur D'Alene Mining Corporation - Coeur Rochester Mine: AQOP AP1044-0063.02; MOPTC AP1041-2242										
System Description: Refinery Furnace (TU4.001)										
				llee/lex	0.0100	CEO	0.0000	Definery Frances emissions feator desired from any of 0015 M00 -t1; tt-		
Hg System Do	242.00 escription: Mercury	tpy	0.00352	lbs/hr	2.3162	658	0.0000	Refinery Furnace emissions factor derived from avg. of 2015 M29 stack tests.		
					0.1001	0.000	0.0000	D + + ' ' ' (+ + ' ' (- 0045 M00 + + +		
Hg	384.00	tpy	0.0000166	lbs/hr	0.1001	6,028	0.0000	Retort emissions factor derived from 2015 M29 stack test.		
	scription: Mercury	Co-Product	ı	ı		ı	40.4000			
Hg					0.0000		10.4000	Facility-wide mercury co-product collected, no breakout by system provided.		
	scription: Assay L	aboratory	T	T		T	T			
Hg					1.8805		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.		
				Facility Total:	2.8872		16.1000	CY2006 Co-product: 32,200 lbs/yr.		
				Facility Total:	137.0958		15.4000	CY2007 Co-product: 30,800 lbs/yr.		
				Facility Total:	9.9144]	15.6000	CY2008 Co-product: 31,200 lbs/yr.		
				Facility Total:	4.4097		10.7000	CY2009 Co-product: 21,400 lbs/yr.		
				Facility Total:	2.6426		12.3000	CY2010 Co-product: 24,600 lbs/yr.		
			CY2011	Facility Total:	3.3523		11.2000	CY2011 Co-product: 22,400 lbs/yr.		
			CY2012	Facility Total:	3.2552		20.4000	CY2012 Co-product: 40,800 lbs/yr.		
				Facility Total:	2.6378	1	14.5000	CY2013 Co-product: 29,000 lbs/yr.		
			CY2014	Facility Total:	2.1938		13.2000	CY2014 Co-product: 26,400 lbs/yr.		
				acility Total:	4.2967		10.4000	CY2015 Co-product: 20,800 lbs/yr.		
Source: Ne	ewmont Mining Co	rporation - Lone T	ree Mine: AC	OP AP1041-3	3575; MOPTC AP1041	1-2251				
	escription: Electro-				,					
Hq		gals/yr	0	lbs/hr	0.0000	0	0.0000	EW Cells were decommissioned throughout 2012.		
	escription: Electro-v		•							
Ha	Dion, Liouto	gals/vr	0	lbs/hr	0.0000	0	0.0000	EW Cells were decommissioned throughout 2012.		
	escription: Electro-v				0.0000		0.0000	12.1. Cont. No. C. Cocommodoriou tiroughout Eo TE.		
Hq	Liouio I	gals/yr	0	lbs/hr	0.0000	0	0.0000	EW Cells were decommissioned throughout 2012.		
	scription: Pregnar			103/111	0.0000		0.0000	1217 Cond Horo accommissioned throughout 2012.		
Hq	Togran	tpy - carbon	0	lbs/hr	0.0000	I	0.0000	P/B Tanks were decommissioned throughout 2012.		
	escription: Mercury			103/111	0.0000		0.0000	The Talling word accommissioned unoughout 2012.		
Ha	Indicate	Ou-Filoudet			0.0000		0.0000	Facility-wide mercury co-product collected, no breakout by system provided.		
	perintion: Sample	Poom Fire Asset	Poom Wot I	aboratory I E	CO Laboratory, Met L	aboratory	0.0000	product collected, no breakout by system provided.		
Hg	Scription. Sample	Toolii, File Assay	Hoom, well	Laboratory, LE	1.8788	aboratory	0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.		
пу			CV200C	Eggility Total	622.1013		0.0000			
				Facility Total:				CY2006 Co-product: 0.00 lbs/yr.		
				Facility Total:	148.0964		0.0000	CY2007 Co-product: 0.00 lbs/yr.		
				Facility Total:	67.1251		0.0000	CY2008 Co-product: 0.00 lbs/yr.		
				Facility Total:	7.2136		0.0000	CY2009 Co-product: 0.00 lbs/yr.		
				Facility Total:	3.0212		0.0000	CY2010 Co-product: 0.00 lbs/yr.		
				Facility Total:	1.8788		0.0000	CY2011 Co-product: 0.00 lbs/yr.		
				Facility Total:	1.8788		0.0000	CY2012 Co-product: 0.00 lbs/yr.		
				Facility Total:	1.8788		0.0000	CY2013 Co-product: 0.00 lbs/yr.		
				Facility Total:	1.8788]	0.0000	CY2014 Co-product: 0.00 lbs/yr.		
			CY2015 F	acility Total:	1.8788		0.0000	CY2015 Co-product: 0.00 lbs/yr.		

					P1041-2141; MOPTC	AP1041-222	20	
_	scription: Refinery	Induction Furnac						
Hg	28.80	tpy	0.000034	lbs/hr	0.0104	307	0.0000	Furn. #1 ducted in-line with Retorts, EF derived from 2015 M29 stack test.
System De	scription: Refinery	Induction Furnac						
Hg	3.00	tpy	0.0000279	lbs/hr	0.0022	78	0.0000	Furn. #2 ducted in-line with Retorts, EF derived from 2015 M29 stack test.
System De	scription: Electric	Carbon Reactivat	ion Kiln #1 (S2	2.007/TU4.00	5)			
Hg	6.10	tpy	0.000325	lbs/hr	0.0040	12	0.0000	Carbon Kiln #1 emissions factor derived from 2015 M29 stack test.
System De	scription: Electric	Carbon Reactivat	ion Kiln #2 (S2	2.008/TU4.006	6)			
Hg	69.20	tpy	0.0000368	lbs/hr	0.0052	140	0.0000	Carbon Kiln #2 emissions factor derived from 2015 M29 stack test.
System De	scription: East Ele	ctro-winning Circ	uit (IA1.096/TL	J4.001) includ	ling Pregnant and Bari	ren Strip Sol	ution Tanks (T	U4.008 & TU4.009)
Hg	32,608,029.00		0.000411	lbs/hr	2.3665	5,758	0.0000	East EW Circuit emissions factor derived from avg. of 2015 M29 stack tests.
System De	scription: West Ele	ectro-winning Circ	cuit (IA1.097/T	U4.002)				
Hg	16,525,847.50		0.00004	lbs/hr	0.2230	5,576	0.0000	West EW Circuit emissions factor derived from 2015 M29 stack test.
	scription: Mercury	Retorts (TU4.010) & TU4.011)					
	1							Retort emissions factor derived from 2015 M29 stack tests with both retorts
Hg	33.80	tpy	0.000034	lbs/hr	0.1176	3,460	0.0000	operating. Retort #1 operated 1,780 hrs. & Retort #2 operated 1,680 hrs.
	scription: Mercury		0.000004	103/111	0.1170	0,400	0.0000	operating. Heroit #1 operated 1,700 ms. a Heroit #2 operated 1,000 ms.
Hg	Using the local y	O T TOUGE			0.0000		1.1700	Facility-wide mercury co-product collected, no breakout by system provided.
	scription: Assay L	ahoratory (Analyti	cal Lab Buildir	nn) Met Labor	ratory, Strip Circuit Are	a (Mill Build		Gold Sludge Drying Oven, Fire Assay Fusion Furnaces
Hg	The state of the s	ADDIAIDIY (AHAIYII	Cai Lab Dullull	lg), iviet Labor	1.8720		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
пу		I.	CV2006	Facility Total:	166.7059		0.1200	CY2006 Co-product: 240 lbs/yr.
1				Facility Total:				·
1					208.0466		0.3200	CY2007 Co-product: 640 lbs/yr.
				Facility Total:	75.8638		0.0000	CY2008 Co-product: 0.00 lbs/yr.
				Facility Total:	1.3905		0.0170	CY2009 Co-product: 34 lbs/yr.
1				Facility Total:	5.1862		0.0000	CY2010 Co-product: 0.00 lbs/yr.
			-	Facility Total:	5.1815		0.7200	CY2011 Co-product: 1,441 lbs/yr.
				Facility Total:	4.2156		1.2100	CY2012 Co-product: 2,412 lbs/yr.
				Facility Total:	15.7637		2.2740	CY2013 Co-product: 4,458 lbs/yr.
				Facility Total:	2.2159		0.4900	CY2014 Co-product: 980 lbs/yr.
			CY2015 F	acility Total:	4.6010		1.1700	CY2015 Co-product: 2,340 lbs/yr.
								10.10.00 1.10.00.00.00.00.00.00.00.00.00.00.00.00
Source: Fl	orida Canyon Minir	ng, Inc Florida C	Canyon Mine:	AQOP AP104	11-0106.02; MOPTC A	P1041-2256	6	
System De	scription: Custom	Mercury Retort A	(S2.003/TU4.	004)				
System De Hg	scription: Custom 4.39	Mercury Retort A tpy	(S2.003/TU4. 2.02E-07	004) lbs/hr	0.0003	1,627	0.0000	Retort A emissions factor derived from 2015 M29 stack tests.
System De Hg	scription: Custom	Mercury Retort A tpy	(S2.003/TU4. 2.02E-07	004) lbs/hr				
System De Hg System De Hg	4.39 scription: Summit 8,013.00	Mercury Retort A tpy Mercury Retort B tpy	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119	004) lbs/hr				
System De Hg System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v	Mercury Retort A tpy Mercury Retort B tpy	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119	004) lbs/hr 005)	0.0003	1,627	0.0000	Retort A emissions factor derived from 2015 M29 stack tests.
System De Hg System De Hg System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported	Mercury Retort A tpy Mercury Retort B tpy winning Cell A (Till tpy	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855	004) lbs/hr 005)	0.0003	1,627	0.0000	Retort A emissions factor derived from 2015 M29 stack tests.
System De Hg System De Hg System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v	Mercury Retort A tpy Mercury Retort B tpy winning Cell A (Till tpy	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855	004) lbs/hr 005) lbs/hr	0.0003 0.0194	1,627	0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests.
System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported	Mercury Retort A tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy tpy	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157	004) lbs/hr 005) lbs/hr lbs/hr	0.0003 0.0194	1,627	0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests.
System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v	Mercury Retort A tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy tpy	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157	004) lbs/hr 005) lbs/hr lbs/hr	0.0003 0.0194 7.4898	1,627 1,627 8,760	0.0000 0.0000 0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13.
System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80	Mercury Retort A tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 0.52.007/TU4 0.036822	004) lbs/hr 005) lbs/hr lbs/hr	0.0003 0.0194 7.4898	1,627 1,627 8,760	0.0000 0.0000 0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13.
System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80	Mercury Retort A tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 0.52.007/TU4 0.036822	004) lbs/hr 005) lbs/hr lbs/hr lbs/hr .008)	0.0003 0.0194 7.4898 0.1375	1,627 1,627 8,760 8,760	0.0000 0.0000 0.0000 0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13.
System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon	Mercury Retort A tpy Mercury Retort B tpy Regeneration Kilr tpy Mercury Retort B Ty Mercury Retort A Ty Mercury Retort B Ty Mercury R Ty Mercury	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 0.52.007/TU4 0.036822	004) lbs/hr 005) lbs/hr lbs/hr lbs/hr .008)	0.0003 0.0194 7.4898 0.1375	1,627 1,627 8,760 8,760	0.0000 0.0000 0.0000 0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests.
System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon l 124.80 scription: Dore Ful	Mercury Retort A tpy Mercury Retort B tpy winning Cell A (Ti tpy winning Cell B (Ti tpy Regeneration Kilr tpy rnace (S2.005/TL tpy	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 n (\$2.007/TU4 0.036822 J4.001) 0.000268	004) lbs/hr 005) lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr	0.0003 0.0194 7.4898 0.1375 23.4077	1,627 1,627 8,760 8,760 636	0.0000 0.0000 0.0000 0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13.
System De Hg System De System De	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon l 124.80 scription: Dore Ful 16.06 scription: Pregnan	Mercury Retort A tpy Mercury Retort B tpy winning Cell A (Ti tpy winning Cell B (Ti tpy Regeneration Kilr tpy rnace (S2.005/TL tpy t Tank (TU4.006)	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 n (\$2.007/TU4 0.036822 J4.001) 0.000268	004) lbs/hr 005) lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573	1,627 1,627 8,760 8,760 636 587	0.0000 0.0000 0.0000 0.0000 0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13.
System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80 scription: Dore Full 16.06 scription: Pregnan Not Reported	Mercury Retort A tpy Mercury Retort B tpy Winning Cell A (TI tpy Winning Cell B (TI tpy Regeneration Kilr tpy Regeneration Kilr tpy tpy tTank (TU4.006) hrs/yr	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 n (\$2.007/TU4 0.036822 J4.001) 0.000268	004) lbs/hr 005) lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr	0.0003 0.0194 7.4898 0.1375 23.4077	1,627 1,627 8,760 8,760 636	0.0000 0.0000 0.0000 0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests.
System De Hg System De System De Hg System De	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Carbon I 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Pregnan Not Reported scription: Barren T	Mercury Retort A tpy Mercury Retort B tpy Winning Cell A (TI tpy Winning Cell B (TI tpy Regeneration Kilr tpy rnace (S2.005/TL tpy t Tank (TU4.006) hrs/yr ank (TU4.007)	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 0(\$2.007/TU4 0.036822 J4.001) 0.000268	004) lbs/hr 005) lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559	1,627 1,627 8,760 8,760 636 587 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09.
System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Carbon I 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Not Reported	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (Tu tpy winning Cell B (Tu tpy Regeneration Kilr tpy rnace (S2.005/TL tpy t Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 n (\$2.007/TU4 0.036822 J4.001) 0.000268	004) lbs/hr 005) lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573	1,627 1,627 8,760 8,760 636 587	0.0000 0.0000 0.0000 0.0000 0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13.
System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Carbon I 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Pregnan Not Reported scription: Barren T	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (Tu tpy winning Cell B (Tu tpy Regeneration Kilr tpy rnace (S2.005/TL tpy t Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 0(\$2.007/TU4 0.036822 J4.001) 0.000268	004) lbs/hr 005) lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559 0.1898	1,627 1,627 8,760 8,760 636 587 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09. Barren Tank moved to De Minimis Designation 12/17/09.
System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Barren T Not Reported scription: Mercury	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy rnace (S2.005/TL tpy tt Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr Co-Product	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 (\$2.007/TU4 0.036822 J4.001) 0.000268	004) lbs/hr 005) lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559 0.1898	1,627 1,627 8,760 8,760 636 587 8,760 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09.
System De Hg System De	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Barren T Not Reported scription: Mercury	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy rnace (S2.005/TL tpy tt Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr Co-Product	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 (\$2.007/TU4 0.036822 J4.001) 0.000268	004) lbs/hr 005) lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr lbs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559 0.1898 0.0000 ant & Barren Tanks a	1,627 1,627 8,760 8,760 636 587 8,760 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09. Barren Tank moved to De Minimis Designation 12/17/09. Facility-wide mercury co-product collected, no breakout by system provided.
System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Barren T Not Reported scription: Mercury	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy rnace (S2.005/TL tpy tt Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr Co-Product	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 0(\$2.007/TU4 0.036822 J4.001) 0 0	004) Ibs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559 0.1898 0.0000 ant & Barren Tanks a 0.0000	1,627 1,627 8,760 8,760 636 587 8,760 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09. Barren Tank moved to De Minimis Designation 12/17/09. Facility-wide mercury co-product collected, no breakout by system provided. Calculated PTE = 2.9861 lbs/yr see De Minimis Designation Tech. Rev.
System De Hg System De	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Barren T Not Reported scription: Mercury	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy rnace (S2.005/TL tpy tt Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr Co-Product	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 0(\$2.007/TU4 0.036822 J4.001) 0 0 0	004) Ibs/hr O05) Ibs/hr Ibs/hr Ibs/hr O08) Ibs/hr Ibs/hr Ibs/hr Ibs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559 0.1898 0.0000 ant & Barren Tanks a 0.0000 440.7382	1,627 1,627 8,760 8,760 636 587 8,760 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.8960 0.8264	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09. Barren Tank moved to De Minimis Designation 12/17/09. Facility-wide mercury co-product collected, no breakout by system provided. Calculated PTE = 2.9861 lbs/yr see De Minimis Designation Tech. Rev. CY2006 Co-product: 452.80 lbs/yr.
System De Hg System De	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Barren T Not Reported scription: Mercury	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy rnace (S2.005/TL tpy tt Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr Co-Product	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 0(\$2.007/TU4. 0.036822 J4.001) 0.000268 0 0 CY2006 CY2007	004) Ibs/hr O05) Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559 0.1898 0.0000 ant & Barren Tanks a 0.0000 440.7382 19.0000	1,627 1,627 8,760 8,760 636 587 8,760 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.8960 0.8264 0.0072	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09. Barren Tank moved to De Minimis Designation 12/17/09. Facility-wide mercury co-product collected, no breakout by system provided. Calculated PTE = 2.9861 lbs/yr see De Minimis Designation Tech. Rev. CY2006 Co-product: 452.80 lbs/yr. CY2007 Co-product: 14.40 lbs/yr.
System De Hg System De	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Barren T Not Reported scription: Mercury	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy rnace (S2.005/TL tpy tt Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr Co-Product	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 0.036822 J4.001) 0.000268 0 0 0	004) Ibs/hr O05) Ibs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559 0.1898 0.0000 ant & Barren Tanks a 0.0000 440.7382 19.0000 162.3117	1,627 1,627 8,760 8,760 636 587 8,760 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.8960 0.2264 0.0072 0.2875	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09. Barren Tank moved to De Minimis Designation 12/17/09. Facility-wide mercury co-product collected, no breakout by system provided. Calculated PTE = 2.9861 lbs/yr see De Minimis Designation Tech. Rev. CY2006 Co-product: 452.80 lbs/yr. CY2007 Co-product: 14.40 lbs/yr. CY2008 Co-product: 575 lbs/yr.
System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Barren T Not Reported scription: Mercury	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy rnace (S2.005/TL tpy tt Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr Co-Product	(\$2.003/TU4.) 2.02E-07 (\$2.004/TU4.) 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 0.036822 I4.001) 0.000268 0 CY2006 CY2006 CY2007 CY2008 CY2009	004) Ibs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559 0.1898 0.0000 ant & Barren Tanks a 0.0000 440.7382 19.0000 162.3117 49.6118	1,627 1,627 8,760 8,760 636 587 8,760 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.8960 nace. 0.0000 0.2264 0.0072 0.2875 0.8120	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09. Barren Tank moved to De Minimis Designation 12/17/09. Facility-wide mercury co-product collected, no breakout by system provided. Calculated PTE = 2.9861 lbs/yr see De Minimis Designation Tech. Rev. CY2006 Co-product: 452.80 lbs/yr. CY2007 Co-product: 14.40 lbs/yr. CY2008 Co-product: 575 lbs/yr. CY2009 Co-product: 1,624 lbs/yr.
System De Hg	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Barren T Not Reported scription: Mercury	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy rnace (S2.005/TL tpy tt Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr Co-Product	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 (\$2.007/TU4 0.036822 J4.001) 0 0 -winning Cells CY2006 CY2007 CY2008 CY2009 CY2010	004) Ibs/hr O05) Ibs/hr Ibs/hr Ibs/hr O08) Ibs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559 0.1898 0.0000 ant & Barren Tanks a 0.0000 440.7382 19.0000 162.3117 49.6118 111.8133	1,627 1,627 8,760 8,760 636 587 8,760 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.8960 0.2264 0.0072 0.2875 0.8120 0.3090	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09. Barren Tank moved to De Minimis Designation 12/17/09. Facility-wide mercury co-product collected, no breakout by system provided. Calculated PTE = 2.9861 lbs/yr see De Minimis Designation Tech. Rev. CY2006 Co-product: 452.80 lbs/yr. CY2007 Co-product: 575 lbs/yr. CY2008 Co-product: 1,624 lbs/yr. CY2010 Co-product: 618 lbs/yr.
System De Hg System De	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Barren T Not Reported scription: Mercury	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy rnace (S2.005/TL tpy tt Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr Co-Product	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 (\$2.007/TU4 0.036822 J4.001) 0 0 CY2006 CY2007 CY2008 CY2009 CY2010 CY2011	004) Ibs/hr O05) Ibs/hr Ibs/hr Ibs/hr O08) Ibs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559 0.1898 0.0000 ant & Barren Tanks a 0.0000 440.7382 19.0000 162.3117 49.6118 111.8133 51.7290	1,627 1,627 8,760 8,760 636 587 8,760 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.2264 0.0072 0.2875 0.8120 0.3090 1.2700	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09. Barren Tank moved to De Minimis Designation 12/17/09. Facility-wide mercury co-product collected, no breakout by system provided. Calculated PTE = 2.9861 lbs/yr see De Minimis Designation Tech. Rev. CY2006 Co-product: 452.80 lbs/yr. CY2007 Co-product: 14.40 lbs/yr. CY2008 Co-product: 1,624 lbs/yr. CY2010 Co-product: 618 lbs/yr. CY2011 Co-product: 2,538 lbs/yr. (1,829.00 "liquid"; 709.00 sludge)
System De Hg System De	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Barren T Not Reported scription: Mercury	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy rnace (S2.005/TL tpy tt Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr Co-Product	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 2.002F-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 0(\$2.007/TU4 0.036822 J4.001) 0 0 0 0 CY2006 CY2007 CY2008 CY2008 CY2010 CY2011 CY2012	004) Ibs/hr O05) Ibs/hr Ibs/hr Ibs/hr O08) Ibs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559 0.1898 0.0000 ant & Barren Tanks a 0.0000 440.7382 19.0000 162.3117 49.6118 111.8133 51.7290 8.2449	1,627 1,627 8,760 8,760 636 587 8,760 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.2264 0.0072 0.2875 0.8120 0.3090 1.2700 0.6300	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09. Barren Tank moved to De Minimis Designation 12/17/09. Facility-wide mercury co-product collected, no breakout by system provided. Calculated PTE = 2.9861 lbs/yr see De Minimis Designation Tech. Rev. CY2006 Co-product: 452.80 lbs/yr. CY2007 Co-product: 15.75 lbs/yr. CY2009 Co-product: 1,624 lbs/yr. CY2010 Co-product: 618 lbs/yr. CY2011 Co-product: 2,538 lbs/yr. (1,829.00 "liquid"; 709.00 sludge) CY2012 Co-product: 1,252 lbs/yr. (892.00 "liquid"; 360.00 sludge)
System De Hg System De	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Barren T Not Reported scription: Mercury	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy rnace (S2.005/TL tpy tt Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr Co-Product	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 0(\$2.007/TU4 0.036822 J4.001) 0.000268 0 0 -winning Cells CY2006 CY2007 CY2008 CY2009 CY2011 CY2012 CY2013	004) Ibs/hr Ibs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559 0.1898 0.0000 ant & Barren Tanks a 0.0000 440.7382 19.0000 162.3117 49.6118 111.8133 51.7290 8.2449 4.2320	1,627 1,627 8,760 8,760 636 587 8,760 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.2264 0.0072 0.2875 0.8120 0.3090 1.2700 0.6300 1.2150	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09. Barren Tank moved to De Minimis Designation 12/17/09. Facility-wide mercury co-product collected, no breakout by system provided. Calculated PTE = 2.9861 lbs/yr see De Minimis Designation Tech. Rev. CY2006 Co-product: 452.80 lbs/yr. CY2007 Co-product: 14.40 lbs/yr. CY2008 Co-product: 575 lbs/yr. CY2010 Co-product: 618 lbs/yr. CY2011 Co-product: 2,538 lbs/yr. (1,829.00 "liquid"; 709.00 sludge) CY2012 Co-product: 1,252 lbs/yr. (892.00 "liquid"; 360.00 sludge) CY2013 Co-product: 1,450 lbs/yr. (sludge)
System De Hg System De	scription: Custom 4.39 scription: Summit 8,013.00 scription: Electro-v Not Reported scription: Electro-v Not Reported scription: Carbon 124.80 scription: Dore Ful 16.06 scription: Pregnan Not Reported scription: Barren T Not Reported scription: Mercury	Mercury Retort A tpy Mercury Retort B tpy Mercury Retort B tpy winning Cell A (TI tpy winning Cell B (TI tpy Regeneration Kilr tpy rnace (S2.005/TL tpy tt Tank (TU4.006) hrs/yr ank (TU4.007) hrs/yr Co-Product	(\$2.003/TU4. 2.02E-07 (\$2.004/TU4. 0.0000119 J4.002) 0.000855 J4.003) 0.0000157 0(\$2.007/TU4 0.036822 J4.001) 0.000268 0 0 CY2006 CY2007 CY2008 CY2009 CY2010 CY2011 CY2012 CY2014	004) Ibs/hr O05) Ibs/hr Ibs/hr Ibs/hr O08) Ibs/hr	0.0003 0.0194 7.4898 0.1375 23.4077 0.1573 2.0559 0.1898 0.0000 ant & Barren Tanks a 0.0000 440.7382 19.0000 162.3117 49.6118 111.8133 51.7290 8.2449	1,627 1,627 8,760 8,760 636 587 8,760 8,760	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.2264 0.0072 0.2875 0.8120 0.3090 1.2700 0.6300	Retort A emissions factor derived from 2015 M29 stack tests. Retort B emissions factor derived from 2015 M29 stack tests. Electro-winning Cell A moved to De Minimis Designation 10/21/13. Electro-winning Cell B moved to De Minimis Designation 10/21/13. Carbon Kiln emissions factor derived from 2015 M29 stack tests. Dore Furnace moved to De Minimis Designation 10/21/13. Pregnant Tank moved to De Minimis Designation 12/17/09. Barren Tank moved to De Minimis Designation 12/17/09. Facility-wide mercury co-product collected, no breakout by system provided. Calculated PTE = 2.9861 lbs/yr see De Minimis Designation Tech. Rev. CY2006 Co-product: 452.80 lbs/yr. CY2007 Co-product: 15.75 lbs/yr. CY2009 Co-product: 1,624 lbs/yr. CY2010 Co-product: 618 lbs/yr. CY2011 Co-product: 2,538 lbs/yr. (1,829.00 "liquid"; 709.00 sludge) CY2012 Co-product: 1,252 lbs/yr. (892.00 "liquid"; 360.00 sludge)

Source Round Mountain Gold Corporation - Smoky Valley Cathon Reculation files Section Smoky Valley Electric Induction Furnace SE 130/FU4 051	C D	on al Massachaile Cale	-l O)-I-I I I I I O		AD4044 04	144.00; ODTO	AD4044 0000 MODTO AD4044 00F0
Page 2,925.00 Topy 0.000621 libs/hr 0.4331 6,975 0.0000 Carbon Rife emissions factor derived from 2015 M29 stack last. The Progrant Strings Solution Trans And both Barner Strip's Solution Trans And Barner Strip's Solution Tra							AP1041-04	144.02; OPTC /	AP1041-2806: MOP1G AP1041-2250
High 2,925.00 Try 0.000062 Ibs.hr 0.4331 6,975 0.0000 The Programs Strip Solution Tanks and both Barnes Strip Solution Tanks were removed from the system and added to the ADR Carbon Stipping Circuit Representations (and High Carbon Phasebustion Managers 1, 1977–1, 1978) 0.00074 The Institute of the ADR Carbon Stipping Circuit Representation (and High Carbon Phasebustion Managers 1, 1977–1, 1978) 0.0000 Carbon Kill members and the ADR Carbon Stipping Circuit Representation (and High Carbon Phasebustion Managers 1, 1977–1, 1978) 0.0000 Carbon Kill members factor derived from average of 2015 M29 stack tests. 1978–1, 1	System Desi	cription: Smoky V	alley Carbon Rea	activation Kiln	(\$2.121/104	.001)	1	1	
System Description: Smoky Valley Electric Induction Furnace (23:130 TUX 005)	Hg	2,925.00	tpy	0.0000621	lbs/hr	0.4331	6,975	0.0000	The Pregnant Strip Solution Tank and both Barren Strip Solution Tanks were removed from this system and added to the ADR Carbon Stripping Circuit
High 30.57 Py	0 . 0				(00 100/ T LI	1.005)			April 16,2014.
System Description: Gold Hail Carbon Reactivation Kin (\$2.157/14.069) 19/4.00 19/9.4.000 19/9.4.000 19/9.4.000 19/9.4.00000 19/9.4.00000 19/9.4.0000 19/9.4.0000 19/9.4.0000 19/9.4.0000 19/9.4.0000 19/9.4.0000 19/9.4.0000 19/9.4.0000 19/9.4.00000 19/9.4.0000 19	_	<u>, ' </u>					T		
High 1,974.00 tpy 0.000014 bshr 0.0111 7,939 0.000 Carbon Kin emissions factor derived from average of 2015 M29 stack tests.			tpy			0.0264	345	0.0000	Furnace emissions factor derived from 2015 M29 stack test.
System Description: Gold Hill Carbon Stripping Circuit. Electro-winning Circuit & PerganartiBarren Strip SolutionTanks (\$2.158 - \$2.156 (TU4.009)						T			
Hg									
System Description: Gold Hill Mercury Retort (\$2.161/TU.4 of 10)									
System Description: Gold Hill Smithing Furnance (Sp. 126/TUH of 11) System Description: Gold Hill Smithing Furnance (Sp. 126/TUH of 11) System Description: Smoky Valley APIN Carbon Stripping (Crout - Electro-winning Crout 8 Preparatible Rarre (2) Strip South Task (11) (AU) (2) Hg 22,036,050.0 galsyr 0.0004355 lbshr 3,7548 8,622 0.0000 Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. System Description: Mercury Co-Product Mg 22,036,050.0 galsyr 0.0004355 lbshr 3,7548 8,622 0.0000 Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. System Description: Mercury Co-Product Mg 22,036,050.0 galsyr 0.0000 0.2940 Facility-wide mercury co-product collected, no breakout by system provided. System Description: RMG Refinery Electro-winning Vent & Ovens. Assay Laboratory Ovens. Mg Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. Mg Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. Mg Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. Mg Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. Mg Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. Mg Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. Mg Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. Mg Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. Mg Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. Mg Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. Mg Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. Mg Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests. Mg Carbon Strip Circ. emissions factor derived from average of 2015 M2						0.0486	8,467	0.0000	Carbon Strip Circ. emissions factor derived from avg. of 2015 M29 stack tests.
System Description: Gold Hill Smelling Furnace (S2:162/TU4, 011) Hg 8.56 typ 2.546-06 bis/hr 0.0005 187 0.0000 Furnace emissions factor derived from average of 2015 M29 stack tests.						T	T		
System Description: Smokly ABR Carbon Stripping Circuit : Electro-winning Circuit & Preparative Farer (2) \$150.000 Carbon Strip Circ. emissions factor derived from average of 2015 M29 stack tests.						0.0062	1,891	0.0000	Retort emissions factor derived from average of 2015 M29 stack tests.
System Description: Smoky Valley ADR Carbon Stripping Circuit = Electro-winning Circuit 8, Perpant/Barren (2) Strip SolutionTanks(TU4.002 - TU4.004 & TU4.012)	_					T	1	1	
Heat 2,036,005.00 galsyr 0,000455 bs/hr 3,7548 8,622 0,0000 Carbon Strip Ciric. emissions factor derived from any of 2015 M29 stack tests.									Furnace emissions factor derived from average of 2015 M29 stack tests.
System Description: Mercury Co-Product									
System Description: RIMG Refinery Electro-winning Veni & Ovens, Assay Luboratory Ovens. Fig.				0.0004355	lbs/hr	3.7548	8,622	0.0000	Carbon Strip Circ. emissions factor derived from avg. of 2015 M29 stack tests.
System Description: RMG Refinery Electro-winning Vent & Ovens, Assay Laboratory Ovens.		cription: Mercury	Co-Product	,	T		T		
Hg		<u> </u>		<u> </u>	L			0.2940	IFacility-wide mercury co-product collected, no breakout by system provided.
CY200F Facility Total: No	•	cription: RMG Ref	inery Electro-winr	ning Vent & O	vens, Assay I			1	
CY2007 Facility Total:	Hg								
CY2008 Facility Total: 4.5878 0.0000 CY2009 Co-product: 0.00 lbs/yr.									CY2006 Co-product: 17 lbs/yr.
CY2019 Facility Total: 4.5878 0.0000 CY2010 Co-product: 0.00 lbs/yr.									
CY2010 Facility Total:						8.3173			CY2008 Co-product: 0.00 lbs/yr.
CY2011 Facility Total: 6.6374 6.6374									
CY2012 Facility Total:									CY2010 Co-product: 0.00 lbs/yr.
CY2013 Facility Total:									
CY2014 Facility Total: 9.0652 0.3450 CY2015 Co-product: 690 lbs/yr.									
CY2015 Facility Total: 5.4557									
Source: Ruby Hill Mining Company, LLC - Ruby Hill Mine (formerly Homestake Mining Company of California): AQOP AP1041-0713.01; MOPTC AP1041-2252 System Description: Electric Carbon Regeneration Kilin (S2.019/TU4.001) Hg									
System Description: Electric Carbon Regeneration Kiln (\$2.019/TU4.001) Hg				CY2015 F	acility Total:	5.4557		0.2940	CY2015 Co-product: 588 lbs/yr.
Hg	Source: Ruk	by Hill Mining Com	npany, LLC - Rub	y Hill Mine (fo	rmerly Homes	stake Mining Company	of California	a): AQOP AP1	041-0713.01; MOPTC AP1041-2252
System Description: Electric Mercury Retort (\$2.022/TU4.003)	System Des	cription: Electric (Carbon Regenera	tion Kiln (S2.0)19/TU4.001)				
Hg			tpy			0.0000	0	0.0000	Carbon Kiln was decommissioned 04/25/11 and did not operate in 2015.
System Description: Electric Refinery Induction Furnace (S2.013/TU4.002) Hg	System Desc	cription: Electric N	Mercury Retort (S	2.022/TU4.00	3)				
Hg							0	0.0000	Retort was decommissioned 04/25/11 and did not operate in 2015.
System Description: Electro-winning Cells 1 & 2 (IA1.005/TU4.004) and Pregnant and Barren Strip Solution Tanks (TU4.005) Hg		cription: Electric F							
Hg									
System Description: Assay Laboratory 1.3818 0.0000 Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.		cription: Electro-w							
Hg	9			0	lbs/hr	0.0000	0	0.0000	EW Circuit was decommissioned 04/25/11 and did not operate in 2015.
CY2006 Facility Total: 28.7825 0.5000 CY2006 Co-product: 1,000 lbs/yr. CY2007 Facility Total: 35.2201 0.3800 CY2007 Co-product: 760 lbs/yr. CY2008 Facility Total: 1.3883 0.2400 CY2008 Co-product: 480 lbs/yr. CY2009 Facility Total: 7.2874 0.1762 CY2009 Co-product: 352.40 lbs/yr. CY2010 Facility Total: 34.4158 0.0000 CY2010 Co-product: 0.00 lbs/yr. CY2011 Facility Total: 11.1401 0.0495 CY2011 Co-product: 90 lbs/yr. CY2012 Facility Total: 1.3818 0.0000 CY2012 Co-product: 0.00 lbs/yr. CY2014 Facility Total: 1.3818 0.0000 CY2013 Co-product: 0.00 lbs/yr. CY2014 Facility Total: 1.3818 0.0000 CY2014 Co-product: 0.00 lbs/yr.	•	cription: Assay La	aboratory						
CY2007 Facility Total: 35.2201 0.3800 CY2007 Co-product: 760 lbs/yr. CY2008 Facility Total: 1.3883 0.2400 CY2008 Co-product: 480 lbs/yr. CY2009 Facility Total: 7.2874 0.1762 GY2009 Co-product: 352.40 lbs/yr. CY2010 Facility Total: 34.4158 0.0000 CY2010 Co-product: 0.00 lbs/yr. CY2011 Facility Total: 11.1401 0.0495 CY2011 Co-product: 99 lbs/yr. CY2012 Facility Total: 1.3818 0.0000 CY2013 Co-product: 0.00 lbs/yr. CY2014 Facility Total: 1.3818 0.0000 CY2014 Co-product: 0.00 lbs/yr. CY2014 Facility Total: 1.3818 0.0000 CY2014 Co-product: 0.00 lbs/yr.	Hg								
CY2008 Facility Total: 1.3883 0.2400 CY2008 Co-product: 480 lbs/yr. CY2009 Facility Total: 7.2874 0.1762 CY2009 Co-product: 352.40 lbs/yr. CY2010 Facility Total: 34.4158 0.0000 CY2010 Co-product: 0.00 lbs/yr. CY2011 Facility Total: 11.1401 0.0495 CY2011 Co-product: 99 lbs/yr. CY2012 Facility Total: 1.3818 0.0000 CY2012 Co-product: 0.00 lbs/yr. CY2013 Facility Total: 1.3818 0.0000 CY2013 Co-product: 0.00 lbs/yr. CY2014 Facility Total: 1.3818 0.0000 CY2014 Co-product: 0.00 lbs/yr.									
CY2009 Facility Total: 7.2874 0.1762 CY2009 Co-product: 352.40 lbs/yr. CY2010 Facility Total: 34.4158 0.0000 CY2010 Co-product: 0.00 lbs/yr. CY2011 Facility Total: 11.1401 0.0495 CY2011 Co-product: 99 lbs/yr. CY2012 Facility Total: 1.3818 0.0000 CY2012 Co-product: 0.00 lbs/yr. CY2014 Facility Total: 1.3818 0.0000 CY2013 Co-product: 0.00 lbs/yr. CY2014 Facility Total: 1.3818 0.0000 CY2014 Co-product: 0.00 lbs/yr.									
CY2010 Facility Total: 34.4158 0.0000 CY2010 Co-product: 0.00 lbs/yr. CY2011 Facility Total: 11.1401 0.0495 CY2011 Co-product: 99 lbs/yr. CY2012 Facility Total: 1.3818 0.0000 CY2012 Co-product: 0.00 lbs/yr. CY2013 Facility Total: 1.3818 0.0000 CY2013 Co-product: 0.00 lbs/yr. CY2014 Facility Total: 1.3818 0.0000 CY2014 Co-product: 0.00 lbs/yr.									
CY2011 Facility Total: 11.1401 0.0495 CY2011 Co-product: 99 lbs/yr. CY2012 Facility Total: 1.3818 0.0000 CY2012 Co-product: 0.00 lbs/yr. CY2013 Facility Total: 1.3818 0.0000 CY2013 Co-product: 0.00 lbs/yr. CY2014 Facility Total: 1.3818 0.0000 CY2014 Co-product: 0.00 lbs/yr.									,
CY2012 Facility Total: 1.3818 0.0000 CY2012 Co-product: 0.00 lbs/yr. CY2013 Facility Total: 1.3818 0.0000 CY2013 Co-product: 0.00 lbs/yr. CY2014 Facility Total: 1.3818 0.0000 CY2014 Co-product: 0.00 lbs/yr.									
CY2013 Facility Total: 1.3818 0.0000 CY2013 Co-product: 0.00 lbs/yr. CY2014 Facility Total: 1.3818 0.0000 CY2014 Co-product: 0.00 lbs/yr.									
CY2014 Facility Total: 1.3818 0.0000 CY2014 Co-product: 0.00 lbs/yr.									
				CY2013	Facility Total:			0.0000	
CY2015 Facility Total: 1.3818 0.0000 CY2015 Co-product: 0.00 lbs/yr.									
				CY2015 F	acility Total:	1.3818		0.0000	CY2015 Co-product: 0.00 lbs/yr.

				AD 10 11 0150				
					.02; MOPTC AP1041-2	2254		
	cription: Carbon I				1			
Hg	721.10	tpy	1.8755E-05	lbs/hr	0.0533	2,844	0.0000	Carbon Kiln emissions factor derived from average of 2015 M29 stack tests.
_	cription: Mercury					T		
Hg	10.94	tpy	0.002211	lbs/hr	3.2656	1,477	0.0000	Retort emissions factor derived from average of 2015 M29 stack tests.
	cription: Tilting C					T		
Hg	8.33	tpy	0.011605	lbs/hr	3.9631	342	0.0000	Furnace emissions factor derived from average of 2015 M29 stack tests.
	scription: Electro-v							
Hg	90,041.00	tpy	0.002211	lbs/hr				Electro-winning Circuit emissions factor derived from avg. of 2015 M29 stack
	cription: Pregnan							tests. The Pregnant and Barren Strip Solution Tanks are vented to a common
Hg	See Above	tpy	See Above	lbs/hr				stack with the Electro-winning Circuit, Mercury Retort, and Crucible Furnace.
	cription: Barren S							Since the fluids circuit is not tested separately from the Retort and Furnace,
Hg	See Above	tpy	See Above	lbs/hr	15.3466	6,941	0.0000	the highest test value is used as a surrogate for the Electro-winning Circuit alone.
System Des	cription: Mercury	Co-Product						
Hg					0.0000		0.0000	Elemental mercury collected disposed of as hazardous waste, not co-product.
System Des	scription: Assay La	aboratory						
Hg					2.2239		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				Facility Total:	908.0610		0.1675	CY2006 Co-product: 335 lbs/yr.
1			CY2007	Facility Total:	5.2255		0.2450	CY2007 Co-product: 490 lbs/yr.
1			CY2008	Facility Total:	10.4883		0.5690	CY2008 Co-product: 1,138 lbs/yr.
				Facility Total:	4.4540		0.8160	CY2009 Co-product: 1,632 lbs/yr.
			CY2010	Facility Total:	9.3695		1.0330	CY2010 Co-product: 2,066 lbs/yr.
				Facility Total:	11.1707		1.0500	CY2011 Co-product: 2,100 lbs/yr.
			CY2012	Facility Total:	2.1159		1.4600	CY2012 Co-product: 2,927 lbs/yr.
			CY2013	Facility Total:	7.5577		0.4765	CY2013 Co-product: 953 lbs/yr.
				Facility Total:	3.3689		0.0000	CY2014 Co-product: 0.00 lbs/yr.
			CY2015 F	acility Total:	24.8525		0.0000	CY2015 Co-product: 0.00 lbs/yr.
Source: Bor	realis Mining Com	pany: AQOP AP	1041-2855: M	OPTC AP104	11-2228	•	•	
System Des	scription: Deep Be	ed Carbon Scrubb	per: Carbon R	egeneration k	Kiln (S2.003/TU4.001)			
Hg	502.00	tpy	0.000839	lb/hr	6.7456	8,040	0.0000	Carbon Kiln emissions factor derived from average of 2015 M29 stack tests.
	scription: Deep Be							
Hg	4.20	tpy	0.000304	lb/hr	0.4168	1,371	0.0000	Retort emissions factor derived from 2015 M29 stack test.
	scription: Deep Be					1,51		
Hg	1.90	tpy	0.00016185		0.0326	202	0.0000	Furnace emissions factor derived from average of 2015 M29 stack tests.
					06 - S2.008/TU4.004 -		0.0000	- amade emissione tactor control mem are tage of 20 to m20 class tools
Hg	5,614.24	1000Gal/Yr	0.00042	lb/hr	2.2235	5,294	0.0000	Solutions Circuit emissions factor derived from 2015 M29 stack test.
	scription: Mercury		0.000.2		2.2200	0,20.	0.0000	Security Street
Hg	The state of the s		1		0.0000	I	0.0000	Facility-wide mercury co-product collected, no breakout by system provided.
9		1	CY2006	Facility Total:	0.0000		0.0000	CY2006 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0000		0.0000	CY2007 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0000		0.0000	CY2008 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0000		0.0000	CY2009 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0000		0.0000	CY2010 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0000		0.0000	CY2011 Co-product: 0.00 lbs/yr.
				Facility Total:	12.0456		0.0000	CY2012 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0353		0.1640	CY2013 Co-product: 327.50 lbs/yr.
				Facility Total:	0.0353		0.1640	CY2014 Co-product: 702 lbs/yr.
				acility Total:	9.4184		0.3510	CY2015 Co-product: 0.00 lbs/yr.
0	mint Tons 1 Di	da - 1				1 0040	0.0000	O 12013 GO-product. 0.00 lbs/yr.
			eli iviine: AQO	P AP 1041-02	292.01; MOPTC AP104	11-2249		
	scription: Assay/M	et Laboratory	1	ı	4.0574		0.0000	Detential to amit (DTC) not actual and De Minimis Designation Task D
Hg		1	0)/0000		4.6574		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				Facility Total:	10.6752		0.0000	CY2006 Co-product: 0.00 lbs/yr.
				Facility Total:	4.9660		0.0000	CY2007 Co-product: 0.00 lbs/yr.
				Facility Total:	4.9462		0.0000	CY2008 Co-product: 0.00 lbs/yr.
				Facility Total:	4.9462		0.0000	CY2009 Co-product: 0.00 lbs/yr.
				Facility Total:	4.9462		0.0000	CY2010 Co-product: 0.00 lbs/yr.
				Facility Total:	4.9462	ĺ	0.0000	CY2011 Co-product: 0.00 lbs/yr.
						ł		
			CY2012	Facility Total:	4.9462		0.0000	CY2012 Co-product: 0.00 lbs/yr.
			CY2012 CY2013	Facility Total: Facility Total:	4.9462 4.9462		0.0000	CY2012 Co-product: 0.00 lbs/yr. CY2013 Co-product: 0.00 lbs/yr.
			CY2012 CY2013 CY2014	Facility Total:	4.9462 4.9462 4.7375			CY2012 Co-product: 0.00 lbs/yr.

Source: Uni	itad Mining Partne	ore LLC (formorly	Noble Technol	ogios Corp)	: AQOP AP1041-364	F: MODTO A	D10/11 2701		
		es (2 Drying, 1 Sme		ogies Corp.)	. AQUE AF 1041-304	5, WOFTCA	F1041-2701		
Hg	Тигласе	is (2 Dryllig, 1 Sille	eitirig)		0.0000	1 1	0.0000	Potential to emit (PTE) of 4.0026 lbs/yr, not actual - see DM Technical Review.	
пу	1		CV2010 E	acility Total:	4.0026		0.0000	CY2010 Co-product: 0.00 lbs/yr.	
				acility Total:	4.0026	-	0.0000	CY2011 Co-product: 0.00 lbs/yr.	
				acility Total:	4.0026	-	0.0000	CY2012 Co-product: 0.00 lbs/yr.	
				acility Total:	4.0026	-	0.0000		
						_		CY2013 Co-product: 0.00 lbs/yr.	
				acility Total:	4.0026 0.0000		0.0000 0.0000	CY2014 Co-product: 0.00 lbs/yr. CY2015 Co-product: 0.00 lbs/yr.	
0 00	200 110 //					4 0000	0.0000	C12015 Co-product: 0.00 ibs/yr.	
				OP AP1041-	3301; MOPTC AP104	1-3302			
		Kiln (S2.006/TU4.				1		0 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Hg	116.00	tpy	0.0000253	lbs/hr	0.0369	1,459	0.0000	Carbon Kiln emissions factor derived from 2015 M29 stack test.	
		Retort (S2.008/TU						D	
Hg	1.42	tpy	7.23E-09	lbs/hr	0.0000	655	0.0000	Retort emissions factor derived from 2015 M29 stack test.	
		nace (S2.010/TU4				1 470			
Hg	0.86	tpy	0.0000124	lbs/hr	0.0021	170	0.0000	Furnace emissions factor derived from 2015 M29 stack test.	
					ks (S2.011/TU4.004 -		0.0000	10 1 01 1 01 1 1 1 1 1 1 1 1 1 1 1 1 1	
Hg	656.00		0.00000148	lbs/hr	0.0041	2,777	0.0000	Carbon Stripping Circuit emissions factor derived from 2015 M29 stack test.	
	cription: Mercury	Co-Product				1 1		-	
Hg	1,	<u> </u>			0.0000		0.3200	Facility-wide mercury co-product collected, no breakout by system provided.	
	cription: Assay L	aboratory	ı		0.4700		0.0000	In the work of the control of the co	
Hg					2.4700		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.	
				acility Total:	0.0000		0.0000	CY2013 Co-product: 0.00 lbs/yr.	
				acility Total:	0.0000	_	0.0000	CY2014 Co-product: 0.00 lbs/yr.	
				cility Total:	2.5131		0.3200	CY2015 Co-product: 637.62 lbs/yr.	
Source: ATNA Resources, Inc.: AQOP AP1041-3086; MOPTC AP1041-3089									
	cription: Assay L	aboratory							
Hg					2.4156		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.	
				acility Total:	2.4156		0.0000	CY2013 Co-product: 0.00 lbs/yr.	
				acility Total:	2.4156	_	0.0000	CY2014 Co-product: 0.00 lbs/yr.	
			CY2015 Fa	cility Total:	2.4156		0.0000	CY2015 Co-product: 0.00 lbs/yr.	
		: AQOP AP1041-			-2726				
System Des	cription: Assay L	aboratory (2 Griev	e Drying Ovens	s)					
Hg					4.9200		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.	
				acility Total:	4.9200		0.0000	CY2010 Co-product: 0.00 lbs/yr.	
				acility Total:	4.9200		0.0000	CY2011 Co-product: 0.00 lbs/yr.	
				acility Total:	4.9200	<u> </u>	0.0000	CY2012 Co-product: 0.00 lbs/yr.	
			CY2013 F	acility Total:	4.9200		0.0000	CY2013 Co-product: 0.00 lbs/yr.	
			CY2014 F	acility Total:	4.9200		0.0000	CY2014 Co-product: 0.00 lbs/yr.	
			CY2015 Fa	cility Total:	4.9200		0.0000	CY2015 Co-product: 0.00 lbs/yr.	
Source: Mt.	Hamiltion, LLC:	AQOP AP1041-35	500; MOPTC A	P1041-3520					
		Retort (S2.003/Tl							
Hg		tpy	Ó	lbs/hr	0.0000	0	0.0000	Facility did not operate, not yet constructed.	
	cription: ADR Pla	ant: Carbon Kiln (S2.004B/TU4.0						
Hg		tpy	0	lbs/hr	0.0000	0	0.0000	Facility did not operate, not yet constructed.	
	cription: ADR Pla	ant: Smelting Furn	ace (S2.005/T						
Hg		tpy	0	lbs/hr	0.0000	0	0.0000	Facility did not operate, not yet constructed.	
	cription: ADR Pla				2.006 - S2.010/TU4.00				
Hg	T	tpy	0	lbs/hr	0.0000	0	0.0000	Facility did not operate, not yet constructed.	
	cription: Mercury		-					,,,	
Hg	1		I		0.0000		0.0000	Facility-wide mercury co-product collected - Retort.	
	cription: Assav L	aboratory (14 The	rmal Units)			·	. ,	, , p	
Hg					0.0000		0.0000	Potential to emit (PTE) of 4.11 lbs/yr, not actual - see DM Technical Review.	
.5		+	CY2015 Fa	cility Total:	0.0000		0.0000	CY2015 Co-product: X lbs/yr.	
			J J. J T U	,		_			

_													
				any, LLC): A	QOP AP1041-2761; M	OPTC AP10	041-2690						
	scription: Mercury												
Hg	35.89	tpy	0.0000568	lbs/hr	0.1948	3,430	0.0000	Retort emissions factor derived from 2015 M29 stack test.					
	scription: Refinery	Furnace (S2.022)	/TU4.002)										
Hg		tpy	0	lbs/hr	0.0000	0	0.0000	Furnace shut down early 2014, unknown where precipitate is being smelted.					
System Des	scription: Mercury	Co-Product											
Hg					0.0000		0.0000	Facility-wide mercury co-product collected - Retort.					
System Des	scription: Assay La	aboratory (12 The	rmal Units)										
Hg					0.0309		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.					
			CY2011	Facility Total:	0.0309		0.0000	CY2011 Co-product: 0.00 lbs/yr.					
			CY2012	Facility Total:	0.2755		0.0000	CY2012 Co-product: 0.00 lbs/yr.					
			CY2013	Facility Total:	0.9812		0.0003	CY2013 Co-product: 0.583 lbs/yr.					
			CY2014	Facility Total:	0.0708		0.0070	CY2014 Co-product: 14 lbs/yr.					
			CY2015 F	acility Total:	0.2257		0.0000	CY2015 Co-product: 0.00 lbs/yr.					
Source: Mir	Source: Mineral Ridge Gold, LLC: AQOP AP1041-2733; MOPTC AP1041-2222												
System Description: Assay Laboratory (9 Thermal Units)													
Hg		, ,			2.9851		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.					
	II	l .	CY2011	Facility Total:	2.1256		0.0000	CY2011 Co-product: 0.00 lbs/yr.					
				Facility Total:	2.1256		0.0000	CY2012 Co-product: 0.00 lbs/yr.					
				Facility Total:	2.9851		0.0000	CY2013 Co-product: 0.00 lbs/yr.					
				Facility Total:	2.9851		0.0000	CY2014 Co-product: 0.00 lbs/yr.					
				acility Total:	2.9851		0.0000	CY2015 Co-product: X Ibs/yr.					
Source: Au	ırıım Joint Venture	LLC: ACOP AP			11-2638 - Permits term	inated for no		FY2016 annual fees					
	scription: Assay La		1011 2011, 101	01 10711 101	11 2000 1 0111110 101111	matou for fic	on paymont on	1 12010 dilliddi 1000.					
Hg	Tooliga Tioody E				0.0000		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.					
119	1	l	CY2009	Facility Total:	2.7962		0.0000	CY2009 Co-product: 0.00 lbs/yr.					
				Facility Total:	2.7962		0.0000	CY2010 Co-product: 0.00 lbs/yr.					
				Facility Total:	2.7982		0.0000	CY2011 Co-product: 0.00 lbs/yr.					
				Facility Total:	2.7982		0.0000	CY2012 Co-product: 0.00 lbs/yr.					
				Facility Total:	2.7982		0.0000	CY2013 Co-product: 0.00 lbs/yr.					
I				Facility Total:	2.7982		0.0000	CY2014 Co-product: 0.00 lbs/yr.					
				acility Total:	0.0000		0.0000	CY2015 Co-product: 0.00 lbs/yr.					
Source: Go	Julyandra IIC G	oldwedde Mino (fo			Company): AQOP AP1	0/1-1/57:1							
	scription: Assay L				Joinpariy). AQOF AFT	0+1-140/,1	10 AF 104	F1-2000					
Hg	Hosay L	l Doratory & Dore		ace	0.3624		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.					
rig		<u> </u>	CY2006	Facility Total:	0.0000		0.0000	CY2006 Co-product: 0.00 lbs/yr.					
			CV2007	Facility Total:	4.1040		0.0000	CY2007 Co-product: 0.00 lbs/yr.					
				Facility Total:	4.1040		0.0000	CY2008 Co-product: 0.00 lbs/yr.					
				Facility Total:	4.1040		0.0000	CY2009 Co-product: 0.00 lbs/yr.					
				Facility Total:	4.1040		0.0000	CY2010 Co-product: 0.00 lbs/yr.					
				Facility Total:	4.1040		0.0000	CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr.					
				Facility Total:	4.1040		0.0000	CY2011 Co-product: 0.00 lbs/yr.					
				Facility Total:	4.4661		0.0000	CY2013 Co-product: 0.00 lbs/yr.					
				Facility Total:	4.4661		0.0000	CY2014 Co-product: 0.00 lbs/yr.					
				acility Total:	4.4661 0.3624		0.0000 0.0000	CY2014 Co-product: 0.00 lbs/yr.					
			C12015 F	achity rotal:	0.3024		0.0000	C12019 CO-product: A ibs/yr.					

					20.03; MOPTC AP10	41-2247				
System Des	cription: Electric (Carbon Regenera	ation Kiln (S2.0	02/TU4.001)						
Hg	2,017.00	tpy	0.00000147	lbs/hr	0.0049	3,362	0.0000	Carbon Kiln emissions factor derived from 2015 M29 stack test.		
System Des	cription: Mercury	Retort (S2.014/T	U4.002)							
Hg	11.00	tpy	2.99E-07	lbs/hr	0.0003	864	0.0000	Retort emissions factor derived from average of 2015 M29 stack tests.		
System Des	cription: Mercury	Co-Product								
Hg					0.0000		0.0000	Facility-wide mercury co-product collected - Retort.		
System Des	cription: Pregnan	t & Barren Tanks	, Electro-winni	ng Cells, Dry	ing Oven and 2 AA Ur	nits. SXEW E	EW Cells and N	Metallurgical Lab DM status pending determination.		
Hg					0.5762		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.		
			CY2006	Facility Total:	2.3061		0.0000	CY2006 Co-product: 0.00 lbs/yr.		
			CY2007	Facility Total:	0.4579		0.0000	CY2007 Co-product: 0.00 lbs/yr.		
			CY2008	Facility Total:	0.8053		0.0000	CY2008 Co-product: 0.00 lbs/yr.		
			CY2009	Facility Total:	1.3102		0.0000	CY2009 Co-product: 0.00 lbs/yr.		
			CY2010	Facility Total:	0.3835		0.0000	CY2010 Co-product: 0.00 lbs/yr.		
			CY2011	Facility Total:	0.3749		0.0000	CY2011 Co-product: 0.00 lbs/yr.		
			CY2012	Facility Total:	0.3724		0.0000	CY2012 Co-product: 0.00 lbs/yr.		
			CY2013	Facility Total:	0.5415		0.0370	CY2013 Co-product: 60 lbs/yr.		
			CY2014	Facility Total:	0.5799		0.0000	CY2014 Co-product: 0.00 lbs/yr.		
			CY2015 F	acility Total:	0.5814		0.0000	CY2015 Co-product: 0.00 lbs/yr.		
					P1041-2805; MOPTC					
System Des	cription: North Ro	aster Mill Circuit	#1 Air Pre-He	ater and Dry	Grinding Process (S2.	204 & S2.20	5.01 - S2.205.1			
Hg	2,688,033.00	tpy	0.000409	lbs/hr	3.239689	7,921	0.0000	Mill Circuit #1 emissions factor derived from 2015 M29 stack test.		
System Des	cription: South Ro	oaster Mill Circuit	#2 Air Pre-He	ater and Dry	Grinding Process (S2	.206 & S2.20	7.01 - S2.207.1	12/TU4.002)		
Hg	2,659,267.00	tpy	0.000485	lbs/hr	3.811615	7,859	0.0000	Mill Circuit #2 emissions factor derived from 2015 M29 stack test.		
System Des	cription: Roasters	s #1 & #2 (S2.209	0.1 & S2.209.2	/TU4.003 & T	(U4.004)	•				
								Roaster Circuit emissions factor derived from average of 2015 M29 stack tests.		
								Testing was conducted during dual Roaster operations. Annual hours operated		
11-	F F0F 0F0 00	A	0.047005	II /I	105.00000	7.070	0.0000	is the average of individual Roaster operations. Roaster #1 operated 7,568		
Hg	5,565,652.00	tpy	0.017635	lbs/hr	135.36626	7,676	0.0000	hrs/yr, Roaster #2 operated 7,783 hrs/yr.		
	cription: North Ro					7.500	0.0000	Overale Observit ### analysis for the above of firms 0045 M00 at all the st		
Hg	2,887,330.00	tpy	0.00217	lbs/hr	16.42256	7,568	0.0000	Quench Circuit #1 emissions factor derived from 2015 M29 stack test.		
_	cription: South Ro					7 700	0.0000	Overally Circuit #0 emissions factor derived from 2015 M20 stock test		
Hg		tpy	0.00957	lbs/hr	74.48331	7,783	0.0000	Quench Circuit #2 emissions factor derived from 2015 M29 stack test.		
	cription: Analytica 47.00				14.2755	0.750	0.0000	Assaul ab amissions factor derived from 2015 M20 actaly test		
Hg System Doc	cription: Carbon F	tpy	0.00163	lbs/hr	14.2/55	8,758	0.0000	Assay Lab emissions factor derived from 2015 M29 satck test.		
					0.0704	6 1 7 1	0.0000	Carbon Kiln amiggiona factor derived from average of 0015 M00 steels to the		
Hg System Doo	6,829.00	tpy	0.0001572	lbs/hr	0.9701 TU4.009 & TU4.011)	6,171	0.0000	Carbon Kiln emissions factor derived from average of 2015 M29 stack tests.		
						0.070	0.0000	D/D Tanks A emissions feator deviced from average of CO1E MCC stanks to the		
Hg System Doo	Not Reported	gals/yr	0.000116	lbs/hr	0.2412	2,079	0.0000	P/B Tanks A emissions factor derived from average of 2015 M29 stack tests.		
_	Not Reported		0.0000945	lbs/hr	U4.010 & TU4.012) 0.2262	2,394	0.0000	D/P Tanka P amissions factor derived from average of 2015 M20 stack tasts		
Hg System Dec	cription: Autoclav	gals/yr		IDS/III	0.2202			P/B Tanks B emissions factor derived from average of 2015 M29 stack tests.		
	cription: Autociav		4.013)	lbs/hr	0.0000	Acidic	Operation	Autoclayo #1 did not aparata in 2015		
Hg System Dec	cription: Autoclav	tpy	6 9 60 017/71			Apidia	0.0000 Operation	Autoclave #1 did not operate in 2015.		
System Des	T Autociav	es #2 & 3 (52.01 I	0 α S2.01//10	J4.014 & 1U4	I.013j)	Acidic	Operation	Autoclaves #2 & 3 emissions factor derived from 2015 M29 stack tests.		
						1		Testing was conducted during dual Autoclave operations. Annual hours		
						1				
						1		operated is the average of individual Autoclave operations. Autoclave #2		
11-	1 250 770 00	terr	0.00460	lbc/b=	10.0000	6 005	0.0000	operated 6,157 hrs/yr, Autoclave #3 operated 6,433 hrs/yr.		
Hg	1,359,779.00	tpy	0.00163	lbs/hr	10.2609	6,295	0.0000			

Custom Door	winting. Autoplay	#4	C0 000/TII/	1010 TH40	10//	Asidia	Operation	
System Desc	cription: Autoclav	es #4 - 6 (52.018	- 52.020/104	.016 - 104.0	18))	Acidic	Operation	Autoplayed #4 Comissions factor derived from 2015 M20 stack test
								Autoclaves #4 - 6 emissions factor derived from 2015 M29 stack test.
								Testing was conducted during simultaneous operations and only during
								alkaline operations mode. Annual hours operated under acidic mode were
					0.0000		0.0000	not reported. Autoclave #4 operated X hours/yr; #5 operated X hours/yr; and
Hg		tpy	CO 000/TU	lbs/hr	0.0000	A II . = Ii . =	0.0000	#6 operated X hrs/yr.
System Desc	cription: Autoclav	es #4 - 6 (52.018	- 52.020/104 T	.016 - 104.0	18)	Alkaline	Operation	Autolous #4 Comissions feater desired from 0045 M00 start test
								Autoclaves #4 - 6 emissions factor derived from 2015 M29 stack test.
								Testing was conducted during simultaneous operations and only during
								alkaline operations mode. Annual hours operated is the average of individual
	1 001 007 00		0.0000070		0.4.400	F 450	0.0000	Autoclave operations during alkaline mode. Autoclave #4 operated
Hg	1,681,237.00	tpy	0.0000273	lbs/hr	0.1490	5,459	0.0000	5,227 hrs/yr; #5 operated 5,537 hrs/yr; and #6 operated 5,612 hrs/yr.
_	cription: Mercury	•		U /l	0.0005	4 4 4 7	0.0000	Data di di ancia di ancia di ancia di ancia di ancia di finanzia 2015 M00 atradi da at
Hg	22.00 cription: Mercury	tpy	3.51E-07	lbs/hr	0.0005	1,447	0.0000	Retort #1 emissions factor derived from 2015 M29 stack test.
_	48.00	,		lla a /la r	0.0005	0.170	0.0000	Detart#0 emissions factor deviced from 001E M00 steels test
Hg		tpy	1.57E-07	lbs/hr	0.0005	3,170	0.0000	Retort#2 emissions factor derived from 2015 M29 stack test.
	cription: Mercury			lla a /la r	0.0000	0.040	0.0000	Datast #2 amissions factor devised from 201E M20 stock tost
Hg System Doos	42.00 cription: Mercury	tpy	6.4E-08	lbs/hr	0.0002	2,848	0.0000	Retort #3 emissions factor derived from 2015 M29 stack test.
_	7.00		1.01E-07	lba/b=	0.0001	776	0.0000	Retort #4 emissions factor derived from 2015 M29 stack test.
Hg		tpy		lbs/hr				
System Desc	ription: East & W	rest Refinery Furi	naces & Elect	ro-winning Ce	elis combinea ventea tr	rrougn a con	nmon carbon iiii	ter and stack (S2.013 & S2.014/TU4.022 & TU4.023)
								Furnaces's/EW Cells emissions factor derived from average of 2015 M29 stack
								tests. Testing was conducted during dual Furnace and EW Cell operations.
								Annual hours operated is the average of individual Furnace operations.
					0.0507	070		East Furnace (TU4.022) operated 639 hrs/yr; West Furnace (TU4.023)
Hg	98.00	tpy	0.0093105	lbs/hr	6.2567	672	0.0000	operated 705 hrs/yr.
System Desc	cription: Electro-w	vinning Cells only	(104.024)			T T		TOW O. H
								EW Cells emissions factor derived from 2015 M29 stack test while the
								Furnaces were not operating. Total EW Cell operating hours were 8,128
								hrs/yr. Combined Furnace/EW Cell operating hours of 672 hrs/yr. were
		. ,				7.450		subtracted from total hours operated to arrive at 7,456 hours of EW Cell
Hg	Not Reported	gals/yr	0.000375	lbs/hr	2.7960	7,456	0.0000	operations only.
System Desc	cription: Resin-In-	Leach (RIL) Eluti	on Circuit Reg	generation I a	nks (S2.333.1 - S2.33	3.8/104.026	- 104.029)	DI 51 (0' ') D
	N . B	. ,	0 0000101		0.0000	F 70.4	0.0000	RIL Elution Circuit Regeneration Tanks commenced operations 11/18/14.
Hg	Not Reported	gals/yr	0.0000104	lbs/hr	0.0602	5,784	0.0000	RIL Regen. Tanks emissions factor derived from March 2015 M29 stack test.
System Desc	cription: Resin-In-	Leach (RIL) Elec	tro-winning Ci	rcuit & Pregn	ant/Barren Tanks (S2.:	342.1 - S2.3	42.3/104.030 -	
1	N-4 D		0.00055.05	II A	0.4004	7.000	0.0000	RIL EW Circuit & P/B Tanks commenced operations 11/24/14.
Hg	Not Reported	gals/yr	6.9335E-05	lbs/hr	0.4901	7,069	0.0000	RIL EW Circuit emissions factor derived from average of 2015 M29 stack tests.
_	cription: Mercury	Co-Product	I		0.0000		00.4000	Coult wild many many and the allocated as bornel with the county
Hg System Doos	ription: Asset M	III Mill Mot Autor	olovo Autosla	vo Mot and D	0.0000	haratarias C	66.4800	Facility-wide mercury co-product collected, no breakout by system provided. a and Ore Fines Fee System.
	inpuon: Assay, M	iiii, iviiii iviet, Autoo	liave, Autocia I	ve Met and R	4.7500	boratories, S		
Hg			C)/0000	Facility Total:	4.7500 616.7650		0.0000 98.5500	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
1				Facility Total:	708.6590		58.6300	CY2006 Co-product: 197,100 lbs/yr. CY2007 Co-product: 117,260 lbs/yr.
1				Facility Total:	166.0557		87.3300	CY2008 Co-product: 117,260 lbs/yr.
				Facility Total:	369.7831		61.8730	CY2009 Co-product: 134,660 lbs/yr.
					266.9336		60.1080	CY2010 Co-product: 123,746 lbs/yr.
			CY2010 Facility Total: CY2011 Facility Total:					
			CY2011 Facility Total:		630.5519		59.9200	CY2011 Co-product: 119,840 lbs/yr.
					334.9836		44.4100	CY2012 Co-product: 88,820 lbs/yr.
				Facility Total:	386.0257		50.6700	CY2013 Co-product: 101,340 lbs/yr.
			CY2014	Facility Total:	227.3012		53.4000	CY2014 Co-product: 106,800 lbs/yr.
			CY2015 F	acility Total:	273.8005		66.4800	CY2015 Co-product: 132,960 lbs/yr. No calomel/elemental breakout
								provided.

CY 2015 Cu	mulativa	Totale	CY 2015 process emissions were solely derived using one consistent
Process Emissions (lbs/yr)	mulative	Co-Product	FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy.
688.12		131.17	Co-product: 262,340 lbs/yr
CY 2014 Cumulative Totals			CY 2014 process emissions were solely derived using one consistent
Process Emissions (lbs/yr)		Co-Product (tpy)	FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy.
484.21		145.12	Co-product: 290,240.00 lbs/yr
CY 2013 Cu	ımıılatiya T	otals	CY 2013 process emissions were solely derived using one consistent
Process Emissions (lbs/yr) 748.63	inulative 1		FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy. In some instances, 2012 test results were used due to invalidated 2013 test results.
			Co-product: 223,140 lbs/yr
CY 2012 Cu	ımıılative T	otale	CY 2012 process emissions were solely derived using one consistent
Process Emissions (lbs/yr) 1,393.42			FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy. Co-product: 231,900 lbs/yr

Note: The total value is lower than actual industry-wide emissions due to a few thermal units which were unable to test in the reporting year and the absence of 2009 test data for Barrick Goldstrike's autoclaves under alkaline operating conditions. See 2009 Report for details.

CV 2010 C	umulative Totals	CY 2011 process emissions were solely derived using one consistent		
Process Emissions (lbs/yr)	Co-Product (tpy)	FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy.		
1,607.96	106.77	Co-product: 213,540 lbs/yr		
07.0010.0	Let Table	Iovoro		
C1 2010 C	umulative Totals	CY 2010 process emissions were solely derived using one consistent FRM testing methodology (Method 29). Testing protocols were reviewed		
Process Emissions (lbs/yr)	Co-Product (tpy)	prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy.		
1,134.15	101.59	Co-product: 203,180 lbs/yr		
		00 product. 200, 100 No. j.		
CY 2009 Ct	umulative Totals	CY 2009 process emissions were solely derived using one consistent		
Process Emissions lbs/yr	Co-Product tpy	FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy. In general, testing went much better in 2009 than in 2008 with far fewer testing irregularities or instances where test results were invalidated.		
1,336.46	90.18	Co-product: 180,360 lbs/yr		
OV 0000 O	lativa Tatala	0.0000		
Process Emissions Ibs/yr	Co-Product tpy	CY 2008 process emissions were largely derived using one consistent FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy. Some facilities had entire testing events, or in some cases just one or more runs of a test event, invalidated due to irregularities in testing protocol, poor sample handling procedures or laboratory errors. Yukon-Nevada Corporation - Jeritt Canyon Mine (formerly Queenstake Resources) did not test in 2008 due to the temporary NDEP ordered shutdown of the facility.		
3,165.90	102.93	Co-product: 205,860 lbs/yr		
CY 2007 Cumulative Totals		CY 2007 process emissions were largely derived using one consistent		
Process Emissions lbs/yr	Co-Product tpy	FRM testing methodology (Method 29) with scattered M101A and OHM results used in lieu of M29 due to test schedule conflicts/logistics issues. Testing protocals were reviewed prior to test commecoment and all final report of the protocol of the commerce of the conflict		
4,764.52	97.68	report submittals were reviewed to ensure reporting accuracy. Co-product: 195,360 lbs/yr		
	umulative Totals	CY 2006 process emissions and co-product values were accepted		
Process Emissions Co-Product tpy lbs/yr tpy 4,468.15 133.26		"as submitted" due to variability in testing methodology, emission calculation methods and/or the lack of current FRM test results. Co-product: 266,520 lbs/yr		