							ronmental Prote	
		Calendar	Year 2017 A	ctual Productio	Bureaus of Air P on/Emission Reporting			/ Planning Emissions from the Precious Metals Mining Industry
		Cu	mulative Neva	ada Mercury C	Control Program (NMC	CP): Mercury	y Operating Peri	mit To Construct (MOPTC) Data Submittals
Pollutant ID	Production/Heat	Production Units	Emissions	Emissions	Hg Annual	Hours	Hg Co-Product	Notes
	Rate	(eg. tons/yr)		Factor Units		Operated	(tons/yr)	
Source: Nev	wmont Mining Cor	rporation - Twin C	reeks Mine:	FIN A0003; CI	ass 1 AQOP AP1041	-0723.03; M	OPTC AP1041-2	2218
System Desc	cription: Juniper I	Mill Electric Induct	tion Furnace #	#1 (S2.008/TU	14.001 - 1 of 2, only or	ne operates	at a time)	
Hg	54.02	tpy	0.001916	lbs/hr	0.8264	431		Induction Furnace emissions factor derived from 2017 M29 stack test.
System Desc		Mill Electric Induct		#2 (S2.008.1/T	U4.002 - 1 of 2, only	one operate	s at a time)	
Hg	50.25	tpy	0.001082	lbs/hr	0.4441	410	0.0000	Induction Furnace emissions factor derived from 2017 M29 stack test.
System Desc	cription: Juniper I	Mill Carbon Kiln (S	S2.002/TU4.0	03)				
Hg	5,349.24	tpy	0.00039	lbs/hr	2.9036	7,445	0.0000	Carbon Kiln emissions factor derived from 2017 M29 stack test.
System Desc	cription: Mercury							
Hg	42.40		0.00000166		0.0052	3,130	0.0000	Retort A emissions factor derived from 2017 M29 stack test.
System Desc	cription: Mercury							
Hg	39.23		0.0000337		0.0106	3,144	0.0000	Retort B emissions factor derived from 2017 M29 stack test.
System Desc	cription: Sage Mi	II Autoclave #1 (S	2.009/TU4.01	4)				
Hg	1,932,368.00	tpy	0.000029	lbs/hr	0.2338	8,061	0.0000	Autoclave #1 emissions factor derived from 2017 M29 stack test.
System Desc	cription: Sage Mi	II Autoclave #2 (S		5)				
Hg	1,849,425.00	tpy	0.0000301	lbs/hr	0.2377	7,897	0.0000	Autoclave #2 emissions factor derived from 2017 M29 stack test.
System Desc				- six cells duc	ted to common stack)		•	
Hg	74.58	MMGals/yr	0.0000938	lbs/hr	0.8217	8,760	0.0000	Electro-winning Cells emissions factor derived from 2017 M29 stack test.
System Desc				lution Tanks (	S2.053 - S2.055/TU4	.006 - TU4.0	08)	
Hg	80.58	MMGals/yr	0.001095	lbs/hr	9.5856	8,754		Preg./Barren Tanks emissions factor derived from 2017 M29 stack test.
System Desc			ren Strip Solu	ition Tanks (S	2.057 & S2.058/TU4.0	010 & TU4.0	11)	
Hg	84.53	MMGals/yr	0.000267	lbs/hr	2.2028	8,250	0.0000	Preg./Barren Tanks emissions factor derived from 2017 M29 stack test.
System Desc	cription: Mercury	Co-Product						
Hg					0.0000			Facility-wide mercury co-product collected, no breakout by system provided.
System Desc	cription: Laborato	ory Sample Prep.,	Fire Assay, V	Vet Lab, Slurr	y Prep., LECO, Instru	mentation, N		clave Rooms (S2.040 - S2.044/DM3.001 - DM3.042)
Hg					3.9781		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				Facility Total:	434.3715		8.9100	CY2006 Co-product: 17,820 lbs/yr
			CY2007	Facility Total:	929.9303		13.2160	CY2007 Co-product: 26,432 lbs/yr.
				Facility Total:	1,679.1864			CY2008 Co-product: 17,600 lbs/yr.
			CY2009	Facility Total:	425.7559		5.9080	CY2009 Co-product: 11,816 lbs/yr.
			CY2010	Facility Total:	178.8392		5.4670	CY2010 Co-product: 10,934 lbs/yr.
				Facility Total:	452.1731		3.9940	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.
				Facility Total:	20.2603			CY2015 Co-product: 10,580 lbs/yr.
				Facility Total:	19.9695			CY2016 Co-product: 20,439 lbs/yr.
			CY2017 F	acility Total:	21.2494		11.0290	CY2016 Co-product: 22,058 lbs/yr.

Source: Jerritt Canyon Go	ld IIC - Ierritt Can	von Mine: EIN A				AP10/1-2217	
System Description: West							
Hg 577,722.00		0.001138	lbs/hr	7.4027	6.505	0.0000	Roaster emissions factor derived from 2017 M29 stack test.
System Description: East		2.032 & S2.034/7	TU4.003 & T	TU4.003A - East Roas	ster & East C	uench Tank)	
Hg 613,147.00	tpy	0.001471	lbs/hr	10.2323	6,956	0.0000	Roaster emissions factor derived from 2017 M29 stack test.
System Description: Ore I	)ryer (S2.022/TU4.0	001)					
Hg 1,299,088.0		0.002814	lbs/hr	14.6919	5,221	0.0000	Ore Dryer emissions factor derived from 2017 M29 stack test.
System Description: Merc	ury Retort (S2.039.1			-			
Hg 19.95	tpy	0.0000866	lbs/hr	0.1268	1,464	0.0000	Retort emissions factor derived from 2017 M29 stack test.
System Description: Refin	~						
Hg 12.15	tpy	0.001205	lbs/hr	0.1687	140	0.0000	Furnace emissions factor derived from 2017 M29 stack test.
System Description: Elect		<b>°</b>					
Hg 8,696,521.0		0.014668	lbs/hr	111.9168	7,630	0.0000	EW Cells and P/B Tanks emissions factor derived from 2017 M29 stack test.
System Description: Merc	ury Co-Product	· · · · · · · · ·		•			
Hg				0.0000		5.0200	Facility-wide mercury co-product collected, no breakout by system provided.
System Description: Labo	atory Units Includin	g Five Large Ore	e Drying Ov		2.3/DM3.001	,	
Hg				4.2726		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
		CY2006 Fa				2.9600	CY2006 Co-product: 5,920 lbs/yr.
		CY2007 Fa				1.0200	CY2007 Co-product: 2,040 lbs/yr.
		CY2008 Fa				0.7100	CY2008 Co-product: 1,420 lbs/yr.
		CY2009 Fa				2.1000	CY2009 Co-product: 4,200 lbs/yr.
		CY2010 Fa				11.0380	CY2010 Co-product: 22,076 lbs/yr.
		CY2011 Fa				0.0000	CY2011 Co-product: 0.00 lbs/yr.
		CY2012 Fa			1	1.5200	CY2012 Co-product: 3,040 lbs/yr.
		CY2013 Fa			4	2.5600	CY2013 Co-product: 5,120 lbs/yr.
		CY2014 Fa				3.9820	CY2014 Co-product: 7,964 lbs/yr.
		CY2015 Fa			1	5.3400	CY2015 Co-product: 10,675 lbs/yr.
		CY2016 Fa				4.4500	CY2016 Co-product: 8,900 lbs/yr.
		CY2017 Fac	ility Total:	148.8118		5.0200	CY2017 Co-product: 10,035 lbs/yr.

Source: No	wmont Mining Cor	poration Gold (		2: Class 1	AQOP AP1041-0793.		AD10/1 2210	
			buble Rotator Air P				AF 1041-2219	
Bystern Des Ha	3,554,595.00		1	lbs/hr	3.8605	7,540	0.0000	Static Seperator emissions factor derived from 2017 M29 stack test.
		tpy			29/ TU4.002 & TU4.0		0.0000	Static Seperator emissions factor derived from 2017 M/29 stack test.
Bystern Des Ha	3.580.661.00	tpy		lbs/hr	3.0953	7.856	0.0000	Ore Preheater's emissions factor derived from 2017 M29 stack test.
3	-,				5/TU4.004 & TU4.005	)	0.0000	Ore Preneater's emissions factor derived from 2017 M29 stack test.
Bystem Des Hg	3,580,661.00	tpy		3 & 32.143 lbs/hr	0.1351	) 7,856	0.0000	Ore Roaster's factor derived from 2017 M30B stack test.
					9/TU4.006 - TU4.009)		0.0000	Ore Roaster's factor derived from 2017 MiSOB stack test.
Bystern Des Ha	1,824,143.00	tpy		lbs/hr	77.9315	7,856	0.0000	North Quench Circuit emissions factor derived from 2017 M29 stack test.
					1/TU4.010 - TU4.013		0.0000	
Hq	1,756,518.00	tpy		lbs/hr	100.5056	7,852	0.0000	South Quench Circuit emissions factor derived from 2017 M29 stack test.
					28 & S2.229/TU4.014		0.0000	South Quench Circuit emissions factor derived from 2017 M29 stack test.
Bystem Des Hg	46,495,028.00	gals/yr		$\frac{1000}{1000}$ lbs/hr	0.2548	8,436	0.0000	Pregnant Strip Tanks emissions factor derived from 2017 M29 stack test.
					/TU4.016 & TU4.017)	0,430	0.0000	Pregnant Strip Tanks emissions factor derived from 2017 M29 stack test.
Ha	46.495.028.00	gals/yr		lbs/hr	2.2124	7.790	0.0000	Barren Tank/EW Cells emissions factor derived from 2017 M29 stack test.
3	-, -,				2.2124 /TU4.024 - TU4.026)	7,790	0.0000	
Hg	85.70	tpy		lbs/hr	0.8333	496	0.0000	Induction Furnace emissions factor derived from 2017 M29 stack test.
			uilding) Scrubber S			490	0.0000	
Hg	8.425.00	tpy	<b>3</b> /	lbs/hr	1.1572	8,266	0.0000	Kiln Scrubber Stack emissions factor derived from 2017 M29 stack test.
	-,		uilding) Scrubber S		-	0,200	0.0000	KIIII Scrubber Stack ethissions factor derived from 2017 M29 stack test.
					,	7.005	0.0000	Kile Osmitekan Otasla amiasiana fastan dariyad faam 0047 M00 ataslatast
Hg Ourstans Dara	8,139.00	tpy		lbs/hr	3.0513	7,905	0.0000	Kiln Scrubber Stack emissions factor derived from 2017 M29 stack test.
		,	Circuit #1 (S2.225/		0.0004	1 0 0 7		
Hg	24.20	tpy		lbs/hr	0.0001	1,267	0.0000	Retort Circuit #1 emissions factor derived from 2017 M29 stack test.
			Circuit #2 (S2.226/					
Hg	20.10	tpy		lbs/hr	0.0003	1,805	0.0000	Retort Circuit #2 emissions factor derived from 2017 M29 stack test.
System Des	cription: Refinery	Mercury Retort (	Circuit #3 (S2.227/					
Hg	22.00	tpy	2.91E-07	lbs/hr	0.0003	1,150	0.0000	Retort Circuit #3 emissions factor derived from 2017 M29 stack test.
System Des	cription: Mercury	Co-Product						
Hg					0.0000		11.0100	Facility-wide mercury co-product collected, no breakout by system provided.
System Des	cription: Assay La	aboratory, Met La	aboratory & Integra	ated Labora	atory (S2.230/DM3.00	1 - DM3.074	•)	
Hg					0.9080		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
			CY2006 Faci		310.6937		2.7200	CY2006 Co-product: 5,440 lbs/yr.
			CY2007 Faci	,	504.4204		6.1600	CY2007 Co-product: 12,320 lbs/yr.
			CY2008 Faci		422.4137		6.7700	CY2008 Co-product: 13,540 lbs/yr.
			CY2009 Faci		280.6857		5.3900	CY2009 Co-product: 10,780 lbs/yr.
			CY2010 Faci		397.1321		5.7000	CY2010 Co-product: 11,400 lbs/yr.
			CY2011 Faci	,	222.6075		3.8500	CY2011 Co-product: 7.700 lbs/yr.
			CY2012 Faci		231.8539		7.6100	CY2012 Co-product: 15,220 lbs/yr.
			CY2013 Faci	ility Total:	96.6344		4.3200	CY2013 Co-product: 8,640 lbs/yr.
			CY2014 Faci	ility Total:	115.9110		6.2800	CY2014 Co-product: 12,560 lbs/yr.
			CY2015 Faci		180.7430		5.2700	CY2015 Co-product: 10,540 lbs/yr.
			CY2016 Faci		132.1134		6.2500	CY2016 Co-product: 12,500 lbs/yr.
			CY2017 Facili	ity Total:	193.9456		11.0100	CY2017 Co-product: 22,020 lbs/yr.

Source: Klondex Midas Operations, Inc Mida	as/Kan Snyder Mine: EIN 40175		D1041 0766		P10/1 2080: MORTC AP10/1 2252
System Description: Refinery Furnace #1 (S2.		, Oldss Z AQOL A	1041-0700	5.02, OF TO A	1041-2303, MOLTO AL 1041-2233
Hg 143.40 tpy	0.00232 lbs/hr	2.7005	1,164	0.0000	Furnace #1 emissions factor derived from 2017 M29 stack test.
System Description: Refinery Furnace #2 (S2.		2.7005	1,104	0.0000	
Hq 143.40 tpy	0.001201 lbs/hr	1.3980	1,164	0.0000	Furnace #2 emissions factor derived from 2017 M29 stack test.
System Description: Retort A (S2.047/TU4.00		1.0000	1,104	0.0000	
Hg 48.80 tpy	0.00352 lbs/hr	9.6378	2,738	0.0000	Retort A emissions factor derived from 2017 M29 stack test.
System Description: Retort C (S2.052/TU4.00		3.0070	2,700	0.0000	
Hg 42.40 tpy	0.0000245 lbs/hr	0.0613	2,500	0.0000	Retort C emissions factor derived from 2017 M29 stack test.
System Description: Mercury Co-Product	010000210 100,111	0.0010	2,000	0.0000	
Hq		0.0000		0.0000	Facility-wide mercury co-product collected, no breakout by system provided.
System Description: Assay Laboratory (S2.04	4 & S2.045/DM3.001 - DM3.012)			0.0000	
Hq	lbs/hr	2.3159		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
	CY2006 Facility Total:	17.1801		0.0000	CY2006 Co-product: 0.00 lbs/yr.
	CY2007 Facility Total:	4.2457		0.0000	CY2007 Co-product: 0.00 lbs/yr.
	CY2008 Facility Total:	41.3420		0.0000	CY2008 Co-product: 0.00 lbs/yr.
	CY2009 Facility Total:	6.4395		0.0000	CY2009 Co-product: 0.00 lbs/yr.
	CY2010 Facility Total:	14.2333		0.0000	CY2010 Co-product: 0.00 lbs/yr.
	CY2011 Facility Total:	32.0815		0.0099	CY2011 Co-product: 19.87 lbs/yr.
	CY2012 Facility Total:	21.8322		0.0100	CY2012 Co-product: 10.40 lbs/yr.
	CY2013 Facility Total:	16.3548		0.0059	CY2013 Co-product: 11.90 lbs/yr.
	CY2014 Facility Total:	2.6214		0.0030	CY2014 Co-product: 5.72 lbs/yr.
	CY2015 Facility Total:	3.0071		0.0020	CY2015 Co-product: 3.96 lbs/yr.
	CY2016 Facility Total:	6.5749		0.0020	CY2016 Co-product: 3.24 lbs/yr.
	CY2017 Facility Total:	16.1134		0.0000	CY2017 Co-product: 0.18 lbs/yr.
Source: KG Mining (Bald Mountain), Inc - Hu	ntington Valley/Mooney Basin/So	outh Ops.: FIN 039	93; Class 2 /	AQOP AP1041	I-1362.02; Class 2 AQOP AP1041-3861; MOPTC AP1041-2246
System Description: Assay Laboratory (DM3.0	001 - DM3.018)				
Hg		2.3239		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Review.
	CY2006 Facility Total:	204.3025		2.9400	CY2006 Co-product: 5,880 lbs/yr.
	CY2007 Facility Total:	57.4138		2.2750	CY2007 Co-product: 4,550 lbs/yr.
	CY2008 Facility Total:	278.3220		2.6000	CY2008 Co-product: 5,200 lbs/yr.
	CY2009 Facility Total:	5.8995		1.5600	CY2009 Co-product: 3,120 lbs/yr.
	CY2010 Facility Total:	7.8188		1.4300	CY2010 Co-product: 2,860 lbs/yr.
	CY2011 Facility Total:	3.2198		1.6100	CY2011 Co-product: 3,220.00 lbs/yr.
	CY2012 Facility Total:	3.1464		0.0000	CY2012 Co-product: 0.00 lbs/yr.
	CY2013 Facility Total:	3.6439		0.0000	CY2013 Co-product: 0.00 lbs/yr.
	CY2014 Facility Total:	3.6439		0.0000	CY2014 Co-product: 0.00 lbs/yr.
	CY2015 Facility Total:	3.1239		0.0000	CY2015 Co-product: 0.00 lbs/yr.
	CY2016 Facility Total:	3.1239		0.0000	CY2016 Co-product: 0.00 lbs/yr.
	CY2017 Facility Total:	2.3239		0.0000	CY2017 Co-product: 0.00 lbs/yr.

Source: Bawhide Mining LLC - Denton-Rawhi	ide Mine (formerly k	Cennecott Rawhide Mining	Company) FIN	0406 <sup>,</sup> Clase 1	AQOP AP1041-2892; OPTC AP1041-2975; MOPTC AP1041-2245
System Description: Carbon Regeneration Kilr			g company). Th	0400, 01035 1	
Hg 283.50 tpy		os/hr 0.0548	7,461	0.0000	Carbon Kiln emissions factor derived from 2017 M29 stack test.
System Description: Electro-winning Circuit (I/			1 .,		
Hg Not Reported gals/yr		os/hr 0.1202	3,425	0.0000	Electro-winning Cells emissions factor derived from 2017 M29 stack test.
System Description: Refinery Induction Furnac			-/ -		
Hg 65.05 tpy		os/hr 0.1327	702	0.0000	Refinery Furnace emissions factor derived from 2017 M29 stack test.
System Description: Mercury Retort (S2.002)					
Hg 35.40 tpy	0.00000175 lk	os/hr 0.0091	5,210	0.0000	Retort emissions factor derived from 2017 M29 stack test.
System Description: Mercury Co-Product					
Hg		0.0000		0.0006	Facility-wide mercury co-product collected, no breakout by system provided.
System Description: Fire Assay Laboratory (D	M3.001 - DM3.008)				
Hg		0.0143		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
	CY2006 Facili	ty Total: 351.5928		0.0621	CY2006 Co-product: 124.20 lbs/yr.
	CY2007 Facilit			0.0276	CY2007 Co-product: 55.20 lbs/yr.
	CY2008 Facilit	ty Total: 13.0908		0.0262	CY2008 Co-product: 52.40 lbs/yr.
	CY2009 Facilit			0.0258	CY2009 Co-product: 51.60 lbs/yr.
	CY2010 Facilit			0.0079	CY2010 Co-product: 15.80 lbs/yr.
	CY2011 Facilit			0.0230	CY2011 Co-product: 46.00 lbs/yr.
	CY2012 Facilit			0.0249	CY2012 Co-product: 49.80 lbs/yr.
	CY2013 Facilit			0.1270	CY2013 Co-product: 254 lbs/yr.
	CY2014 Facilit			0.0193	CY2014 Co-product: 38.60 lbs/yr.
	CY2015 Facilit			0.0102	CY2015 Co-product: 20.40 lbs/yr.
	CY2016 Facilit			0.0005	CY2016 Co-product: 1.04 lbs/yr.
	CY2017 Facility			0.0006	CY2017 Co-product: 1.2 lbs/yr.
Source: Hycroft Besources & Development In			AOOP AP1041-0		AP1041-2974; OPTC AP1041-3269; OPTC AP1041-3344; MOPTC AP1041-2255
System Description: Mercury Retort #1 (TU4.0				001.02, 01 10	
Hg Not Reported tpy		os/hr 0.0732	732	0.0000	Retort emissions factor derived from average of 2016 M29 stack tests.
System Description: Smelting Furnace #1 (TU		0.070E	, 02	0.0000	
Hg Not Reported tpy		os/hr 0.1376	688	0.0000	Furnace emissions factor derived from average of 2016 M29 stack tests.
System Description: Mercury Retort #2 (TU4.0		0.1070	000	0.0000	
Hg Not Reported tpy		os/hr 0.0108	768	0.0000	Retort emissions factor derived from 2016 M29 stack test.
System Description: Mercury Retort #3 (TU4.0		0.0100	700	0.0000	
Hg 0.00 tpy		os/hr 0.0000	0	0.0000	System not yet constructed.
System Description: Mercury Retort #4 (TU4.0		0.0000	0	0.0000	
Hg 0.00 tpy		os/hr 0.0000	0	0.0000	System not yet constructed.
System Description: Mercury Retort #5 (TU4.0		0.0000	U U	0.0000	
Hq 0.00 tpv		os/hr 0.0000	0	0.0000	System not yet constructed.
System Description: Smelting Furnace #2 (TU		0.0000	0	0.0000	
		os/hr 0.0000	0	0.0000	System not yet constructed
Hg 0.00 tpy System Description: Smelting Furnace #3 (TU		os/hr 0.0000	0	0.0000	System not yet constructed.
		20/br 0.0000	0	0.0000	System not yet constructed
Hg 0.00 tpy System Description: Mercury Co-Product	0 lk	os/hr 0.0000	0	0.0000	System not yet constructed.
	I	0.0000		0.7500	Equility wide more up on product collected, as by allout his systems are side of
Hg System Description: Assay Laboratory (DM2.0		0.0000		0.7500	Facility-wide mercury co-product collected, no breakout by system provided.
System Description: Assay Laboratory (DM3.0	JUT - DIVI3.057)	4 4707		0.0000	Detential to emit (DTE), not extual, one De Minimir Device stice Tech. D
Hg	0)/0000 5- 10	4.4797		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
	CY2006 Facilit			0.0000	CY2006 Co-product: 0.00 lbs/yr.
	CY2007 Facilit			0.0000	CY2007 Co-product: 0.00 lbs/yr.
	CY2008 Facilit			0.0000	CY2008 Co-product: 0.00 lbs/yr.
	CY2009 Facilit			0.8000	CY2009 Co-product: 1,600 lbs/yr.
	CY2010 Facilit			4.2000	CY2010 Co-product: 8,400 lbs/yr.
	CY2011 Facilit			23.0700	CY2011 Co-product: 46,147 lbs/yr.
	CY2012 Facilit			34.0200	CY2012 Co-product: 68,047 lbs/yr.
	CY2013 Facilit			27.6700	CY2013 Co-product: 53,340 lbs/yr.
1	CY2014 Facilit			56.9100	CY2014 Co-product: 113,820 lbs/yr.
	CY2015 Facilit			35.7000	CY2015 Co-product: 71,400 lbs/yr.
	CY2015 Facilit CY2016 Facilit CY2017 Facility	ty Total: 6.6141		7.3750	CY2015 Co-product: 14,750 lbs/yr. CY2016 Co-product: 14,750 lbs/yr. CY2017 Co-product: 1,500 lbs/yr.

Source: Klondex Aurora Mine, Inc.: FIN 0408	Class 2 AQOP AP1041-38	58; OPTC AP1041-28	53; MOPTC	AP1041-2248	
System Description: Carbon Regeneration Kilr					003 & TU4.006)
Hg 138.50 tpy	0.00000555 lbs/hr	0.0130	2,343	0.0000	Carbon Kiln combined circuit emissions factor derived from 2017 M29 stack test.
System Description: Mercury Retorts, Solution				S2.007/TU4.00	
Hg 4.63 tpy	0.00000477 lbs/hr	0.0017	352	0.0000	Retorts combined circuit emissions factor derived from 2017 M29 stack test.
System Description: Dore Furnace, Solution T					
HG 0.05 tpy	0.000005 lbs/hr	0.0000	12	0.0000	Furnace combined circuit emissions factor derived from 2017 M29 stack test.
System Description: Mercury Co-Product	0.000000 100/11	0.0000		0.0000	
Hq		0.0000		0.0000	Facility-wide mercury co-product collected, no breakout by system provided.
System Description: Assay Laboratory (S2.00)	2 - S2 004 & S2 008/DM3 0			0.0000	
Hg		0.0076		0.0000	Potential to emit (PTE) of 0.0076 lbs/yr, not actual - see DM Technical Review.
19	CY2006 Facility Total:	0.0000		0.0000	CY2006 Co-product: 0.00 lbs/yr.
	CY2007 Facility Total:	0.0000		0.0000	CY2007 Co-product: 0.00 lbs/yr.
	CY2008 Facility Total:	0.2838		0.0000	CY2008 Co-product: 0.00 lbs/yr.
	CY2009 Facility Total:	0.2838		0.0000	CY2009 Co-product: 0.00 lbs/yr.
	CY2010 Facility Total:	0.0222		0.0000	CY2010 Co-product: 0.00 lbs/yr.
	CY2011 Facility Total:	0.0022		0.0000	CY2011 Co-product: 0.00 lbs/yr.
	CY2012 Facility Total:	3.7066		0.0000	CY2012 Co-product: 0.00 lbs/yr.
	CY2013 Facility Total:	0.0276		0.0000	CY2013 Co-product: 0.00 lbs/yr.
	CY2014 Facility Total:	0.0076		0.0000	CY2014 Co-product: 0.00 lbs/yr.
	CY2015 Facility Total:	0.0000		0.0000	CY2015 Co-product: 0.00 lbs/yr.
	CY2016 Facility Total:	0.0076		0.0000	CY2016 Co-product: 0.00 lbs/yr.
	CY2017 Facility Total:	0.0223		0.0000	CY2017 Co-product: 0.00 lbs/yr.
Source: Coeur D'Alene Mining Corporation - C			AP1044 000		
System Description: Refinery Furnace (S2.003		0412, 01855 2 AQUE 1	HF 1044-000	3.04, INOF 107	AF 1044-2242
Hg 237.00 tpy	0.000468 lbs/hr	0.4661	996	0.0000	Refinery Furnace emissions factor derived from Ferbuary 2018 M29 stack test.
System Description: Mercury Retorts (S2.004			330	0.0000	
Hq 421.00 tpy	0.00000536 lbs/hr	0.0352	6,576	0.0000	Retort emissions factor derived from February 2018 M29 stack test.
System Description: Mercury Co-Product	0.00000330 105/11	0.0352	0,570	0.0000	recort emissions factor derived from rebruary 2010 M29 stack test.
Hq		0.0000		9.7000	Facility-wide mercury co-product collected, no breakout by system provided.
System Description: Assay Laboratory (S2.01)	6 S2 010/DM2 001 DM2			9.7000	I achity-wide mercury co-product conected, no breakout by system provided.
Hg	5 - 32.019/DIVI3.001 - DIVI3.	1.8805		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
lig	CY2006 Facility Total:	2.8872		16.1000	CY2006 Co-product: 32,200 lbs/yr.
	CY2007 Facility Total: CY2007 Facility Total:	137.0958		15.4000	CY2007 Co-product: 30,800 lbs/yr.
	CY2008 Facility Total:	9.9144		15.6000	CY2008 Co-product: 31,200 lbs/yr.
	CY2009 Facility Total:	4.4097		10.7000	CY2009 Co-product: 21,400 lbs/yr.
	CY2010 Facility Total:	2.6426		12.3000	CY2010 Co-product: 21,400 lbs/yr.
	CY2010 Facility Total: CY2011 Facility Total:	3.3523		11.2000	CY2010 Co-product: 22,400 lbs/yr.
	CY2012 Facility Total:	3.2552		20.4000	CY2012 Co-product: 40,800 lbs/yr.
	CY2012 Facility Total: CY2013 Facility Total:	2.6378		14.5000	CY2013 Co-product: 29,000 lbs/yr.
	CY2013 Facility Total: CY2014 Facility Total:	2.1938		13.2000	CY2014 Co-product: 26,400 lbs/yr.
	CY2014 Facility Total: CY2015 Facility Total:	4.2967		10.4000	CY2015 Co-product: 20,800 lbs/yr.
	CY2016 Facility Total:	3.2330		7.9000	CY2016 Co-product: 15,800 lbs/yr.
	CY2017 Facility Total:	2.3819		9.7000	CY2017 Co-product: 19,400 lbs/yr.
Source: Newmont Mining Corporation - Lone					
System Description: Sample Room, Fire Assa					9/DM3 001 - DM3 034)
Hg	y hoom, wei Laboratory, Li	1.8788	Laboratory (3	0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
	CV2006 Excility Total	622.1013		0.0000	
	CY2006 Facility Total: CY2007 Facility Total:	148.0964			CY2006 Co-product: 0.00 lbs/yr. CY2007 Co-product: 0.00 lbs/yr.
				0.0000	
	CY2008 Facility Total: CY2009 Facility Total:	67.1251 7.2136		0.0000	CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr.
	CY2010 Facility Total: CY2011 Facility Total:	3.0212 1.8788		0.0000	CY2010 Co-product: 0.00 lbs/yr.
				0.0000	CY2011 Co-product: 0.00 lbs/yr.
	CY2012 Facility Total:	1.8788		0.0000	CY2012 Co-product: 0.00 lbs/yr.
	CY2013 Facility Total:	1.8788		0.0000	CY2013 Co-product: 0.00 lbs/yr.
	CY2014 Facility Total:	1.8788		0.0000	CY2014 Co-product: 0.00 lbs/yr.
	CY2015 Facility Total:	1.8788		0.0000	CY2015 Co-product: 0.00 lbs/yr.
	CY2016 Facility Total:	1.8788		0.0000	CY2016 Co-product: 0.00 lbs/yr.
	CY2017 Facility Total:	1.8788		0.0000	CY2017 Co-product: 0.00 lbs/yr.

Source: Bar	rick Cortez Inc	Cortez Hills and	Pipeline Proje	cts: EIN 0001	; Class 1 AQOP AP10	)41-2141 · M	OPTC AP104	1-2220
	cription: Refinery				,	,		·
Hg	39.60	tpy	0.0000107	lbs/hr	0.0026	242	0.0000	Furn. #1 ducted in-line with Retorts, EF derived from 2017 M29 stack test.
System Desc	cription: Refinery	Induction Furnad	ce #2 (S2.003/	TU4.004)				
Hg	7.30	tpy	0.0000128	lbs/hr	0.0014	113	0.0000	Furn. #2 ducted in-line with Retorts, EF derived from 2017 M29 stack test.
System Desc	cription: Electric (	Carbon Reactivat	ion Kiln #1 (S2	2.007/TU4.00	5)			
Hg	356.70	tpy	0.000289	lbs/hr	0.2107	729	0.0000	Carbon Kiln #1 emissions factor derived from 2017 M29 stack test.
System Desc	cription: Electric (	Carbon Reactivat	ion Kiln #2 (S2	2.008/TU4.006	6)			
Hg	492.80	tpy	0.0000514	lbs/hr	0.0513	999	0.0000	Carbon Kiln #2 emissions factor derived from 2017 M29 stack test.
System Desc		ctro-winning Circ	uit including P	regnant and E			), S2.062 & S	2.063/TU4.001, TU4.008 & TU4.009)
Hg	18,089,651.38	gals/yr	0.000233	lbs/hr	1.4837	6,368	0.0000	East EW Circuit emissions factor derived from avg. of 2017 M29 stack tests.
System Desc		0		Pregnant and I				S2.063/TU4.002, TU4.008 & TU4.009)
Hg	18,949,089.12	gals/yr	0.0000186	lbs/hr	0.1184	6,368	0.0000	West EW Circuit emissions factor derived from 2017 M29 stack test.
System Desc	cription: Mercury	Retort A (S2.004						
Hg	26.00	tpy	0.0000209	lbs/hr	0.0410	1,960	0.0000	Retort A emissions factor derived from 2017 M29 stack test.
System Desc	cription: Mercury	Retort B (S2.005						
Hg	21.40	tpy	0.00000915	lbs/hr	0.0154	1,680	0.0000	Retort B emissions factor derived from 2017 M29 stack test.
System Desc	cription: Mercury	Retort C (S2.006	5/TU4.012)					
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Retort C did not operate in 2017, not yet constructed.
System Desc	cription: Mercury	Co-Product						
Hg					0.0000		0.0000	Facility-wide mercury co-product collected, no breakout by system provided.
System Desc	cription: Assay La	boratory, Met La	boratory, Strip	o Circuit Area		ry Gold Slude	ge Drying Ove	n, Fire Assay Fusion Furnaces (S2.018a-g/DM3.001 - DM3.020)
Hg					1.8841		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				Facility Total:	166.7059		0.1200	CY2006 Co-product: 240 lbs/yr.
				Facility Total:	208.0466		0.3200	CY2007 Co-product: 640 lbs/yr.
			CY2008	Facility Total:	75.8638		0.0000	CY2008 Co-product: 0.00 lbs/yr.
			CY2009	Facility Total:	1.3905		0.0170	CY2009 Co-product: 34 lbs/yr.
			CY2010	Facility Total:	5.1862		0.0000	CY2010 Co-product: 0.00 lbs/yr.
			CY2011	Facility Total:	5.1815		0.7200	CY2011 Co-product: 1,441 lbs/yr.
			CY2012	Facility Total:	4.2156		1.2100	CY2012 Co-product: 2,412 lbs/yr.
			CY2013	Facility Total:	15.7637		2.2740	CY2013 Co-product: 4,458 lbs/yr.
			CY2014	Facility Total:	2.2159		0.4900	CY2014 Co-product: 980 lbs/yr.
			CY2015	Facility Total:	4.6010		1.1700	CY2015 Co-product: 2,340 lbs/yr.
			CY2016	Facility Total:	6.0125		0.2600	CY2016 Co-product: 524 lbs/yr.
			CY2017 Fa	acility Total:	3.8086		0.0000	CY2017 Co-product: 0.00 lbs/yr.

System Des	orida (Canvon Munir	na Inc Florida (	Canvon Mine	FIN 0386 CK	ass 2 AQOP AP1041-0	0106 03· MC	PTC AP1041-C	2256
	scription: Summit				103 2 AQUE AF 1041-0	0100.03, MC	70 AF 1041-2	
Hq	Not Reported		3.99E-07	lbs/hr	0.0004	1,005	0.0000	Retort A emissions factor derived from 2017 M29 stack tests.
	scription: Custom				0.0004	1,005	0.0000	
Hq	Not Reported	tpy	8.05E-08	lbs/hr	0.0000	39	0.0000	Retort B emissions factor derived from 2017 M29 stack tests.
	scription: Electro-v				0.0000	- 39	0.0000	Retort D emissions lactor derived from 2017 M29 Stack tests.
Hg	Not Reported		0.0000456	lbs/hr	0.3899	8,551	0.0000	Electro winning Coll A emissions factor derived from 2017 M20 stack tests
	scription: Electro-v	tpy			0.3699	0,001	0.0000	Electro-winning Cell A emissions factor derived from 2017 M29 stack tests.
			0.00000909		0.0777	0.551	0.0000	Electro winning Coll D emissions factor devived from 0017 M00 stack tests
Hg Cuatam Day	Not Reported scription: Carbon			lbs/hr	0.0777	8,551	0.0000	Electro-winning Cell B emissions factor derived from 2017 M29 stack tests.
	Not Reported				0.0000	750	0.0000	Carbon Kiln emissions factor derived from 10/05/2017 M29 stack test.
Hg Output Day	scription: Dore Fu		0.001241	lbs/hr	0.9303	750	0.0000	Carbon Kiin emissions factor derived from 10/05/2017 M29 stack test.
	scription: Dore Ful			lla a /la u	0.0504	000	0.0000	Dava Eventse emissions faster derived from 0047 M00 stack tasks
Hg Ourteur Day	L. Durantiana	tpy	0.000223	lbs/hr	0.0584	262	0.0000	Dore Furnace emissions factor derived from 2017 M29 stack tests.
	scription: Pregnan		JIVI3.016)	lla a /la u	0.0000		0.0000	Descent Table results De Minimis Designation 40/47/00
Hg		hrs/yr		lbs/hr	0.0000		0.0000	Pregnant Tank moved to De Minimis Designation 12/17/09.
	scription: Barren T		13.017)		0.0000	1	0.0000	
Hg		hrs/yr		lbs/hr	0.0000		0.0000	Barren Tank moved to De Minimis Designation 12/17/09.
	scription: Mercury	Co-Product	1			1		
Hg		I			0.0000		0.1800	Facility-wide mercury co-product collected, no breakout by system provided.
	scription: Assay La	aboratory, Electro	-winning Cells	A & B, Pregn	nant & Barren Tanks a	ind Dore Fur		
Hg					2.2457		0.0000	Calculated PTE = 2.9861 lbs/yr. EW Cells and Dore Furnace reported separately.
				acility Total:	440.7382		0.2264	CY2006 Co-product: 452.80 lbs/yr.
				acility Total:	19.0000		0.0072	CY2007 Co-product: 14.40 lbs/yr.
				acility Total:	162.3117		0.2875	CY2008 Co-product: 575 lbs/yr.
				acility Total:	49.6118		0.8120	CY2009 Co-product: 1,624 lbs/yr.
			CY2010 F	acility Total:	111.8133		0.3090	CY2010 Co-product: 618 lbs/yr.
				acility Total:	51.7290		1.2700	CY2011 Co-product: 2,538 lbs/yr. (1,829.00 "liquid"; 709.00 sludge)
			CY2012 F	acility Total:	8.2449		0.6300	CY2012 Co-product: 1,252 lbs/yr. (892.00 "liquid"; 360.00 sludge)
			CY2013 F	acility Total:	4.2320		1.2150	CY2013 Co-product: 1,450 lbs/yr. (sludge)
			CY2014 F	acility Total:	4.1346		0.1250	CY2014 Co-product: 250 lbs/yr. (sludge)
				acility Total:	33.4578		0.8960	CY2015 Co-product: 1,792 lbs/yr. (sludge)
				acility Total:	55.9107		0.1200	CY2016 Co-product: 244 lbs/yr. (sludge)
				cility Total:	3.7025		0.1800	CY2017 Co-product: 352 lbs/yr.
Source: Ro	ound Mountain Gol	d Corporation - S				394: Class 2	AQOP AP1041	1-0444.02; OPTC AP1041-2806: MOPTC AP1041-2250
					n Kiln (S2.121/TU4.001			
Hg	3,057.00	tpy	0.00000904	lbs/hr	0.0757	8,372	0.0000	Carbon Kiln emissions factor derived from 2017 M29 stack test.
					urnace (S2.130/TU4.00		0.0000	
Hq	29.54	tpy	0.00318	lbs/hr	1.3436	423	0.0000	Furnace emissions factor derived from 2017 M29 stack test.
	scription: Gold Hill				1.3430	423	0.0000	
Hq	925.00	tpy	0.00000726	lbs/hr	0.0272	3,746	0.0000	
						3,740	0.0000	Carbon Kilp amiggiona factor derived from average of 2017 M20 stack tests
			GITCUIL - Electr		vouit 0 Droganot/Dorre	un Chuim Calud	ianTanka (CO 1	Carbon Kiln emissions factor derived from average of 2017 M29 stack tests.
Hg Svotom Dog	29,782,950.00							58 - S2.160/TU4.007 - TU4.009)
System Des			0.0000146	lbs/hr	rcuit & Pregnant/Barre 0.1260	en Strip Solut 8,633	tionTanks (S2.1 0.0000	
		Mercury Retort (	0.0000146 S2.161/TU4.01	lbs/hr 10)	0.1260	8,633	0.0000	58 - S2.160/TU4.007 - TU4.009) Carbon Strip Circ. emissions factor derived from avg. of 2017 M29 stack tests.
Hg	16.90	Mercury Retort ( tpy	0.0000146 S2.161/TU4.01 7.73E-07	lbs/hr 10) lbs/hr				58 - S2.160/TU4.007 - TU4.009)
Hg System Des	16.90 scription: Gold Hill	Mercury Retort ( tpy Smelting Furnac	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4	lbs/hr 10) lbs/hr .011)	0.1260	8,633 2,399	0.0000	58 - S2.160/TU4.007 - TU4.009) Carbon Strip Circ. emissions factor derived from avg. of 2017 M29 stack tests. Retort emissions factor derived from average of 2017 M29 stack tests.
Hg System Des Hg	16.90 scription: Gold Hill 14.21	Mercury Retort ( tpy Smelting Furnac tpy	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124	lbs/hr 10) lbs/hr .011) lbs/hr	0.1260	8,633 2,399 324	0.0000	58 - S2.160/TU4.007 - TU4.009) Carbon Strip Circ. emissions factor derived from avg. of 2017 M29 stack tests. Retort emissions factor derived from average of 2017 M29 stack tests.
Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky \	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 n Stripping Cir	lbs/hr 10) lbs/hr .011) lbs/hr cuit - Electro	0.1260 0.0019 0.0040 o-winning Circuit, Preg	8,633 2,399 324 nant (1) & Ba	0.0000 0.0000 0.0000 arren (2) Strip S	58 - S2.160/TU4.007 - TU4.009) Carbon Strip Circ. emissions factor derived from avg. of 2017 M29 stack tests. Retort emissions factor derived from average of 2017 M29 stack tests. Furnace emissions factor derived from average of 2017 M29 stack tests. SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012)
Hg System Des Hg System Des Hg	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124	lbs/hr 10) lbs/hr .011) lbs/hr	0.1260	8,633 2,399 324	0.0000	58 - S2.160/TU4.007 - TU4.009) Carbon Strip Circ. emissions factor derived from avg. of 2017 M29 stack tests. Retort emissions factor derived from average of 2017 M29 stack tests.
Hg System Des Hg System Des System Des	16.90 scription: Gold Hill 14.21 scription: Smoky \	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 n Stripping Cir	lbs/hr 10) lbs/hr .011) lbs/hr cuit - Electro	0.1260 0.0019 0.0040 0-winning Circuit, Preg 2.5270	8,633 2,399 324 nant (1) & Ba	0.0000 0.0000 0.0000 arren (2) Strip S 0.0000	58 - S2.160/TU4.007 - TU4.009) Carbon Strip Circ. emissions factor derived from avg. of 2017 M29 stack tests. Retort emissions factor derived from average of 2017 M29 stack tests. Furnace emissions factor derived from average of 2017 M29 stack tests. SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012) Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests.
Hg System Des Hg System Des Hg System Des Hg	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 n Stripping Cir 0.000289	Ibs/hr 10) Ibs/hr .011) Ibs/hr cuit - Electro Ibs/hr	0.1260 0.0019 0.0040 o-winning Circuit, Preg 2.5270 0.0000	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip S 0.0000 0.3900	58 - S2.160/TU4.007 - TU4.009) Carbon Strip Circ. emissions factor derived from avg. of 2017 M29 stack tests. Retort emissions factor derived from average of 2017 M29 stack tests. Furnace emissions factor derived from average of 2017 M29 stack tests. SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012)
Hg System Des Hg System Des Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 n Stripping Cir 0.000289	Ibs/hr 10) Ibs/hr .011) Ibs/hr cuit - Electro Ibs/hr	0.1260 0.0019 0.0040 0-winning Circuit, Preg 2.5270 0.0000 Laboratory Ovens (S2.	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip S 0.0000 0.3900 11 - DM3.042)	58 - S2.160/TU4.007 - TU4.009) Carbon Strip Circ. emissions factor derived from avg. of 2017 M29 stack tests. Retort emissions factor derived from average of 2017 M29 stack tests. Furnace emissions factor derived from average of 2017 M29 stack tests. SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012) Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests. Facility-wide mercury co-product collected, no breakout by system provided.
Hg System Des Hg System Des Hg System Des Hg	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 n Stripping Cir 0.000289	lbs/hr 10) .011) lbs/hr cuit - Electro lbs/hr vens, Assay L	0.1260 0.0019 0.0040 0-winning Circuit, Preg 2.5270 0.0000 Laboratory Ovens (S2. 1.7440	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip \$ 0.0000 0.3900 11 - DM3.042) 0.0000	58 - S2.160/TU4.007 - TU4.009)         Carbon Strip Circ. emissions factor derived from avg. of 2017 M29 stack tests.         Retort emissions factor derived from average of 2017 M29 stack tests.         Furnace emissions factor derived from average of 2017 M29 stack tests.         SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012)         Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests.         Facility-wide mercury co-product collected, no breakout by system provided.         Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
Hg System Des Hg System Des Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 n Stripping Cir 0.000289 ning Vent & Ov CY2006 F	lbs/hr 10) lbs/hr .011) lbs/hr cuit - Electro lbs/hr vens, Assay L -acility Total:	0.1260 0.0019 0.0040 0-winning Circuit, Preg 2.5270 0.0000 Laboratory Ovens (S2. 1.7440 No	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip S 0.0000 0.3900 11 - DM3.042) 0.0000 0.0085	58 - S2.160/TU4.007 - TU4.009) Carbon Strip Circ. emissions factor derived from avg. of 2017 M29 stack tests. Retort emissions factor derived from average of 2017 M29 stack tests. Furnace emissions factor derived from average of 2017 M29 stack tests. SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012) Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests. 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: 17 lbs/yr.
Hg System Des Hg System Des Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 In Stripping Cir 0.000289 Ining Vent & Ov CY2006 F CY2007 F	lbs/hr 10) lbs/hr lbs/hr cuit - Electro lbs/hr vens, Assay L cuity Total: cacility Total:	0.1260 0.0019 0.0040 0-winning Circuit, Preg 2.5270 0.0000 Laboratory Ovens (S2. 1.7440	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip \$ 0.0000 0.3900 11 - DM3.042) 0.0000	58 - S2.160/TU4.007 - TU4.009)         Carbon Strip Circ. emissions factor derived from average of 2017 M29 stack tests.         Retort emissions factor derived from average of 2017 M29 stack tests.         Furnace emissions factor derived from average of 2017 M29 stack tests.         SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012)         Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests.         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: 17 lbs/yr.         CY2007 Co-product: 0.00 lbs/yr.
Hg System Des Hg System Des Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 In Stripping Cir 0.000289 Ining Vent & Ov CY2006 F CY2007 F	lbs/hr 10) lbs/hr .011) lbs/hr cuit - Electro lbs/hr vens, Assay L -acility Total:	0.1260 0.0019 0.0040 0-winning Circuit, Preg 2.5270 0.0000 Laboratory Ovens (S2. 1.7440 No	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip S 0.0000 0.3900 11 - DM3.042) 0.0000 0.0085	58 - S2.160/TU4.007 - TU4.009) Carbon Strip Circ. emissions factor derived from avg. of 2017 M29 stack tests. Retort emissions factor derived from average of 2017 M29 stack tests. Furnace emissions factor derived from average of 2017 M29 stack tests. SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012) Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests. 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: 17 lbs/yr.
Hg System Des Hg System Des Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 In Stripping Cir 0.000289 Ining Vent & OV CY2006 F CY2007 F CY2008 F	lbs/hr 10) lbs/hr lbs/hr cuit - Electro lbs/hr vens, Assay L cuity Total: cacility Total:	0.1260 0.0019 0.0040 0-winning Circuit, Preg 2.5270 0.0000 aboratory Ovens (S2. 1.7440 No 59.6652	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip S 0.0000 0.3900 1 - DM3.042) 0.0000 0.0085 0.0000	58 - S2.160/TU4.007 - TU4.009)         Carbon Strip Circ. emissions factor derived from average of 2017 M29 stack tests.         Retort emissions factor derived from average of 2017 M29 stack tests.         Furnace emissions factor derived from average of 2017 M29 stack tests.         SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012)         Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests.         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: 17 lbs/yr.         CY2007 Co-product: 0.00 lbs/yr.
Hg System Des Hg System Des Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 in Stripping Cir 0.000289 ining Vent & Ov CY2006 F CY2007 F CY2008 F CY2009 F	lbs/hr 10) lbs/hr lbs/hr cuit - Electro lbs/hr wens, Assay L cuility Total: cacility Total: cacility Total:	0.1260 0.0019 0.0040 0-winning Circuit, Preg 2.5270 0.0000 .aboratory Ovens (S2. 1.7440 No 59.6652 8.3173	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip S 0.0000 0.3900 11 - DM3.042) 0.0000 0.0085 0.0000 0.0000	58 - S2.160/TU4.007 - TU4.009)         Carbon Strip Circ. emissions factor derived from avg. of 2017 M29 stack tests.         Retort emissions factor derived from average of 2017 M29 stack tests.         Furnace emissions factor derived from average of 2017 M29 stack tests.         SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012)         Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests.         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: 17 lbs/yr.         CY2008 Co-product: 0.00 lbs/yr.
Hg System Des Hg System Des Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 In Stripping Cirr 0.000289 Ining Vent & Ov CY2006 F CY2007 F CY2007 F CY2009 F CY2010 F	lbs/hr 10) lbs/hr lbs/hr cuit - Electro lbs/hr cuit - Electro lbs/hr cuit - State acility Total: acility Total: acility Total:	0.1260 0.0019 0.0040 -winning Circuit, Preg 2.5270 0.0000 .aboratory Ovens (S2. 1.7440 No 59.6652 8.3173 4.5878 4.4525	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip S 0.0000 0.3900 01 - DM3.042) 0.0000 0.0085 0.0000 0.0000 0.0000 0.0000	58 - S2.160/TU4.007 - TU4.009)         Carbon Strip Circ. emissions factor derived from avg. of 2017 M29 stack tests.         Retort emissions factor derived from average of 2017 M29 stack tests.         Furnace emissions factor derived from average of 2017 M29 stack tests.         SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012)         Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests.         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: 17 lbs/yr.         CY2008 Co-product: 0.00 lbs/yr.         CY2009 Co-product: 0.00 lbs/yr.         CY2009 Co-product: 0.00 lbs/yr.         CY2010 Co-product: 0.00 lbs/yr.
Hg System Des Hg System Des Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 n Stripping Cirr 0.000289 ning Vent & Ov CY2006 F CY2007 F CY2007 F CY2007 F CY2007 F CY2007 F CY2007 F	lbs/hr 10) lbs/hr .011) lbs/hr cuit - Electro lbs/hr vens, Assay L cuity Total: cacility Total: ca	0.1260 0.0019 0.0040 -winning Circuit, Preg 2.5270 0.0000 .aboratory Ovens (S2. 1.7440 No 59.6652 8.3173 4.5878 4.4525 6.6374	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip S 0.0000 0.3900 11 - DM3.042) 0.0000 0.0085 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	58 - S2.160/TU4.007 - TU4.009)         Carbon Strip Circ. emissions factor derived from average of 2017 M29 stack tests.         Retort emissions factor derived from average of 2017 M29 stack tests.         Furnace emissions factor derived from average of 2017 M29 stack tests.         SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012)         Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests.         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: 0.00 lbs/yr.         CY2008 Co-product: 0.00 lbs/yr.         CY2009 Co-product: 0.00 lbs/yr.         CY2010 Co-product: 0.00 lbs/yr.         CY2011 Co-product: 0.00 lbs/yr.
Hg System Des Hg System Des Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 In Stripping Cir 0.000289 Ining Vent & Ov CY2006 F CY2007 F CY2007 F CY2007 F CY2009 F CY2009 F CY2010 F CY2010 F CY2011 F	lbs/hr 10) lbs/hr cuit > Electro lbs/hr cuit - Electro lbs/hr vens, Assay L acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total:	0.1260 0.0019 0.0040 0-winning Circuit, Preg 2.5270 0.0000 Laboratory Ovens (S2. 1.7440 No 59.6652 8.3173 4.5878 4.4525 6.6374 4.1960	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip S 0.0000 0.3900 11 - DM3.042) 0.0000 0.0085 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	58 - S2.160/TU4.007 - TU4.009)         Carbon Strip Circ. emissions factor derived from average of 2017 M29 stack tests.         Retort emissions factor derived from average of 2017 M29 stack tests.         Furnace emissions factor derived from average of 2017 M29 stack tests.         SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012)         Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests.         Facility-wide mercury co-product collected, no breakout by system provided.         Facility-wide mercury co-product collected, no breakout by system provided.         CY2006 Co-product: 17 lbs/yr.         CY2007 Co-product: 0.00 lbs/yr.         CY2008 Co-product: 0.00 lbs/yr.         CY2010 Co-product: 0.00 lbs/yr.         CY2010 Co-product: 0.00 lbs/yr.         CY2010 Co-product: 0.00 lbs/yr.         CY2010 Co-product: 0.00 lbs/yr.         CY2012 Co-product: 0.00 lbs/yr.         CY2012 Co-product: 0.00 lbs/yr.
Hg System Des Hg System Des Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 In Stripping Cir 0.000289 Ining Vent & Ov CY2006 F CY2007 F CY2007 F CY2007 F CY2010 F CY2010 F CY2011 F CY2013 F	lbs/hr 10) lbs/hr cuit - Electro lbs/hr cuit - Electro lbs/hr vens, Assay L acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total:	0.1260 0.0019 0.0040 0-winning Circuit, Preg 2.5270 0.0000 aboratory Ovens (S2. 1.7440 No 59.6652 8.3173 4.5878 4.4525 6.6374 4.1960 4.7056	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip S 0.0000 0.3900 1 - DM3.042) 0.0000 0.0085 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.3150	58 - S2.160/TU4.007 - TU4.009) Carbon Strip Circ. emissions factor derived from average of 2017 M29 stack tests. Retort emissions factor derived from average of 2017 M29 stack tests. Furnace emissions factor derived from average of 2017 M29 stack tests. SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012) Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests. Facility-wide mercury co-product collected, no breakout by system provided. 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: 17 lbs/yr. CY2007 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. CY2013 Co-product: 629.90 lbs/yr.
Hg System Des Hg System Des Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 In Stripping Cir 0.000289 Ining Vent & OV CY2006 F CY2007 F CY2007 F CY2010 F CY2010 F CY2010 F CY2011 F CY2012 F CY2013 F CY2014 F	lbs/hr lbs/hr lbs/hr cuit - Electro lbs/hr cuit - Electro lbs/hr vens, Assay L acility Total: acility	0.1260 0.0019 0.0040 0-winning Circuit, Preg 2.5270 0.0000 aboratory Ovens (S2. 1.7440 No 59.6652 8.3173 4.5878 4.4525 6.6374 4.1960 4.1960 4.7056 9.0652	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip S 0.0000 0.3900 1 - DM3.042) 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.3150 0.3450	58 - S2.160/TU4.007 - TU4.009)         Carbon Strip Circ. emissions factor derived from average of 2017 M29 stack tests.         Retort emissions factor derived from average of 2017 M29 stack tests.         Furnace emissions factor derived from average of 2017 M29 stack tests.         SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012)         Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests.         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: 17 lbs/yr.         CY2008 Co-product: 0.00 lbs/yr.         CY2010 Co-product: 0.00 lbs/yr.         CY2011 Co-product: 0.00 lbs/yr.         CY2012 Co-product: 0.00 lbs/yr.         CY2013 Co-product: 0.00 lbs/yr.         CY2013 Co-product: 629.90 lbs/yr.         CY2014 Co-product: 690 lbs/yr.
Hg System Des Hg System Des Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 n Stripping Cir 0.000289 ining Vent & OV CY2006 F CY2007 F CY2007 F CY2010 F CY2011 F CY2011 F CY2011 F CY2012 F CY2015 F	lbs/hr 10) lbs/hr cuit - Electro lbs/hr cuit - Electro lbs/hr wens, Assay L acility Total: acility To	0.1260 0.0019 0.0040 0-winning Circuit, Preg 2.5270 0.0000 aboratory Ovens (S2 1.7440 No 59.6652 8.3173 4.5878 4.4525 6.6374 4.1960 4.7056 9.0652 5.4557	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip S 0.0000 1 - DM3.042) 0.0000 0.0085 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.3150 0.3450 0.2940	58 - S2.160/TU4.007 - TU4.009)         Carbon Strip Circ. emissions factor derived from average of 2017 M29 stack tests.         Retort emissions factor derived from average of 2017 M29 stack tests.         Furnace emissions factor derived from average of 2017 M29 stack tests.         SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012)         Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests.         SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012)         Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests.         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: 0.00 lbs/yr.         CY2008 Co-product: 0.00 lbs/yr.         CY2009 Co-product: 0.00 lbs/yr.         CY2010 Co-product: 0.00 lbs/yr.         CY2011 Co-product: 0.00 lbs/yr.         CY2012 Co-product: 0.00 lbs/yr.         CY2013 Co-product: 629.90 lbs/yr.         CY2014 Co-product: 690 lbs/yr.         CY2015 Co-product: 690 lbs/yr.         CY2015 Co-product: 588 lbs/yr.
Hg System Des Hg System Des Hg System Des Hg System Des	16.90 scription: Gold Hill 14.21 scription: Smoky V 22,547,340.00 scription: Mercury	Mercury Retort ( tpy Smelting Furnac tpy /alley ADR Carbo gals/yr Co-Product	0.0000146 S2.161/TU4.01 7.73E-07 e (S2.162/TU4 0.0000124 in Stripping Cir 0.000289 	lbs/hr lbs/hr lbs/hr cuit - Electro lbs/hr cuit - Electro lbs/hr vens, Assay L acility Total: acility	0.1260 0.0019 0.0040 0-winning Circuit, Preg 2.5270 0.0000 aboratory Ovens (S2. 1.7440 No 59.6652 8.3173 4.5878 4.4525 6.6374 4.1960 4.1960 4.7056 9.0652	8,633 2,399 324 nant (1) & B 8,744	0.0000 0.0000 arren (2) Strip S 0.0000 0.3900 1 - DM3.042) 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.3150 0.3450	58 - S2.160/TU4.007 - TU4.009)         Carbon Strip Circ. emissions factor derived from average of 2017 M29 stack tests.         Retort emissions factor derived from average of 2017 M29 stack tests.         Furnace emissions factor derived from average of 2017 M29 stack tests.         SolutionTanks (S2.142 & S2.143/TU4.002 - TU4.004 & TU4.012)         Carbon Strip Circuit emissions factor derived from avg. of 2017 M29 stack tests.         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: 17 lbs/yr.         CY2008 Co-product: 0.00 lbs/yr.         CY2010 Co-product: 0.00 lbs/yr.         CY2011 Co-product: 0.00 lbs/yr.         CY2012 Co-product: 0.00 lbs/yr.         CY2013 Co-product: 0.00 lbs/yr.         CY2013 Co-product: 629.90 lbs/yr.         CY2014 Co-product: 690 lbs/yr.

Source: Ru	uby Hill Mining Cor	npany, LLC - Rub	y Hill Mine (for	rmerly Homes	take Mining Company	of California	a): FIN 0399;	Class 2 AQOP AP1041-0713.01; MOPTC AP1041-2252
	scription: Assay L				<u> </u>		.,,	
Hq			Í		1.3818		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
			CY2006	acility Total:	28.7825		0.5000	CY2006 Co-product: 1,000 lbs/yr.
				acility Total:	35.2201		0.3800	CY2007 Co-product: 760 lbs/yr.
				acility Total:	1.3883		0.2400	CY2008 Co-product: 480 lbs/yr.
				acility Total:	7.2874		0.1762	CY2009 Co-product: 352.40 lbs/yr.
			CY2010	acility Total:	34.4158		0.0000	CY2010 Co-product: 0.00 lbs/yr.
				acility Total:	11.1401		0.0495	CY2011 Co-product: 99 lbs/yr.
				acility Total:	1.3818		0.0000	CY2012 Co-product: 0.00 lbs/yr.
			CY2013	acility Total:	1.3818		0.0000	CY2013 Co-product: 0.00 lbs/yr.
				acility Total:	1.3818		0.0000	CY2014 Co-product: 0.00 lbs/yr.
				acility Total:	1.3818		0.0000	CY2015 Co-product: 0.00 lbs/yr.
				acility Total:	1.3818	1	0.0000	CY2016 Co-product: 0.00 lbs/yr.
				acility Total:	1.3818		0.0000	CY2017 Co-product: 0.00 lbs/yr.
Source: Ma	arigold Mining Cor	npany - Marigold			QOP AP1041-3666; M	OPTC AP10		
	scription: Carbon				20			
Hg	755.90	tpy	0.0000485	lbs/hr	0.1853	3,821	0.0000	Carbon Kiln emissions factor derived from 2017 M29 stack test.
	scription: Mercury			100/111	0.1000	0,021	0.0000	
Hq	11.66	tpy	0.00549	lbs/hr	10.8279	1,972	0.0000	Retort emissions factor derived from average of 2017 M29 stack tests.
	scription: Tilting C				1010270	1,012	0.0000	
Ha	8.11	tpy	0.034119	lbs/hr	11.3787	334	0.0000	Furnace emissions factor derived from average of 2017 M29 stack tests.
	scription: Electro-							
Hq	144,552.00	gal/yr	0.00252	lbs/hr				Electro-winning Circuit emissions factor derived from 2017 M29 stack
	scription: Pregnar							test of all passive units (fluids systems). The Pregnant and Barren Strip Solution
Hq	See Above	tpy	See Above	lbs/hr				Tanks are vented to a common stack with the Electro-winning Circuit, Mercury
	scription: Barren S							Retort and Crucible Furnace. Normally the Retort result is used as a surrogate,
Ha	See Above	tpv	See Above	lbs/hr	21.2890	8,448	0.0000	but for 2017 the passive units were tested seperately and have their own result.
3	scription: Mercury	1.7	0007.0010	100/111	2112000	0,110	0.0000	
Hq					0.0000		0.0000	Elemental mercury collected disposed of as hazardous waste, not co-product.
	scription: Assay L	aboratory (DM3.0	01 - DM3.021					
Hg					2.1072		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
	1	1	CY2006	acility Total:	908.0610	1	0.1675	CY2006 Co-product: 335 lbs/yr.
				acility Total:	5.2255	1	0.2450	CY2007 Co-product: 490 lbs/yr.
				acility Total:	10.4883	1	0.5690	CY2008 Co-product: 1,138 lbs/yr.
				acility Total:	4.4540	1	0.8160	CY2009 Co-product: 1,632 lbs/yr.
				acility Total:	9.3695	1	1.0330	CY2010 Co-product: 2,066 lbs/yr.
				acility Total:	11.1707	1	1.0500	CY2011 Co-product: 2,100 lbs/yr.
				acility Total:	2.1159	1	1.4600	CY2012 Co-product: 2,927 lbs/yr.
				acility Total:	7.5577	1	0.4765	CY2013 Co-product: 953 lbs/yr.
				acility Total:	3.3689	1	0.0000	CY2014 Co-product: 0.00 lbs/yr.
				acility Total:	24.8525	1	0.0000	CY2015 Co-product: 0.00 lbs/yr.
				acility Total:	29.7823	1	0.0000	CY2016 Co-product: 0.00 lbs/yr.
				acility Total:	45.7881	1	0.0000	CY2017 Co-product: 0.00 lbs/yr.
							0.0000	

Source: Boards Mining Company: File 0075, 0107 471041-2285           Spitem Description: Deep Bed Carbon Sourbor: Carbon Reperation Mining Year 1985, 07         No. 10, 00         Carbon Kin emissions factor derived from 2017 M29 stack tests.           Mg         0.39         0.395, 07         bit N         0.0001         12.88         0.0000         Feator temissions factor derived from 2017 M29 stack tests.           Mg         0.39         0.395, 07         bit N         0.0001         90         0.0000         Funces emissions factor derived from 2017 M29 stack tests.           Mg         0.37         Up         0.0000         Div         0.0000         Funces emissions factor derived from 2017 M29 stack tests.           System Description: Mercury Co-Product         V         0.0000         0.0000         Funces emissions factor derived from 2017 M29 stack tests.           System Description: Mercury Co-Product         V         0.0000<	Source: Borg	alia Mining Com	CODUC EINLOGZE			000		
Hg         137.05         ty         9.28E-07         bthr         0.001         1.288         0.0000         Chonon Kin messions factor derived from average of 2017 M29 stack tests.           Hg         0.94         ty         3.95E-07         bthr         0.0001         316         0.0000         Feature average of 2017 M29 stack tests.           Hg         0.73         typ         0.0000011         bthr         0.00011         90         0.0000         Function status derived from average of 2017 M29 stack tests.           Hg         0.73         typ         0.00000011         bthr         0.0000         1.0000         Fourage ensistions factor derived from average of 2017 M29 stack tests.           Hg         0.1615.08         Opto         Scalary Mdm ensistons factor derived from 2017 M29 stack test.           Hg         1.1615.08         Opto         Scalary Mdm ensistons factor derived from 2017 M29 stack test.           Hg         V2006 Facity Total         0.0000         Cyono         Facily Mdm ensistons factor derived from 2017 M29 stack test.           Hg         V2006 Facity Total         0.0000         Cyono         Facily Mdm ensistons factor derived from 2017 M29 stack test.           Hg         V2006 Facity Total         0.0000         Cyono         Facily Mdm ensistons factor derived from 2017 M29 stack test.		<u>v</u>			,	220		
System Description:         Descri						1 000	0.0000	Or the set (its analysis in a factor derived from success of 0047 M00 starts basis
Hg         0.94         typ         3.95E-07         fb/hr         0.0001         0.0000         0.0000         Relationsational factor derived from 2017 M29 stack test.           Hg         0.73         Up         0.00000000         Ehr         0.0000         0.0000         Umaae emissiona factor derived from 2017 M29 stack test.           Hg         0.715         Up         6.21E-07         Ub/hr         0.0000         Functional factor derived from 2017 M29 stack test.           Hg         1.615.58         Up         6.21E-07         Ub/hr         0.0000         C/0000         C						1,236	0.0000	Carbon Kim emissions factor derived from average of 2017 M29 stack tests.
System Description: Deep Bed Carbon Scruber:         Solutions         Circuit (S2:006 - S2:008/TU4:003)         Furnace emissions factor derived from average of 2017 MC9 stack tests.           Yeare Description: Deep Bed Carbon Scruber:         50,00000         b/m         0.0000         Furnace emissions factor derived from average of 2017 MC9 stack tests.           Hg         1615.58         by         6.27207         b/m         0.0000         Facility-wide mercury co-product oblexted, no breakout by system provided.           Hg         Cr2006 Facility Total         0.0000         Facility-wide mercury co-product oblexted, no breakout by system provided.           Cr2010 Facility Total         0.0000         Cr2006 Corporated: 0.00 bes/m.         0.0000         Cr2006 Corporated: 0.00 bes/m.           Cr2010 Facility Total         0.0000         Cr2010 Facility Total         0.0000         Cr2010 Corporated: 0.00 bes/m.           Cr2011 Facility Total         0.0000         Cr2011 Facility Total         0.0000         Cr2010 Corporated: 0.00 bes/m.           Cr2011 Facility Total         0.0000         Cr2010 Facility Total         0.0000         Cr2010 Facility Total         0.0000           Cr2011 Facility Total         0.0000         Cr2010 Facility Total         0.0000         Cr2010 Facility Total         0.0000           Cr2011 Facility Total         0.00001         Cr2010 Facility Total						010	0.0000	Batart aminging factor devived from 0017 M00 stack test
Hg     0.73     log     0.0000001     Byhr     0.0000     Purage emissions factor derived from average of 2017 M29 stack tests.       Hg     1.615.58     log     6.21E.07     Byhr     0.0000     Value       Hg     I.615.58     log     6.21E.07     Byhr     0.0000     Columna Circuit envisions factor derived from 2017 M29 stack test.       Hg     Image emissions factor derived from 2017 M29 stack test.     0.0000     Columna Circuit envisions factor derived from 2017 M29 stack test.       Hg     Image emissions factor derived from 2017 M29 stack test.     0.0000     Columna Circuit envisions factor derived from 2017 M29 stack test.       Hg     Image emissions factor derived from 2017 M29 stack test.     0.0000     Columna Circuit envisions factor derived from 2017 M29 stack test.       Hg     Image emissions factor derived from 2017 M29 stack test.     0.0000     Columna Circuit envisions factor derived from 2017 M29 stack test.       Cryatin Explore     Cryatin Explore     0.0000     Cryatin Explore     0.00001     Cryatin Explore       Cryatin Explore     Cryatin Explore     0.00001     Cryatin Explore     0.00001     Cryatin Explore       Cryatin Explore     Image emissions factor derived from 2017 M29 stack test.     0.00001     Cryatin Explore     0.00001       Cryatin Explore     Cryatin Explore     0.00001     0.00001     0.00001     0.00						316	0.0000	Retort emissions factor derived from 2017 M29 stack test.
System Description: Deep Bed Carbon Scrubber: Solutions Circuit (S2:006 - S2:0007114 004 - TVL 006)         Processor           Hg         1615.85         tp         6.216-77         b/hr         0.0000         Solutions Circuit (mission factor derived from 2017 M29 stack test.           Hg         1615.85         tp         6.216-77         b/hr         0.0000         CV2006 Coproduct: 0.00 bs/r.           Hg         CY2006 Facility Total:         0.0000         CV2006 Coproduct:         0.0000         CV2006 Coproduct:         0.0000           CY2007 Facility Total:         0.0000         CV2006 Coproduct:         0.0000         CV2006 Coproduct:         0.0000           CY2017 Facility Total:         0.0000         CV2006 Coproduct:         0.00 bs/r.         CV2017 Coproduct:         0.0000           CY2017 Facility Total:         0.0000         CV2016 Coproduct:         0.00 bs/r.         CV2017 Coproduct:         0.00 bs/r.           CY2017 Facility Total:         0.0372         0.0000         CV2017 Coproduct:         0.00 bs/r.           CY2017 Facility Total:         0.0221         0.0001         CV2017 Coproduct:         0.00 bs/r.           CY2017 Facility Total:         0.0221         0.0001         CV2017 Coproduct:         0.00 bs/r.           CY2017 Facility Total:         0.0221         0.0001<						00	0.0000	European and a land a dama dama a surger as a f 0017 M00 shade basts
Hg         1615.8         typ         6.21E-07         Ib/r         0.0008         0.0000         Solutions Circuit emissions factor derived from 2017 M28 stack test.           Yetem Description: Mercury Co-Product         Co-Product         0.0000         Pailly-Vaide mercury co-product collected, no breakout by system provided.           Hg         CV2007 Facility Total         0.0000         CV2007 Co-product         0.0000         CV2000 Facility Total         0							0.0000	Furnace emissions factor derived from average of 2017 M29 stack tests.
System Description:         Mercury Co-Product         Facility-wide mercury to o-product collected, no breakout by system provided.           Hg         CY2006 Facility Total         0.0000         CV2006 Co-product:         0.00 bsyr.           CY2006 Facility Total         0.0000         CV2006 Co-product:         0.00 bsyr.           CY2007 Facility Total         0.0000         CV2006 Co-product:         0.00 bsyr.           CY2007 Facility Total         0.0000         CV2006 Co-product:         0.00 bsyr.           CY2017 Facility Total         0.0000         CV2006 Co-product:         0.00 bsyr.           CY2017 Facility Total         0.0000         CV2011 Co-product:         0.00 bsyr.           CY2017 Facility Total         0.0352         0.553         0.5500         CV2011 Co-product:         0.00 bsyr.           CY2017 Facility Total         0.0352         0.5500         CV2014 Co-product:         0.00 bsyr.           CY2017 Facility Total         0.0411         0.022         0.0000         CY2014 Co-product:         0.00 bsyr.           Source:         Barlok Turpulse Ridge, Inc Gethel Mine: FiN 0389; Class 2 ACOP AP1041-0222.         MOR         4.6574 bsyr protend:         0.00 bsyr.           Hg         Not Reported         tpy         0.0001 - DN3 016         0.0000         CY2016 Co-product:							0.0000	Only times. Otherwise service in the device of from 20047 M00, should be st
Ig         CY2007 Facility Total         0.0000         0.0000         Facility-wide mercury co-product collected, no bray.           CY2007 Facility Total         0.0000         CY2007 Co-product: 0.00 bs/r.         0.0000         CY2007 Co-product: 0.00 bs/r.           CY2007 Facility Total         0.0000         CY2007 Co-product: 0.00 bs/r.         0.0000         CY2007 Co-product: 0.00 bs/r.           CY2007 Facility Total         0.0000         CY2007 Co-product: 0.00 bs/r.         0.0000         CY2007 Co-product: 0.00 bs/r.           CY2017 Facility Total         0.0000         CY2007 Co-product: 0.00 bs/r.         0.0000         CY2007 Co-product: 0.00 bs/r.           CY2017 Facility Total         0.0000         CY2017 Co-product: 0.00 bs/r.         0.0000         CY2017 Co-product: 0.00 bs/r.           CY2017 Facility Total         0.0320         0.0000         CY2017 Co-product: 0.00 bs/r.         0.0000           CY2017 Facility Total         0.0020         CY2017 Co-product: 0.00 bs/r.         0.0000         CY2017 Co-product: 0.00 bs/r.           Source:         Bartick Turquoise Ridge, hs Catchell Minne: INN 0389; Coase 2 ACOP AP1041-0222 01; Monto         0.0000         CY2017 Co-product: 0.00 bs/r.           Source:         Ly         0.000175         bb/r         C.2334         8.760         0.0000         CY2017 Co-product: 0.00 bs/r.				6.21E-07 ID/nr	0.0008	1,361	0.0000	Solutions Circuit emissions factor derived from 2017 M29 stack test.
CV2006 Facility Total:         0.0000         CV2007 Facility Total:         0.0000         CV2007 Cacinguid:         0.0000           CV2007 Facility Total:         0.0000         CV2007 Cacinguid:         0.0000         CV2007 Cacinguid:         0.0000           CV2008 Facility Total:         0.0000         CV2009 Cacinguid:         0.0000         CV2009 Cacinguid:         0.0000           CV2011 Facility Total:         0.0000         CV2009 Cacinguid:         0.0000         CV2009 Cacinguid:         0.0000           CV2011 Facility Total:         0.0000         CV2001 Cacinguid:         0.0000         CV2011 Cacinguid:         0.0000           CV2011 Facility Total:         0.0012         CV2011 Cacinguid:         0.0000         CV2011 Cacinguid:         0.0000           CV2015 Facility Total:         0.0021         CV2011 Cacinguid:         0.0000         CV2011 Cacinguid:         0.0000           Source:         Barrick Turquise Ridge, Inc Getchel Mine:         FNI 0083: Class 2 AOOP AP1641-0292.01; MOPTC AP1041-229           Source:         Barrick Turquise Ridge, Inc Getchel Mine:         FNI 0083: Class 2 AOOP AP1641-0292.01; MOPTC AP1041-229           System Description:         AssynMet Laboralon; (S2 001-1-S2 001.40/M3.001 - 0M3.016)         CV2001 Facility Total         4.862         0.0000         CV2000 Facility Carned AP104         CV2007 Fa		ription: Mercury	Co-Product		0.0000	1	0.0000	East Manual data and an and an an an and a standard and have been the second and an and shared
CY2007 Facility Total:         0.0000         CY2007 Co-product:         0.0	нg							
CY2008 Facility Total:         0.0000         CY2008 Ca-product:         0.00 bs/r.           CY2009 Facility Total:         0.0000         CY2009 Ca-product:         0.00 bs/r.           CY2011 Facility Total:         0.0000         CY2009 Ca-product:         0.00 bs/r.           CY2011 Facility Total:         0.0000         CY200 Ca-product:         0.00 bs/r.           CY2011 Facility Total:         0.0000         CY201 Ca-product:         0.00 bs/r.           CY2011 Facility Total:         0.002         CY201 Ca-product:         0.00 bs/r.           Source:         Barick Turquoise Ridge, Inc Getchell Mine:         FN 0389. Class 2 AOOP AP1041-0292.01; MOPTC AP1041-2249         0.0000         CY200 Facility Total:         Assay           Your Facility Total:         0.0011         CS200 Facility Total:         Assay         Assay         Assay           Source:         Davit Reported         Laboratory (Ca-product:         Co0 bs/r.         Caraa           Your Facility Total:         4.9462         0.0000         CY								
Source:         Bartick Turquise Ridge, Inc Getchel Minris Designation Tech. Rev.           V22017 Facility Total:         0.0000         CV2010 Co-product:         0.0000         CV2011 Co-product:         0.0000           Source:         Bartick Turquise Ridge, Inc Getchel Minris Designation Tech. Rev.         0.0000         CV2017 Co-product:         0.0000         CV2017 Co-product:         0.0000           Source:         Bartick Turquise Ridge, Inc Getchel Minris Designation Tech. Rev.         0.0000         CV2017 Co-product:         0.0000         CV2017 Co-product: <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Source:         Barrick Turquoise Ridge, Inc Get-chell Minr: FIN 03821         0.0000         CV2016 Ce-product: 0.00 bs/yr.           Source:         Barrick Turquoise Ridge, Inc Get-chell Minr: FIN 0385 (class 2 AOOP AP1014-10928.01; MOPTC AP10141-2249         0.0000         CV2016 Ce-product: 0.00 bs/yr.           Source:         Barrick Turquoise Ridge, Inc Get-chell Minr: FIN 038; Class 2 AOOP AP1014-0928.01; MOPTC AP10141-2249         0.0000         CV2016 Ce-product: 0.00 bs/yr.           Source:         Source:         Source: Barrick Turquoise Ridge, Inc Get-chell Minr: FIN 038; Class 2 AOOP AP1014-0928.01; MOPTC AP1041-2249           System Description:         Assay/Met Laboratory (Sz.001 + Sz.001.4/DM3.001 + DM3.016)         CV2007 Facility Total: 4.9462         0.0000         CV2000 Facility Total: 4.9462           CV2007 Facility Total:         4.9462         0.0000         CV2000 Ce-product: 0.00 bs/yr.           CV2007 Facility Total:         4.9462         0.0000         CV2000 Ce-product: 0.00 bs/yr.           CV2007 Facility Total:         4.9462         0.0000         CV2001 Ce-product: 0.00 bs/yr.           CV2010 Facility Total:         4.9462         0.0000         CV2010 Ce-product: 0.00 bs/yr.           CV2011 Facility Total:         4.9462         0.0000         CV2010 Ce-product: 0.00 bs/yr.           CV2011 Facility Total:         4.9462         0.00000         CV2011 Ce-product: 0.00 bs/yr. </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>   </td> <td></td> <td></td>								
<ul> <li></li></ul>								
CV2014 Facility Total:         0.0372           CV2015 Facility Total:         0.4184           CV2016 Facility Total:         0.0221           CV2017 Facility Total:         0.0221           Source:         Barick Turquoise Ridge, Inc GetChell Mine:         FNI 0380; Class 2 ACOP AP1041-0292.01; MOPTC AP1041-2249           System Description:         AssyMet Laboratory (S2.001.1 - S2.001.4/DM3.001 - DM3.016)         FNI Peported           Hg         Not Reported         tpy         0.000712 facility Total:         10.6752           CV2007 Facility Total:         10.6752         0.0000         CV2006 Co-product: 0.00 bs/yr.           CV2007 Facility Total:         4.9462         0.0000         CV2006 Co-product: 0.00 bs/yr.           CV2001 Facility Total:         4.9462         0.0000         CV2007 Co-product: 0.00 bs/yr.           CV2011 Facility Total:         4.9462         0.0000         CV2016 Co-product: 0.00 bs/yr.           CV2011 Facility Total:         4.9462         0.0000         CV2016 Co-product: 0.00 bs/yr.           CV2011 Facility Total:         4.9462         0.0000         CV2016 Co-product: 0.00 bs/yr.           CV2011 Facility Total:         4.9462         0.0000         CV2016 Co-product: 0.00 bs/yr.           CV2011 Facility Total:         4.9462         0.0000         CV2016 Co-product								
CY2015 Facility Total:         9.4184           CY2016 Facility Total:         0.0201           CY2017 Facility Total:         0.0201           CY2017 Facility Total:         0.0201           CY2017 Facility Total:         0.0201           Source:         GetXetHell Mine: FIN 0389; Class 2 AOCP AP1041-0282 01           Hg         Not Reported         tpy           0.0000         CY2016 C-product:         0.000 lbs/yr.           CY2006 Facility Total:         1.06752         0.0000         CY2007 C-product:         0.00 lbs/yr.           CY2006 Facility Total:         4.9462         0.0000         CY2007 C-product:         0.00 lbs/yr.           CY2016 Facility Total:         4.9462         0.0000         CY2007 C-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2016 C-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2010 C-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2010 C-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2010 C-product:         0.00 lbs/yr.           CY2015 Facility Total:         4.9462         0.0000								
CY2016 Facility Total:         0.0001         0.0000         CY2017 Co-product:         0.000 bs/yr.           Source:         Barrick Turguoise Ridge, Inc Getchell Mine:         FNI 0389; Class 2 AOOP AP1041-0292 01; MOPTC AP1041-292         CY2017 Co-product:         0.0000         CY2007 Co-product:         0.0000         CY2007 Co-product:         0.0000         CY2000 Co-product:         0.0000         CY2001 Co-product:         0.0000         CY2001 Co-product:         0.0000         CY2001 Co-product:         0.0000         CY2010 Co-product:         0.0000         CY2010 Co-product:         0.0000         CY2010 Co-product:         0.0000         CY2011 Co-product:         0.0000         CY2011 C							0.3510	
CY2017 Facility Total:         0.0022         0.0000         CY2017 Co-product:         0.001 bis/r.           Source:         Barrick Turquose Ridge, Inc Getchell Mine: FIN 0389: Class 2 AOOP AP1041-0292.01; MOPTC AP1041-229         4.6574 Ibs/yr potential to emit (PTE) - see De Minimis Designation Tech. Rev.           Hg         Not Reported         tpy         0.000715         Ib/hr         6.2634         8.760         0.0000         CY2006 Co-product:         0.00 bis/yr.           CY2007 Facility Total:         4.9660         0.0000         CY2007 Co-product:         0.00 bis/yr.           CY2009 Facility Total:         4.9462         0.0000         CY2006 Co-product:         0.00 bis/yr.           CY2010 Facility Total:         4.9462         0.0000         CY2006 Co-product:         0.00 bis/yr.           CY2011 Facility Total:         4.9462         0.0000         CY2010 Co-product:         0.00 bis/yr.           CY2011 Facility Total:         4.9462         0.0000         CY2010 Co-product:         0.00 bis/yr.           CY2014 Facility Total:         4.9462         0.0000         CY2010 Co-product:         0.00 bis/yr.           CY2014 Facility Total:         4.9462         0.0000         CY2010 Co-product:         0.00 bis/yr.           CY2014 Facility Total:         4.9462         0.0000         CY2010 Co-product					9.4184		0.0000	
Source:         Barrick Turquoise Ridge, Inc Getchell Mine:         FIN 0389; Class 2 AOOP AP1041-0282.01; MOPTC AP1041-2249           System Description:         Assay/Met Laboratory (S2.001.1 - S2.001.4/DM3.016)         Not Reported         tpy         0.00001 - DM3.016)           Hg         Not Reported         tpy         0.00001 - DM3.016)         Scala         8,760         0.0000         4.6574 lbs/yr potential to emit (PTE) - see De Minimis Designation Tech. Rev.           CY2006 Facility Total:         4.9860         0.0000         CY2006 Co-product: 0.00 lbs/yr.           CY2007 Facility Total:         4.9462         0.0000         CY2000 Co-product: 0.00 lbs/yr.           CY2011 Facility Total:         4.9462         0.0000         CY2010 Co-product: 0.00 lbs/yr.           CY2012 Facility Total:         4.9462         0.0000         CY2010 Co-product: 0.00 lbs/yr.           CY2013 Facility Total:         4.9462         0.0000         CY2010 Co-product: 0.00 lbs/yr.           CY2014 Facility Total:         4.9462         0.0000         CY2011 Co-product: 0.00 lbs/yr.           CY2015 Facility Total:         4.9462         0.0000         CY2011 Co-product: 0.00 lbs/yr.           CY2014 Facility Total:         4.9462         0.0000         CY2011 Co-product: 0.00 lbs/yr.           CY2014 Facility Total:         4.9462         0.0000         CY2				CY2016 Facility Total:	0.0201		0.0000	CY2016 Co-product: 0.00 lbs/yr.
System Description:         Assay/Met Laboratory (S2.001.1 - 52.001.4/DM3.001 - DM3.016)           Hg         Not Reported         tpy         0.000715         tb/hr         6.2634         8,760         0.0000         CY2006 Co-product: 0.00 lbs/yr.           CY2007 Facility Total:         4.9660         0.0000         CY2006 Co-product: 0.00 lbs/yr.         0.0000         CY2007 Co-product: 0.00 lbs/yr.           CY2009 Facility Total:         4.9462         0.0000         CY2009 Co-product: 0.00 lbs/yr.           CY2019 Facility Total:         4.9462         0.0000         CY2010 Co-product: 0.00 lbs/yr.           CY2011 Facility Total:         4.9462         0.0000         CY2010 Co-product: 0.00 lbs/yr.           CY2011 Facility Total:         4.9462         0.0000         CY2010 Co-product: 0.00 lbs/yr.           CY2011 Facility Total:         4.9462         0.0000         CY2010 Co-product: 0.00 lbs/yr.           CY2011 Facility Total:         4.9462         0.0000         CY2010 Co-product: 0.00 lbs/yr.           CY2012 Facility Total:         4.9462         0.0000         CY2014 Co-product: 0.00 lbs/yr.           CY2014 Facility Total:         4.9462         0.0000         CY2014 Co-product: 0.00 lbs/yr.           CY2014 Facility Total:         4.9462         0.0000         CY2014 Co-product: 0.00 lbs/yr.           <				CY2017 Facility Total:	0.0022		0.0000	CY2017 Co-product: 0.00 lbs/yr.
Hg         Not Reported         tpy         0.000715         lb/hr         6.2634         8,760         0.0000         CY2006 Co-product:         0.000 lbs/yr.           CY2007 Facility Total:         10.6752         0.0000         CY2006 Co-product:         0.00 lbs/yr.           CY2007 Facility Total:         4.9462         0.0000         CY2008 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2016 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2016 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2016 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2012 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2012 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.6574         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.6574         0.0000         CY2014 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.6574         0.0000         CY2016 Co-product:         0.00 lbs/yr.           Source: United	Source: Barr	rick Turquoise Ri	dge, Inc Getch	ell Mine: FIN 0389; Class 2	AQOP AP1041-0292.	01; MOPTC	AP1041-2249	
Hg         Not Reported         tpy         0.000715         lb/hr         6.2634         8,760         0.0000         CY2006 Co-product:         0.000 lbs/yr.           CY2007 Facility Total:         10.6752         0.0000         CY2006 Co-product:         0.00 lbs/yr.           CY2007 Facility Total:         4.9462         0.0000         CY2008 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2016 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2016 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2016 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2012 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.9462         0.0000         CY2012 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.6574         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.6574         0.0000         CY2014 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         4.6574         0.0000         CY2016 Co-product:         0.00 lbs/yr.           Source: United	System Desc	ription: Assav/M	et Laboratory (S	2.001.1 - S2.001.4/DM3.00	- DM3.016)	,		
CY2006 Facility Total:         10.6752           CY2007 Facility Total:         4.9660           CY2007 Facility Total:         4.9462           CY2007 Facility Total:         4.9462           CY2007 Facility Total:         4.9462           CY2011 Facility Total:         4.6574           CY2011 Facility Total:         4.0574           CY2011 Facility Total:         4.0574           CY2011 Facility Total:						8.760	0.0000	4.6574 lbs/vr potential to emit (PTE) - see De Minimis Designation Tech. Rev.
CY2007 Facility Total:         4.9660           CY2008 Facility Total:         4.9660           CY2009 Facility Total:         4.9462           CY2009 Facility Total:         4.9462           CY2010 Facility Total:         4.9462           CY2011 Facility Total:         4.9462           CY2011 Facility Total:         4.9462           CY2011 Facility Total:         4.9462           CY2011 Facility Total:         4.9462           CY2013 Facility Total:         4.9462           CY2013 Facility Total:         4.9462           CY2014 Facility Total:         4.9462           CY2015 Facility Total:         4.9462           CY2014 Facility Total:         4.9462           CY2015 Facility Total:         4.9462           CY2015 Facility Total:         4.9462           CY2015 Facility Total:         4.9662           CY2015 Facility Total:         4.9674           CY2015 Facility Total:         4.9674           CY2015 Facility Total:         4.9674           CY2017 Facility Total:         4.6574           CY2017 Facility Total:         4.6574           CY2017 Facility Total:         6.2634           0.0000         CY2016 Co-product:         0.00 bs/yr.           System				CY2006 Facility Total:	10.6752	,		
CY2008 Facility Total:         4.9462           CY2009 Facility Total:         4.9462           CY2010 Facility Total:         4.9462           CY2011 Facility Total:         4.9462           CY2012 Facility Total:         4.9462           CY2013 Facility Total:         4.9462           CY2014 Facility Total:         4.9462           CY2015 Facility Total:         4.9462           CY2015 Facility Total:         4.9462           CY2014 Facility Total:         4.9462           CY2015 Facility Total:         4.9462           Ou000         CY2016 Co-product: 0.00 lbs/yr.           CY2017 Facility Total:<						1		
CY2009 Facility Total:         4.9462           CY2010 Facility Total:         4.9462           CY2011 Facility Total:         4.9462           CY2012 Facility Total:         4.9462           CY2012 Facility Total:         4.9462           CY2012 Facility Total:         4.9462           CY2012 Facility Total:         4.9462           CY2013 Facility Total:         4.9462           CY2014 Facility Total:         4.6574           CY2016 Facility Total:         4.6574           CY2017 Facility Total:         6.2634           0.0000         CY2015 Co-product:         0.00 lbs/yr.           Source: United Mining Partners, LLC (formerly Noble Technologies Corp.): FIN 1079; Class 2 AOOP AP1041-3645; MOPTC AP1041-2701           System Description: Furnaces - 2 Drying, 1 Smelting (S2.008/DM3.001 - DM3.014)           Hg         0.0272         0.0000           CY2010 Facility Total:         4.0026           CY2010 Facility Total:         4.0026								
CY2010 Facility Total:         4.9462           CY2011 Facility Total:         4.9462           CY2012 Facility Total:         4.9462           CY2013 Facility Total:         4.9462           CY2014 Facility Total:         4.9462           CY2015 Facility Total:         4.9462           CY2015 Facility Total:         4.7375           CY2015 Facility Total:         4.6574           CY2017 Facility Total:         4.6574           CY2017 Facility Total:         6.2634           Source: United Mining Partners, LLC (formerly Noble Technologies Corp.): FIN 1079; Class 2 AOOP AP1041-3645; MOPTC AP1041-2701           System Description: Furnaces - 2 Drying, 1 Smetting         0.0272           CY2010 Facility Total:         4.0026           CY2010 Facility Total:         4.0026           CY2013 Facility Total:         4.0026           CY2014 Facility Total:         4.0026           CY2015 Facility Total:         4.0026           CY2013 Facility Total:         4.0026           CY2014 Facility Total:         4.0026           CY2015 Facility Total:         4.0026           CY2016 Facility Total:         4.0026           CY2016 Facility Total:         4.0026           CY2016 Facility Total:         4.0026           CY201						1 1		
CY2011 Facility Total:         4.9462           CY2012 Facility Total:         4.9462           CY2012 Facility Total:         4.9462           CY2013 Facility Total:         4.9462           CY2014 Facility Total:         4.9462           CY2015 Facility Total:         4.9375           CY2015 Facility Total:         4.6574           CY2016 Facility Total:         4.6574           CY2017 Facility Total:         4.6574           CY2017 Facility Total:         4.6574           CY2017 Facility Total:         4.6574           CY2017 Facility Total:         6.2634           0.0000         CY2016 Co-product:         0.00 lbs/yr.           CY2017 Facility Total:         6.2634         0.0000         CY2017 Co-product:         0.00 lbs/yr.           Source:         United Mining Partners, LLC (formerly Noble Technologies Corp.): FIN 1079; Class 2 AQOP AP1041-3645; MOPTC AP1041-2701         System Description: Furnaces - 2 Drying, 1 Smelting (S2.008/DM3.001 - DM3.014)         0.0272         0.0000         Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review.           Y2010 Facility Total:         4.0026         0.0000         CY2010 Co-product:         0.00 lbs/yr.           CY2012 Facility Total:         4.0026         0.0000         CY2012 Co-product:         0.00 lbs/yr.						1 1		
CY2012 Facility Total:         4.9462           CY2013 Facility Total:         4.9462           CY2014 Facility Total:         4.9462           CY2015 Facility Total:         4.9462           CY2015 Facility Total:         4.6574           CY2016 Facility Total:         4.6574           CY2017 Facility Total:         4.6574           CY2017 Facility Total:         4.6574           CY2017 Facility Total:         6.2634           Source: United Mining Partners, LLC (formerly Noble Technologies Corp.): FIN 1079; Class 2 AQOP AP1041-3645; MOPTC AP1041-2701           System Description: Furnaces - 2 Drying, 1 Smelting (S2.008/DM3.001 - DM3.014)           Hg         0.0272           CY2010 Facility Total:         4.0026           CY2011 Facility Total:         4.0026           CY2012 Facility Total:         4.0026           CY2013 Facility Total:         4.0026           CY2014 Facility Total:         4.0026           CY2013 Facility Total:         4.0026           CY2014 Facility Total:         4.0026           CY2014 Facility Total:         4.0026           CY2014 Facility Total:         4.0026           CY2014 Facility Total:         4.0026           CY2015 Facility Total:         4.0026           CY2016 Facility Total:						1 1		
CY2013 Facility Total:         4.9462           CY2014 Facility Total:         4.7375           CY2015 Facility Total:         4.6574           CY2016 Facility Total:         4.6574           CY2017 Facility Total:         6.2634           Source: United Mining Partners, LLC (formerly Noble Technologies Corp.):         FIN 1079; Class 2 AQOP AP1041-3645; MOPTC AP1041-2701           System Description:         Funaces - 2 Drying, 1 Smelting (S2.008/DM3.001 - DM3.014)         0.0000           Hg         0.0000         CY2010 Co-product: 0.00 lbs/yr.           CY2017 Facility Total:         4.0026           CY2017 Facility Total:         4.0026           CY2018 Facility Total:         4.0026           CY2019 Facility Total:         4.0026 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>1 1</td><td></td><td></td></td<>						1 1		
CY2014 Facility Total:         4.7375           CY2015 Facility Total:         4.6574           CY2016 Facility Total:         4.6574           CY2016 Facility Total:         4.6574           CY2017 Facility Total:         4.6574           CY2017 Facility Total:         4.6574           CY2017 Facility Total:         4.6574           CY2017 Facility Total:         6.2634           Source: United Mining Partners, LLC (formerly Noble Technologies Corp.): FIN 1079; Class 2 AQOP AP1041-3645; MOPTC AP1041-2701           System Description: Furnaces - 2 Drying, 1 Smelting (S2.008/DM3.001 - DM3.014)           Hg         0.0272           CY2010 Facility Total:         4.0026           CY2011 Facility Total:         4.0026           CY2012 Facility Total:         4.0026           CY2013 Facility Total:         4.0026           CY2013 Facility Total:         4.0026           CY2013 Facility Total:         4.0026           CY2013 Facility Total:         4.0026           CY2014 Facility Total:         4.0026           CY2013 Facility Total:         4.0026           CY2014 Facility Total:         4.0026           CY2014 Facility Total:         4.0026           CY2015 Facility Total:         0.0000           CY2014 Facility Total:				,		1 F		
CY2015 Facility Total:         4.6574           CY2016 Facility Total:         4.6574           CY2017 Facility Total:         4.6574           CY2017 Facility Total:         4.6574           CY2017 Facility Total:         6.2634           Source: United Mining Partners, LLC (formerly Noble Technologies Corp.):         FIN 1079; Class 2 AQOP AP1041-3645; MOPTC AP1041-2701           System Description:         Furnaces - 2 Drying, 1 Smelting (S2.008/DM3.001 - DM3.014)           Hg         0.0000         CY2017 Co-product: 0.00 lbs/yr.           CY2010 Facility Total:         4.0026           CY2011 Facility Total:         4.0026           CY2012 Facility Total:         4.0026           CY2013 Facility Total:         4.0026           CY2014 Facility Total:         4.0026           CY2015 Co-product:         0.00 lbs/yr.           CY2014 Facility Tota						{ }		
CY2016 Facility Total:         4.6574         0.0000         CY2016 Co-product:         0.000 lbs/yr.           Source:         United Mining Partners, LLC (formerly Noble Technologies Corp.):         FIN 1079; Class 2 AQOP AP1041-3645; MOPTC AP1041-2701           System Description:         Furnaces - 2 Drying, 1 Smelting (S2.008/DM3.001 - DM3.014)         0.0000         CY2017 Co-product:         0.00 0Lbs/yr.           Hg          0.0000         CY2010 Facility Total:         4.0026         0.0000         CY2010 Co-product:         0.00 0Lbs/yr.           CY2011 Facility Total:         4.0026         0.0000         CY2011 Co-product:         0.00 0Lbs/yr.           CY2012 Facility Total:         4.0026         0.0000         CY2011 Co-product:         0.00 0Lbs/yr.           CY2013 Facility Total:         4.0026         0.0000         CY2011 Co-product:         0.00 0Lbs/yr.           CY2014 Facility Total:         4.0026         0.0000         CY2012 Co-product:         0.00 0Lbs/yr.           CY2014 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 0Lbs/yr.           CY2014 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 0Lbs/yr.           CY2014 Facility Total:         0.0000         CY2013 Co-product:         0.00 0Lbs/yr.         0.000 0Lbs/yr. <td></td> <td></td> <td></td> <td></td> <td></td> <td>{ }</td> <td></td> <td></td>						{ }		
CY2017 Facility Total:         6.2634         0.0000         CY2017 Co-product: 0.00 lbs/yr.           Source:         United Mining Partners, LLC (formerly Noble Technologies Corp.):         FIN 1079; Class 2 AQOP AP1041-3645; MOPTC AP1041-2701           System Description:         Furnaces - 2 Drying, 1 Smelting (S2.008/DM3.001 - DM3.014)         0.00272         0.0000         Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review.           Hg          0.0272         0.0000         CY2010 Co-product: 0.00 lbs/yr.           CY2010 Facility Total:         4.0026         0.0000         CY2010 Co-product: 0.00 lbs/yr.           CY2012 Facility Total:         4.0026         0.0000         CY2012 Co-product: 0.00 lbs/yr.           CY2013 Facility Total:         4.0026         0.0000         CY2012 Co-product: 0.00 lbs/yr.           CY2013 Facility Total:         4.0026         0.0000         CY2012 Co-product: 0.00 lbs/yr.           CY2013 Facility Total:         4.0026         0.0000         CY2012 Co-product: 0.00 lbs/yr.           CY2013 Facility Total:         4.0026         0.0000         CY2013 Co-product: 0.00 lbs/yr.           CY2014 Facility Total:         4.0026         0.0000         CY2013 Co-product: 0.00 lbs/yr.           CY2014 Facility Total:         4.0026         0.0000         CY2013 Co-product: 0.00 lbs/yr.						4 -		
Source:         United Mining Partners, LLC (formerly Noble Technologies Corp.):         FIN 1079; Class 2 AQOP AP1041-3645; MOPTC AP1041-2701           System Description:         Furnaces - 2 Drying, 1 Smelting (S2.008/DM3.001 - DM3.014)         0.0272         0.0000         Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review.           Hg         CY2010 Facility Total:         4.0026         0.0000         CY2010 Co-product:         0.00 lbs/yr.           CY2012 Facility Total:         4.0026         0.0000         CY2011 Co-product:         0.00 lbs/yr.           CY2013 Facility Total:         4.0026         0.0000         CY2012 Co-product:         0.00 lbs/yr.           CY2013 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           Output         CY2015 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           Output         CY2015 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2015 Facility Total:         0.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2015 Facility Total:         0.0027         0.0000         CY2014 Co-product:         0.00 lbs/yr.           CY2016 Facility Total:         0.0272         0.0000         CY2016 C					4 05/4	1	0.0000	
System Description:         Furnaces - 2 Drying, 1 Smelting (S2.008/DM3.001 - DM3.014)           Hg         0.0272         0.0000         Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review.           CY2010 Facility Total:         4.0026         0.0000         CY2010 Co-product:         0.00 lbs/yr.           CY2012 Facility Total:         4.0026         0.0000         CY2011 Co-product:         0.00 lbs/yr.           CY2013 Facility Total:         4.0026         0.0000         CY2012 Co-product:         0.00 lbs/yr.           CY2013 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2013 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2015 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2015 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2015 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2015 Facility Total:         4.0026         0.0000         CY2014 Co-product:         0.00 lbs/yr.           CY2015 Facility Total:         0.0272         0.0000         CY2013 Co-product:         0.00 lbs/yr. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.0000</td> <td></td>							0.0000	
Hg         0.0272         0.0000         Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review.           CY2010 Facility Total:         4.0026         0.0000         CY2010 Co-product:         0.00 lbs/yr.           CY2011 Facility Total:         4.0026         0.0000         CY2011 Co-product:         0.00 lbs/yr.           CY2012 Facility Total:         4.0026         0.0000         CY2012 Co-product:         0.00 lbs/yr.           CY2013 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2014 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2014 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2015 Facility Total:         4.0026         0.0000         CY2014 Co-product:         0.00 lbs/yr.           CY2015 Facility Total:         0.0000         CY2015 Co-product:         0.00 lbs/yr.         0.0000           CY2016 Facility Total:         0.0272         0.0000         CY2016 Co-product:         0.00 lbs/yr.	0			CY2017 Facility Total:	6.2634			CY2017 Co-product: 0.00 lbs/yr.
CY2010 Facility Total:         4.0026         0.0000         CY2010 Co-product:         0.00 lbs/yr.           CY2011 Facility Total:         4.0026         0.0000         CY2011 Co-product:         0.00 lbs/yr.           CY2012 Facility Total:         4.0026         0.0000         CY2012 Co-product:         0.00 lbs/yr.           CY2013 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2014 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2014 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2014 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2015 Facility Total:         0.0000         CY2015 Co-product:         0.00 lbs/yr.           CY2016 Facility Total:         0.0272         0.0000         CY2016 Co-product:         0.00 lbs/yr.				CY2017 Facility Total: Noble Technologies Corp.	6.2634 : FIN 1079; Class 2 A	QOP AP104		CY2017 Co-product: 0.00 lbs/yr.
CY2011 Facility Total:       4.0026         CY2012 Facility Total:       4.0026         CY2013 Facility Total:       4.0026         CY2014 Facility Total:       4.0026         CY2015 Facility Total:       4.0026         CY2014 Facility Total:       4.0026         CY2015 Facility Total:       4.0026         CY2015 Facility Total:       0.0000         CY2016 Facility Total:       0.0272	System Desc			CY2017 Facility Total: Noble Technologies Corp.	6.2634 :: FIN 1079; Class 2 A DM3.014)	AQOP AP104	1-3645; MOP	CY2017 Co-product: 0.00 lbs/yr. TC AP1041-2701
CY2012 Facility Total:         4.0026         0.0000         CY2012 Co-product:         0.00 lbs/yr.           CY2013 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2014 Facility Total:         4.0026         0.0000         CY2014 Co-product:         0.00 lbs/yr.           CY2015 Facility Total:         0.0000         CY2015 Co-product:         0.00 lbs/yr.           CY2016 Facility Total:         0.0272         0.0000         CY2016 Co-product:         0.00 lbs/yr.	System Desc			CY2017 Facility Total: / Noble Technologies Corp. nelting (S2.008/DM3.001 -	6.2634 : FIN 1079; Class 2 A DM3.014) 0.0272	AQOP AP104	1-3645; MOP 0.0000	CY2017 Co-product: 0.00 lbs/yr. TC AP1041-2701 Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review.
CY2013 Facility Total:         4.0026         0.0000         CY2013 Co-product:         0.00 lbs/yr.           CY2014 Facility Total:         4.0026         0.0000         CY2014 Co-product:         0.00 lbs/yr.           CY2015 Facility Total:         0.0000         CY2015 Co-product:         0.00 lbs/yr.           CY2016 Facility Total:         0.0272         0.0000         CY2016 Co-product:         0.00 lbs/yr.	System Desc			CY2017 Facility Total: Voble Technologies Corp. melting (S2.008/DM3.001 - 1 CY2010 Facility Total:	6.2634 : FIN 1079; Class 2 A DM3.014) 0.0272 4.0026	AQOP AP104	1-3645; MOP 0.0000 0.0000	CY2017 Co-product: 0.00 lbs/yr. TC AP1041-2701 Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review. CY2010 Co-product: 0.00 lbs/yr.
CY2014 Facility Total:         4.0026         0.0000         CY2014 Co-product:         0.00 lbs/yr.           CY2015 Facility Total:         0.0000         CY2015 Co-product:         0.00 lbs/yr.           CY2016 Facility Total:         0.0272         0.0000         CY2016 Co-product:         0.00 lbs/yr.	System Desc			CY2017 Facility Total: Voble Technologies Corp. melting (S2.008/DM3.001 - CY2010 Facility Total: CY2011 Facility Total:	6.2634 : FIN 1079; Class 2 A DM3.014) 0.0272 4.0026 4.0026	AQOP AP104	1-3645; MOP 0.0000 0.0000 0.0000	CY2017 Co-product: 0.00 lbs/yr. TC AP1041-2701 Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr.
CY2015 Facility Total:         0.0000         CY2015 Co-product:         0.00 lbs/yr.           CY2016 Facility Total:         0.0272         0.0000         CY2016 Co-product:         0.00 lbs/yr.	System Desc			CY2017 Facility Total: v Noble Technologies Corp. melting (S2.008/DM3.001 - CY2010 Facility Total: CY2011 Facility Total: CY2012 Facility Total:	6.2634 : FIN 1079; Class 2 A DM3.014) 0.0272 4.0026 4.0026 4.0026	AQOP AP104	1-3645; MOP 0.0000 0.0000 0.0000 0.0000	CY2017 Co-product: 0.00 lbs/yr. TC AP1041-2701 Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. CY2012 Co-product: 0.00 lbs/yr.
CY2016 Facility Total: 0.0272 0.0000 CY2016 Co-product: 0.00 lbs/yr.	System Desc			CY2017 Facility Total: v Noble Technologies Corp. nelting (S2.008/DM3.001 - CY2010 Facility Total: CY2011 Facility Total: CY2012 Facility Total: CY2013 Facility Total:	6.2634 : FIN 1079; Class 2 A DM3.014) 0.0272 4.0026 4.0026 4.0026 4.0026	AQOP AP104	1-3645; MOP 0.0000 0.0000 0.0000 0.0000 0.0000	CY2017 Co-product: 0.00 lbs/yr. TC AP1041-2701 Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. CY2012 Co-product: 0.00 lbs/yr. CY2013 Co-product: 0.00 lbs/yr.
	System Desc			CY2017 Facility Total: v Noble Technologies Corp. nelting (S2.008/DM3.001 - CY2010 Facility Total: CY2011 Facility Total: CY2012 Facility Total: CY2013 Facility Total: CY2014 Facility Total:	6.2634 : FIN 1079; Class 2 A DM3.014) 0.0272 4.0026 4.0026 4.0026 4.0026 4.0026	AQOP AP104	1-3645; MOP 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	CY2017 Co-product: 0.00 lbs/yr. TC AP1041-2701 Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. CY2013 Co-product: 0.00 lbs/yr. CY2013 Co-product: 0.00 lbs/yr. CY2014 Co-product: 0.00 lbs/yr.
CY2017 Facility Total: 0.0272 0.0000 CY2017 Co-product: X lbs/yr.	System Desc			CY2017 Facility Total: v Noble Technologies Corp. nelting (S2.008/DM3.001 - CY2010 Facility Total: CY2011 Facility Total: CY2012 Facility Total: CY2013 Facility Total: CY2014 Facility Total: CY2015 Facility Total:	6.2634 : FIN 1079; Class 2 A DM3.014) 0.0272 4.0026 4.0026 4.0026 4.0026 4.0026 0.0000	AQOP AP104	1-3645; MOP 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	CY2017 Co-product: 0.00 lbs/yr. TC AP1041-2701 Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. CY2012 Co-product: 0.00 lbs/yr. CY2013 Co-product: 0.00 lbs/yr. CY2014 Co-product: 0.00 lbs/yr. CY2015 Co-product: 0.00 lbs/yr.
	System Desc			CY2017 Facility Total: v Noble Technologies Corp. nelting (S2.008/DM3.001 - CY2010 Facility Total: CY2011 Facility Total: CY2012 Facility Total: CY2013 Facility Total: CY2014 Facility Total: CY2015 Facility Total:	6.2634 : FIN 1079; Class 2 A DM3.014) 0.0272 4.0026 4.0026 4.0026 4.0026 4.0026 0.0000	QOP AP104	1-3645; MOP 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	CY2017 Co-product: 0.00 lbs/yr.         TC AP1041-2701         Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review.         CY2010 Co-product: 0.00 lbs/yr.         CY2011 Co-product: 0.00 lbs/yr.         CY2012 Co-product: 0.00 lbs/yr.         CY2013 Co-product: 0.00 lbs/yr.         CY2013 Co-product: 0.00 lbs/yr.         CY2014 Co-product: 0.00 lbs/yr.         CY2015 Co-product: 0.00 lbs/yr.         CY2015 Co-product: 0.00 lbs/yr.         CY2016 Co-product: 0.00 lbs/yr.         CY2016 Co-product: 0.00 lbs/yr.         CY2016 Co-product: 0.00 lbs/yr.

Source: GPE	P Pan LLC (form	orly Midway Gold		1407: Class		74: Class 2 A		-3831; MOPTC AP1041-3302
		Kiln (S2.006/TU4.		1497, Glass	1 AQUE AF1041-30	74, 01855 Z A	QUF AF1041	-3031, MOFTC AF1041-3302
Hq	496.00	tpy	0.0129	lbs/hr	58.5970	4.542	0.0000	Carbon Kiln emissions factor derived from 2017 M29 stack test.
		Retort (S2.008/T		103/111	30.3370	4,042	0.0000	Darbon Min emissions factor derived nom 2017 W29 stack test.
Hg	1.23		0.00000335	lbs/hr	0.0022	658	0.0000	Retort emissions factor derived from 2017 M29 stack test.
		nace (S2.010/TU-		100/111	0.0022	000	0.0000	
Hg	0.89	lbs/yr	0.000136	lbs/hr	0.0268	197	0.0000	Furnace emissions factor derived from 2017 M29 stack test.
					ks (S2.011/TU4.004 -	-		
Hg	486.00	tpy	0.0000679	lbs/hr	0.2630	3,873	0.0000	Carbon Stripping Circuit emissions factor derived from 2017 M29 stack test.
System Desc	ription: Mercury							
Hg					0.0000		0.4300	Facility-wide mercury co-product collected, no breakout by system provided.
System Desc	ription: Assay La	aboratory (S2.011	I/DM3.001 - DI	M3.008)				
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.
			CY2014 F	acility Total:	0.0000		0.0000	CY2014 Co-product: 0.00 lbs/yr.
				acility Total:	2.5131		0.3200	CY2015 Co-product: 637.32 lbs/yr.
				acility Total:	2.4911		0.4900	CY2016 Co-product: 970.07 lbs/yr.
L			CY2017 Fa	acility Total:	61.3590		0.4300	CY2017 Co-product: 869.9 lbs/yr.
				904; Class 2 A	QOP AP1041-2441;	OPTC AP10	41-3652; MOF	PTC AP1041-3585
		Retort (S2.009B/						
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Mercury Retort did not operate in 2017.
		Regeneration Kiln		,		-		
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Carbon Regeneration KIIn did not operate in 2017.
					5/TU4.003 - TU4.006)		-	
Hg	0.00	gal/yr	0	lbs/hr	0.0000	0	0.0000	EW Cells & Barren Tank did not operate in 2017.
		nace (S2.010B/T	U4.007)					
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Melt Furnace did not operate in 2017.
-	ription: Assay La	aboratory (S2.012	2 - S2.015/DM3	3.001 - DM3.0	/			
Hg					0.0000		0.0000	Potential to emit (PTE) of 0.34 lbs/yr, not actual - see DM Tech. Review
				acility Total:	0.3400		0.0000	CY2016 Co-product: 0.00 lbs/yr.
				acility Total:			0.0000	CY2017 Co-product: 0 lbs/yr.
					Class 2 AQOP AP104	1-3586; MOF	PTC AP1041-3	3833
-	ription: Atomic A	Adsorption Spectr	ometer (DM3.0	001)	0.0000		0.0000	Determine the service (DTE) of 0.000000000 (be/m unit extended on a DM Task. Devices
Hg			0)(0010	acility Total:	0.0000		0.0000	Potential to emit (PTE) of 0.00000346 lbs/yr, not actual - see DM Tech. Review
				acility Total:	0.0000		0.0000	CY2016 Co-product: 0.00 lbs/yr. CY2017 Co-product: 0.00 lbs/yr.
		- Isakalla Daari						
					QOP AP1041-3853;			TC AP1041-3895
	0.00		ng Cells & Pre	gnant/Barren lbs/hr	Tanks (S2.006 & S2.			EW Calle and P/P Tanka did not aparate, not yet constructed
Hg Svetom Doco		tpy nt - Mercury Reto			0.0000	0	0.0000	EW Cells and P/B Tanks did not operate, not yet constructed.
System Desc Hq	0.00	tpy	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4.004) lbs/hr	0.0000	0	0.0000	Mercury Retort did not operate, not yet constructed.
		nt - Carbon Rege				U	0.0000	
Hq	0.00	gal/yr		lbs/hr	0.0000	0	0.0000	Carbon Regeneration Kiln did not operate, not yet constructed.
		nace (S2.010/TU-	-	103/111	0.0000		0.0000	
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Melt Furnace did not operate, not yet constructed.
		aboratory (S2.006					0.0000	
Hg				2.10.0	0.6220		0.0000	Potential to emit (PTE) of 0.622 lbs/yr, not actual - see DM Tech. Review
		!	CY2017 F	acility Total:	0.0000		0.0000	CY2017 Co-product: 0.00 lbs/yr.
				acility Total:	0.6220		0.0000	CY2017 Co-product: X lbs/yr.
Source: Osa	ood Mining Com	pany, LLC (forme			FIN 0218; Class 2 A0	OOP AP1041		
		aboratory (DM3.0					2000, 1001 1	
Hg	,				0.0000		0.0000	Potential to emit (PTE) of 2.4156 lbs/yr, not actual - see DM Technical Review
		1	CY2013 F	acility Total:	2.4156		0.0000	CY2013 Co-product: 0.00 lbs/yr.
				acility Total:	2.4156	1	0.0000	CY2014 Co-product: 0.00 lbs/yr.
				acility Total:	2.4156	1	0.0000	CY2015 Co-product: 0.00 lbs/yr.
				acility Total:	0.0000	1	0.0000	CY2016 Co-product: 0.00 lbs/yr.
				acility Total:	0.0000	1	0.0000	CY2017 Co-product: X lbs/yr.

source: ron	ikin Springs, LLC	: FIN 0395; Class	s 2 AQOP AP <sup>.</sup>	1041-0482.03:	; MOPTC AP1041-27	726		
		aboratory (DM3.0			, <u></u>			
Hg				1 1	4.9200		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
			CY2010	Facility Total:	4.9200		0.0000	CY2010 Co-product: 0.00 lbs/yr.
				Facility Total:	4.9200	<b>-</b>	0.0000	CY2011 Co-product: 0.00 lbs/yr.
				Facility Total:	4.9200		0.0000	CY2012 Co-product: 0.00 lbs/yr.
				Facility Total:	4.9200		0.0000	CY2013 Co-product: 0.00 lbs/yr.
				Facility Total:	4.9200		0.0000	CY2014 Co-product: 0.00 lbs/yr.
				Facility Total:	4.9200		0.0000	CY2015 Co-product: 0.00 lbs/yr.
				Facility Total:	4.9200		0.0000	CY2016 Co-product: 0.00 lbs/yr.
				acility Total:	4.9200		0.0000	CY2017 Co-product: X lbs/yr.
Source: Mt. I	Hamiltion, LLC:	FIN 1723; OPTC	AP1041-3500	; MOPTC AP1	1041-3520			
System Desc	cription: Mercury	Retort (S2.003/T	U4.001)					
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Mercury Retort did not operate, not yet constructed.
System Desc	cription: ADR Pla	ant: Carbon Kiln (	S2.004B/TU4	.002)				
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Carbon Regeneration Kiln did not operate, not yet constructed.
System Desc	cription: ADR Pla	ant: Smelting Furr	nace (S2.005/	TU4.003)				
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Smelting Furnace did not operate, not yet constructed.
System Desc		ant: Electro-winnii	ng Cells and F	P/B Tanks (S2.	.006 - S2.010/TU4.00	04 - TU4.008)		
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	EW Cells and P/B Tanks did not operate, not yet constructed.
System Desc	cription: Mercury	Co-Product						
Hg					0.0000		0.0000	Facility-wide mercury co-product collected - Retort.
System Desc	cription: Assay L	aboratory (S2.018	3 - S2.023/DM	13.001 - DM3.0	014)			
Hg					0.0000		0.0000	Potential to emit (PTE) of 4.11 lbs/yr, not actual - see DM Technical Review.
	•	•	CY2015	Facility Total:	0.0000		0.0000	CY2015 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0000		0.0000	CY2016 Co-product: 0.00 lbs/yr.
			CY2017 F	acility Total:	0.0000		0.0000	CY2017 Co-product: X lbs/yr.
Source: WK	Mining (USA) L	TD.: FIN 1915; AG	QOP Class 2 /	AP1041-3670;	OPTC AP1041-3668	8; MOPTC AP	1041-3669	
System Desc	arintion: ADD DL							
	JIPLION. ADR Pla	ant: Mercury Reto	ort (S2.003/10	J4.001)				
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Mercury Retort did not operate, not yet constructed.
	0.00		0	lbs/hr	0.0000	0	0.0000	Mercury Retort did not operate, not yet constructed.
System Desc Hg	0.00 cription: ADR Pla 0.00	tpy ant: Smelting Furr tpy	0 nace (S2.004/ 0	lbs/hr TU4.002) lbs/hr	0.0000	0	0.0000	Mercury Retort did not operate, not yet constructed. Smelting Furnace did not operate, not yet constructed.
System Desc Hg	0.00 cription: ADR Pla 0.00	tpy ant: Smelting Furr	0 nace (S2.004/ 0	lbs/hr TU4.002) lbs/hr	0.0000			
System Desc Hg System Desc Hg	0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy	0 nace (S2.004/ 0 eneration Kiln ( 0	lbs/hr TU4.002) lbs/hr (S2.005/TU4.0 lbs/hr	0.0000 003) 0.0000	0		
System Desc Hg System Desc Hg	0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy	0 nace (S2.004/ 0 eneration Kiln ( 0	lbs/hr TU4.002) lbs/hr (S2.005/TU4.0 lbs/hr	0.0000	0	0.0000	Smelting Furnace did not operate, not yet constructed.
System Desc Hg System Desc Hg System Desc Hg	0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy ant: Electro-winnin tpy	0 nace (S2.004/ 0 eneration Kiln ( 0	lbs/hr TU4.002) lbs/hr (S2.005/TU4.0 lbs/hr	0.0000 003) 0.0000	0	0.0000	Smelting Furnace did not operate, not yet constructed.
System Desc Hg System Desc Hg System Desc Hg	0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy ant: Electro-winnin tpy	0 nace (S2.004/ 0 eneration Kiln ( 0 ng Cells and F	Ibs/hr TU4.002) Ibs/hr (S2.005/TU4.0 Ibs/hr P/B Tanks (S2.	0.0000 003) 0.0000 .006 - S2.009/TU4.00	0 0 04 - TU4.007)	0.0000	Smelting Furnace did not operate, not yet constructed.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg	0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: Mercury	tpy ant: Smelting Furn tpy ant: Carbon Rege tpy ant: Electro-winnin tpy / Co-Product	0 nace (S2.004/ 0 eneration Kiln ( 0 ng Cells and F 0	lbs/hr TU4.002) lbs/hr (S2.005/TU4.0 lbs/hr P/B Tanks (S2. lbs/hr	0.0000 003) 0.0000 .006 - S2.009/TU4.00	0 0 04 - TU4.007)	0.0000	Smelting Furnace did not operate, not yet constructed.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg	0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: Mercury	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy ant: Electro-winnin tpy	0 nace (S2.004/ 0 eneration Kiln ( 0 ng Cells and F 0	lbs/hr TU4.002) lbs/hr (S2.005/TU4.0 lbs/hr P/B Tanks (S2. lbs/hr	0.0000 003) 0.0000 0.006 - \$2.009/TU4.00 0.0000	0 0 04 - TU4.007)	0.0000	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg	0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: Mercury	tpy ant: Smelting Furn tpy ant: Carbon Rege tpy ant: Electro-winnin tpy / Co-Product	0 nace (S2.004/ 0 eneration Kiln ( 0 ng Cells and F 0	lbs/hr TU4.002) lbs/hr (S2.005/TU4.0 lbs/hr P/B Tanks (S2. lbs/hr	0.0000 003) 0.0000 0.006 - \$2.009/TU4.00 0.0000	0 0 04 - TU4.007)	0.0000	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc	0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: Mercury	tpy ant: Smelting Furn tpy ant: Carbon Rege tpy ant: Electro-winnin tpy / Co-Product	0 nace (S2.004/ 0 neration Kiln ( 0 ng Cells and F 0	lbs/hr TU4.002) lbs/hr (S2.005/TU4.0 lbs/hr P/B Tanks (S2. lbs/hr	0.0000 003) 0.006 - \$2.009/TU4.00 0.0000 0.0000	0 0 04 - TU4.007)	0.0000 0.0000 0.0000 0.0000	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.         CY2016 Co-product: 0.00 lbs/yr.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg	0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: Mercury cription: De Mini	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy ant: Electro-winnin tpy Co-Product mis Designation (I	0 nace (S2.004/ 0 eneration Kiln ( 0 ng Cells and F 0 No units listed CY2016 CY2017 F.	Ibs/hr       TU4.002)       Ibs/hr       (S2.005/TU4.0)       Ibs/hr       7/B Tanks (S2.       Ibs/hr       /B Tanks (S2.       Ibs/hr	0.0000 003) 0.0000 52.009/TU4.00 0.0000 0.0000 0.0000 0.0000 0.0000	0 04 - TU4.007) 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc	0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: Mercury cription: De Mini	tpy ant: Smelting Furn tpy ant: Carbon Rege tpy ant: Electro-winnin tpy co-Product mis Designation (I	0 nace (S2.004/ 0 eneration Kiln ( 0 ng Cells and F 0 No units listed CY2016 CY2017 F s 2 AQOP AP	lbs/hr           TU4.002)           lbs/hr           (S2.005/TU4.C)           /B Tanks (S2.           /B Tanks (S2.	0.0000 003) 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 PTC AP1041-3800; I	0 04 - TU4.007) 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 41-3801	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.         CY2016 Co-product: 0.00 lbs/yr.         CY2017 Co-product: X lbs/yr.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc	0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: Mercury cription: De Mini	tpy ant: Smelting Furn tpy ant: Carbon Rege tpy ant: Electro-winnin tpy co-Product mis Designation (I	0 nace (S2.004/ 0 eneration Kiln ( 0 ng Cells and F 0 No units listed CY2016 CY2017 F s 2 AQOP AP	lbs/hr           TU4.002)           lbs/hr           (S2.005/TU4.C)           /B Tanks (S2.           /B Tanks (S2.	0.0000 003) 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 PTC AP1041-3800; I	0 04 - TU4.007) 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 41-3801	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.         CY2016 Co-product: 0.00 lbs/yr.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg Source: McE System Desc Hg	0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: Mercury cription: Mercury cription: De Mini Ewen Mining, Inc cription: ADR Pla 0.00	tpy ant: Smelting Furn tpy ant: Carbon Rege tpy ant: Electro-winnin tpy Co-Product mis Designation (I .: FIN 2005; Class ant: Carbon Rege tpy	0 nace (S2.004/ 0 meration Kiln ( 0 ng Cells and F 0 No units listed CY2016 CY2016 S 2 AQOP AP meration Kiln, 0 0	Ibs/hr         TU4.002)         Ibs/hr         S2.005/TU4.0         Ibs/hr         P/B Tanks (S2.         Ibs/hr         Facility Total:         acility Total:         1041-3799; O         Electro-winnir         Ibs/hr	0.0000 003) 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 PTC AP1041-3800; I	0 04 - TU4.007) 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 41-3801	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.         CY2016 Co-product: 0.00 lbs/yr.         CY2017 Co-product: X lbs/yr.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg Source: McE System Desc Hg	0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: ADR Pla 0.00 cription: Mercury cription: Mercury cription: De Mini Ewen Mining, Inc cription: ADR Pla 0.00	tpy ant: Smelting Furn tpy ant: Carbon Rege tpy ant: Electro-winnin tpy co-Product mis Designation (I .: FIN 2005; Class ant: Carbon Rege	0 nace (S2.004/ 0 meration Kiln ( 0 ng Cells and F 0 No units listed CY2016 CY2016 S 2 AQOP AP meration Kiln, 0 0	Ibs/hr         TU4.002)         Ibs/hr         S2.005/TU4.0         Ibs/hr         P/B Tanks (S2.         Ibs/hr         Facility Total:         acility Total:         1041-3799; O         Electro-winnir         Ibs/hr	0.0000 003) 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 PTC AP1041-3800; I ng Cells, and Eluant (	0 04 - TU4.007) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 41-3801 ren Tanks (S	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.         CY2016 Co-product: 0.00 lbs/yr.         CY2017 Co-product: X lbs/yr.         S2.002 - S2.006/TU4.001 - TU4.005)
System Desc Hg System Desc Hg System Desc Hg System Desc Hg Source: McE System Desc Hg System Desc Hg	O.00      cription: ADR Pla     O.00      cription: ADR Pla     O.00      cription: ADR Pla     O.00      cription: ADR Pla     O.00      cription: De Mini     Cription: De Mini     Cription: ADR Pla     O.00      O.00      O	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy ant: Electro-winnin tpy co-Product .: FIN 2005; Class ant: Carbon Rege tpy ant: Mercury Reto toy	0 nace (S2.004/ 0 eneration Kiln ( 0 ng Cells and F 0 No units listed CY2017 F s 2 AQOP AP eneration Kiln, 0 0 tr (S2.007/TU 0 0	Ibs/hr TU4.002) Ibs/hr (S2.005/TU4.0 B/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 1041-3799; O Electro-winnir Ibs/hr J4.006) Ibs/hr	0.0000 003) 0.000 - \$2.009/TU4.00 0.0000 0.0000 0.0000 0.0000 PTC AP1041-3800; 1 ng Cells, and Eluant ( 0.0000 0.0000	0 04 - TU4.007) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 41-3801 ren Tanks (S	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.         CY2016 Co-product: 0.00 lbs/yr.         CY2017 Co-product: X lbs/yr.         S2.002 - S2.006/TU4.001 - TU4.005)
System Desc Hg System Desc Hg System Desc Hg System Desc Hg Source: McE System Desc Hg System Desc Hg	O.00      cription: ADR Pla     O.00      cription: ADR Pla     O.00      cription: ADR Pla     O.00      cription: ADR Pla     O.00      cription: De Mini     Cription: De Mini     Cription: ADR Pla     O.00      O.00      O	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy ant: Electro-winnin tpy Co-Product mis Designation (I .: FIN 2005; Class ant: Carbon Rege tpy ant: Mercury Reto	0 nace (S2.004/ 0 eneration Kiln ( 0 ng Cells and F 0 No units listed CY2017 F s 2 AQOP AP eneration Kiln, 0 0 tr (S2.007/TU 0 0	Ibs/hr TU4.002) Ibs/hr (S2.005/TU4.0 B/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 1041-3799; O Electro-winnir Ibs/hr J4.006) Ibs/hr	0.0000 003) 0.000 - \$2.009/TU4.00 0.0000 0.0000 0.0000 0.0000 PTC AP1041-3800; 1 ng Cells, and Eluant ( 0.0000 0.0000	0 04 - TU4.007) 0 0 0 0 0 0 0 0 0 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 41-3801 ren Tanks (S 0.0000	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.         CY2016 Co-product: 0.00 lbs/yr.         CY2017 Co-product: X lbs/yr.         St2.006/TU4.001 - TU4.005)         Thermal Units did not operate, not yet constructed.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg	0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: De Mini     cription: De Mini     cription: ADR Pla     0.00 cription: ADR Pla	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy ant: Electro-winnin tpy co-Product mis Designation (I .: FIN 2005; Class ant: Carbon Rege tpy ant: Mercury Reto tpy ant: Refinery Furr tpy tpy	0 nace (S2.004/ 0 eneration Kiln ( 0 ng Cells and F 0 No units listed CY2017 F s 2 AQOP AP eneration Kiln, 0 0 tr (S2.007/TU 0 0	Ibs/hr TU4.002) Ibs/hr (S2.005/TU4.0 B/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 7/B Tanks (S2. Ibs/hr 1041-3799; O Electro-winnir Ibs/hr J4.006) Ibs/hr	0.0000 003) 0.000 - \$2.009/TU4.00 0.0000 0.0000 0.0000 0.0000 PTC AP1041-3800; 1 ng Cells, and Eluant ( 0.0000 0.0000	0 04 - TU4.007) 0 0 0 0 0 0 0 0 0 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 41-3801 ren Tanks (S 0.0000	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.         CY2016 Co-product: 0.00 lbs/yr.         CY2017 Co-product: X lbs/yr.         St2.006/TU4.001 - TU4.005)         Thermal Units did not operate, not yet constructed.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg	0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: De Mini     cription: De Mini     cription: ADR Pla     0.00 cription: ADR Pla	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy ant: Electro-winnin tpy co-Product mis Designation (I .: FIN 2005; Class ant: Carbon Rege tpy ant: Mercury Reto tpy ant: Refinery Furr tpy tpy	0 nace (S2.004/ 0 eneration Kiln ( 0 ng Cells and F 0 No units listed CY2017 F s 2 AQOP AP eneration Kiln, 0 ort (S2.007/TU 0 nace (S2.008A	Ibs/hr TU4.002) Ibs/hr (S2.005/TU4.0 B/B Tanks (S2. Ibs/hr Facility Total: acility Total: 1041-3799; O Electro-winnir Ibs/hr J4.006) Ibs/hr A& S2.008B/T	0.0000 003) 0.000 - \$2.009/TU4.00 0.0000 0.0000 0.0000 0.0000 PTC AP1041-3800; 1 ng Cells, and Eluant ( 0.0000 0.0000 U4.007)	0 04 - TU4.007) 0 0 0 0 0 0 0 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 41-3801 ren Tanks (S 0.0000	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.         CY2016 Co-product: 0.00 lbs/yr.         CY2017 Co-product: X lbs/yr.         S2.002 - S2.006/TU4.001 - TU4.005)         Thermal Units did not operate, not yet constructed.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg	0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: De Mini     cription: De Mini     cription: ADR Pla     0.00 cription: ADR Pla	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy ant: Electro-winnin tpy co-Product mis Designation (I .: FIN 2005; Class ant: Carbon Rege tpy ant: Mercury Reto tpy ant: Refinery Furr tpy tpy	0 nace (S2.004/ 0 eneration Kiln ( 0 ng Cells and F 0 No units listed CY2017 F s 2 AQOP AP eneration Kiln, 0 ort (S2.007/TU 0 nace (S2.008A	Ibs/hr TU4.002) Ibs/hr (S2.005/TU4.0 B/B Tanks (S2. Ibs/hr Facility Total: acility Total: 1041-3799; O Electro-winnir Ibs/hr J4.006) Ibs/hr A& S2.008B/T	0.0000 003) 0.000 - \$2.009/TU4.00 0.0000 0.0000 0.0000 0.0000 PTC AP1041-3800; 1 ng Cells, and Eluant ( 0.0000 0.0000 U4.007)	0 04 - TU4.007) 0 0 0 0 0 0 0 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 41-3801 ren Tanks (S 0.0000	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.         CY2016 Co-product: 0.00 lbs/yr.         CY2017 Co-product: X lbs/yr.         S2.002 - S2.006/TU4.001 - TU4.005)         Thermal Units did not operate, not yet constructed.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg	0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: Mercury cription: De Mini   Ewen Mining, Inc cription: ADR Pla     0.00 cription:	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy ant: Electro-winnin tpy co-Product mis Designation (I .: FIN 2005; Class ant: Carbon Rege tpy ant: Mercury Reto tpy ant: Refinery Furr tpy tpy	0 nace (S2.004/ 0 neration Kiln ( 0 ng Cells and F 0 No units listed CY2016 CY2017 Fr s 2 AQOP AP neration Kiln, 0 ort (S2.007/TU 0 nace (S2.008A 0	Ibs/hr         TU4.002)         Ibs/hr         S2.005/TU4.0         Ibs/hr         P/B Tanks (S2.         Ibs/hr	0.0000 003) 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 PTC AP1041-3800; I 1g Cells, and Eluant ( 0.0000 0.0000 U4.007) 0.0000	0 04 - TU4.007) 0 0 0 0 0 0 0 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 41-3801 ren Tanks (S 0.0000 0.0000	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.         CY2016 Co-product: 0.00 lbs/yr.         CY2017 Co-product: X lbs/yr.         S2.002 - S2.006/TU4.001 - TU4.005)         Thermal Units did not operate, not yet constructed.         Mercury Retort did not operate, not yet constructed.         Refinery Furnace did not operate, not yet constructed.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg	0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: Mercury cription: De Mini   Ewen Mining, Inc cription: ADR Pla     0.00 cription:	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy ant: Electro-winnin tpy co-Product mis Designation (I mis Designation (I FIN 2005; Clas: ant: Carbon Rege tpy ant: Mercury Reto tpy ant: Mercury Reto tpy ant: Refinery Furr tpy co-Product	0 nace (S2.004/ 0 neration Kiln ( 0 ng Cells and F 0 No units listed CY2016 CY2017 Fr s 2 AQOP AP neration Kiln, 0 ort (S2.007/TU 0 nace (S2.008A 0	Ibs/hr         TU4.002)         Ibs/hr         S2.005/TU4.0         Ibs/hr         P/B Tanks (S2.         Ibs/hr	0.0000 003) 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 PTC AP1041-3800; I 1g Cells, and Eluant ( 0.0000 0.0000 U4.007) 0.0000	0 04 - TU4.007) 0 0 0 0 0 0 0 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 41-3801 ren Tanks (S 0.0000 0.0000	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.         CY2016 Co-product: 0.00 lbs/yr.         CY2017 Co-product: X lbs/yr.         S2.002 - S2.006/TU4.001 - TU4.005)         Thermal Units did not operate, not yet constructed.         Mercury Retort did not operate, not yet constructed.         Refinery Furnace did not operate, not yet constructed.
System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg	0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: ADR Pla     0.00 cription: Mercury cription: De Mini   Ewen Mining, Inc cription: ADR Pla     0.00 cription:	tpy ant: Smelting Furr tpy ant: Carbon Rege tpy ant: Electro-winnin tpy co-Product mis Designation (I mis Designation (I FIN 2005; Clas: ant: Carbon Rege tpy ant: Mercury Reto tpy ant: Mercury Reto tpy ant: Refinery Furr tpy co-Product	0 nace (S2.004/ 0 eneration Kiln ( 0 ng Cells and F 0 No units listed CY2016 CY2017 F s 2 AQOP AP eneration Kiln, 0 rt (S2.007/TU 0 nace (S2.008A 0 2 - S2.006/DM	Ibs/hr         TU4.002)         Ibs/hr         S2.005/TU4.0         Ibs/hr         P/B Tanks (S2.         Ibs/hr	0.0000 003) 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 PTC AP1041-3800; I ng Cells, and Eluant ( 0.0000 0.0000 U4.007) 0.0000 0.0000 0.0000 0.0000	0 04 - TU4.007) 0 0 0 0 0 0 0 0	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 41-3801 ren Tanks (S 0.0000 0.0000 0.0000	Smelting Furnace did not operate, not yet constructed.         Smelting Furnace did not operate, not yet constructed.         EW Cells and P/B Tanks did not operate, not yet constructed.         Facility-wide mercury co-product collected.         No DM Designation currently issued.         CY2016 Co-product: 0.00 lbs/yr.         CY2017 Co-product: X lbs/yr.         St. 2002 - S2.006/TU4.001 - TU4.005)         Thermal Units did not operate, not yet constructed.         Mercury Retort did not operate, not yet constructed.         Refinery Furnace did not operate, not yet constructed.         Facility-wide mercury co-product collected.

Osumes, Osumetesk Miniser, LLO (fermank, Dhu	Mining Operations 11.0% FIN 0404, OPTO AD40	44.0704 . MO		0000
	m Mining Company, LLC): FIN 0404; OPTC AP10	41-2761; MO	PTC APT041	-2690
System Description: Mercury Retort (S2.025/				
Hg 0.00 tpy	0 lbs/hr 0.0000	0	0.0000	Retort did not operate in 2017.
System Description: Refinery Furnace (S2.02				
Hg 0.00 tpy	0 lbs/hr 0.0000	0	0.0000	Furnace did not operate in 2017.
System Description: Mercury Co-Product	1 1 1			
Hg	0.0000		0.0000	Facility-wide mercury co-product collected - Retort.
System Description: Assay Laboratory (DM3.)			-	
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 Facility Total: 0.2257		0.0000	CY2015 Co-product: 0.00 lbs/yr.
	CY2016 Facility Total: 0.2284		0.0000	CY2016 Co-product: 0.00 lbs/yr.
	CY2017 Facility Total: 0.0309		0.0000	CY2017 Co-product: 0.00 lbs/yr.
Source: Mineral Ridge Gold, LLC: FIN 0398;	Class 2 AQOP AP1041-2733; MOPTC AP1041-22	222		
System Description: Assay Laboratory (DM3.)	001 - DM3.011)			
Hg	2.9851		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
	CY2011 Facility Total: 2.1256		0.0000	CY2011 Co-product: 0.00 lbs/yr.
	CY2012 Facility Total: 2.1256		0.0000	CY2012 Co-product: 0.00 lbs/yr.
	CY2013 Facility Total: 2.9851		0.0000	CY2013 Co-product: 0.00 lbs/yr.
	CY2014 Facility Total: 2.9851		0.0000	CY2014 Co-product: 0.00 lbs/yr.
	CY2015 Facility Total: 2.9851		0.0000	CY2015 Co-product: 0.00 lbs/yr.
	CY2016 Facility Total: 2.9851		0.0000	CY2016 Co-product: 0.00 lbs/yr.
	CY2017 Facility Total: 2.9851		0.0000	CY2017 Co-product: X lbs/yr.
Source: Goldwedge, LLC - Goldwedge Mine (	(formerly Manhattan Mining Company): FIN 0373;	Class 2 AQC	OP AP1041-14	57; MOPTC AP1041-2303
System Description: Assay Laboratory & Dore	e Smelting Furnace (DM3.002 - DM3.007)			
Hg	0.3624		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
· · ·	CY2006 Facility Total: 0.0000		0.0000	CY2006 Co-product: 0.00 lbs/yr.
	CY2007 Facility Total: 4.1040		0.0000	CY2007 Co-product: 0.00 lbs/yr.
	CY2008 Facility Total: 4.1040		0.0000	CY2008 Co-product: 0.00 lbs/yr.
	CY2009 Facility Total: 4.1040		0.0000	CY2009 Co-product: 0.00 lbs/yr.
	CY2010 Facility Total: 4.1040	1	0.0000	CY2010 Co-product: 0.00 lbs/yr.
	CY2011 Facility Total: 4.1040	1	0.0000	CY2011 Co-product: 0.00 lbs/yr.
	CY2012 Facility Total: 4.4661	1	0.0000	CY2012 Co-product: 0.00 lbs/yr.
	CY2013 Facility Total: 4.4661		0.0000	CY2013 Co-product: 0.00 lbs/yr.
	CY2014 Facility Total: 4.4661	1	0.0000	CY2014 Co-product: 0.00 lbs/yr.
	CY2015 Facility Total: 0.3624		0.0000	CY2015 Co-product: 0.00 lbs/yr.
	CY2016 Facility Total: 0.3624		0.0000	CY2016 Co-product: 0.00 lbs/yr.
	CY2017 Facility Total: 0.3624		0.0000	CY2017 Co-product: 0.00 lbs/yr.

					AQOP AP1041-0220	.03; MOPTC	AP1041-2247	
	cription: Electric			/				
Hg ystem Deso	1,600.00 cription: Mercury	tpy Retort (S2.014/T	0.0000335 U4.002)	lbs/hr	0.0893	2,666	0.0000	Carbon Kiln emissions factor derived from 2017 M29 stack test.
Hg	15.00	tpy	0.00000206	lbs/hr	0.0019	930	0.0000	Retort emissions factor derived from July 2017 M29 stack test.
stem Des	cription: Mercury	Co-Product				•		
Hq					0.0000		0.0140	Facility-wide mercury co-product collected - Retort.
	cription: Pregnan	t & Barron Tanks	Electro-winn	ing Cells Drv		nite SXFW		Metallurgical Lab DM status pending determination. (S2.014/DM3.001 - DM3.018)
Hg	chption. Tregnan			ing Cells, Dry	0.5773		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
пg			0)/0000	Ta silita a Tata la				
				Facility Total:	2.3061		0.0000	CY2006 Co-product: 0.00 lbs/yr.
				Facility Total:	0.4579	_	0.0000	CY2007 Co-product: 0.00 lbs/yr.
				Facility Total:	0.8053		0.0000	CY2008 Co-product: 0.00 lbs/yr.
				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.
				Facility Total:	0.5799	1	0.0000	CY2014 Co-product: 0.00 lbs/yr.
				Facility Total:	0.5814	1	0.0000	CY2015 Co-product: 0.00 lbs/yr.
				Facility Total:	0.6238	1	0.0000	CY2016 Co-product: 19 lbs/yr.
				acility Total:	0.6685		0.0000	CY2017 Co-product: 19 lbs/yr.
uroot D-	wiels Coldetailse M							,
					-0739.02; OPTC AP1			
					Grinding Process (S2.			
Hg	2,681,170.00	tpy	0.00256	lbs/hr	21.53216	8,411	0.0000	Mill Circuit #1 emissions factor derived from 2017 M29 stack test.
stem Dese	cription: South R	oaster Mill Circuit		eater and Dry	Grinding Process (S2	.206 & S2.20	07.01 - S2.207	
Hg	2,859,972.00	tpy	0.00244	lbs/hr	20.40084	8,361	0.0000	Mill Circuit #2 emissions factor derived from 2017 M29 stack test.
stem Des	cription: Roasters	s #1 & #2 (S2.209	0.1 & S2.209.2	2/TU4.003 & T	U4.004)	-		
								Roaster Circuit emissions factor derived from 2017 M29 stack test.
								Testing was conducted during dual Roaster operations. Annual hours operated
								is the average of individual Roaster operations. Roaster #1 operated 7,882
Hg	5,775,338.00	tpy	0.00848	lbs/hr	66.8648	7,885	0.0000	hrs/yr, Roaster #2 operated 7,888 hrs/yr.
stem Des	cription: North Ro	baster Circuit #1 (	Quenching Pro	ocess (S2.210	)/TU4.005)			·
Hg	2,958,096.00	tpy	0.00289	lbs/hr	22.77898	7,882	0.0000	Quench Circuit #1 emissions factor derived from 2017 M29 stack test.
	cription: South R		Quenching Pr	ocess (S2 21)			1	
Hg	2,775,580.00	tpy	0.00193	lbs/hr	15.22384	7,888	0.0000	Quench Circuit #2 emissions factor derived from 2017 M29 stack test.
	cription: Analytica				10.22001	1,000	0.0000	
Hq	40.00	tpy	0.000193	lbs/hr	1.6901	8,757	0.0000	Assay Lab emissions factor derived from 2017 M29 satck test.
	cription: Carbon				1.0301	0,737	0.0000	
		1		,	0.4444	5 000	0.0000	Or the set Kills remain in the stars desired from CO17 MOD stars baset
Hg	5,484.00	tpy	0.0000222	lbs/hr	0.1111	5,006	0.0000	Carbon Kiln emissions factor derived from 2017 M29 stack test.
					2.004.1/TU4.009 & T	1		
Hg	Not Reported	gals/yr	0	lbs/hr	0.0000	0	0.0000	P/B Tanks A emissions reported in conjunction with Carbon Reactivation Kiln.
stem Dese		t & Barren Strip S	Solution Tanks	- Circuit B (S	2.004.1/TU4.010 & T	U4.012)		
Hg	Not Reported	gals/yr	0	lbs/hr	0.0000	0	0.0000	P/B Tanks B emissions reported in conjunction with Carbon Reactivation Kiln.
stem Des	cription: Autoclav	e #1 (S2.015/TU	4.013)			Acidic	Operation	
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Autoclave #1 did not operate in 2017.
	cription: Autoclav					-	Operation	
200		00 #2 0 0 (02:01				7 101010	oporation	Autoclaves #2 & 3 emissions factor derived from 2017 M29 stack tests.
								Testing was conducted during dual Autoclave operations. Annual hours
						1		
						1		operated is the average of individual Autoclave operations. Autoclave #2
	1 050 500 05				<b></b>	7		operated 7,739 hrs/yr, Autoclave #3 operated 8,230 hrs/yr.
Hg	1,958,500.00	tpy	0.00064	lbs/hr	5.1104	7,985	0.0000	
stem Dese	cription: Autoclav	es #4 - 6 (S2.018	3 - S2.020/TU4	4.016 - TU4.0	18))	Acidic	Operation	
						1		Annual Emissions Reporting Form does not specify under which operating
						1		scenario testing was conducted, or whether dual scenario operations were
						1		undertaken. Therefore, all hours, throughput, and emissions are reported under
						1		Alkaline mode.
		tpy	0	lbs/hr	0.0000	0	0.0000	
На	0.00	رب <sup>2</sup>					e Operation	
Hg	0.00	00 #4 - 6 (00 010		010 - 104.0	10)	Airailite	operation	
	0.00 cription: Autoclav	es #4 - 6 (S2.018	02.020/10					Autoplayan #4 Completions feater design of from 0047 M00 starts to the
		es #4 - 6 (S2.018						Autoclaves #4 - 6 emissions factor derived from 2017 M29 stack test.
		es #4 - 6 (S2.018						Testing was conducted during simultaneous operations. Annual hours operated
		es #4 - 6 (S2.018						Testing was conducted during simultaneous operations. Annual hours operated is the average of individual Autoclave operations. Autoclave #4 operated
		es #4 - 6 (S2.018	0.0000612		0.4427	7,234	0.0000	Testing was conducted during simultaneous operations. Annual hours operated

System Desc	cription: Mercury	Retort #1 (S2 00	9/TU4 019)					
Ha	48.00	tpy	8.77E-07	lbs/hr	0.0031	3.506	0.0000	Retort #1 emissions factor derived from 2017 M29 stack test.
	cription: Mercury					-,		
Hq	53.00	tpy	0.00000101	lbs/hr	0.0036	3,603	0.0000	Retort#2 emissions factor derived from 2017 M29 stack test.
	cription: Mercury					-,		
Hg	49.00	tpy	4.66E-07	lbs/hr	0.0016	3,529	0.0000	Retort #3 emissions factor derived from 2017 M29 stack test.
	cription: Mercury		1/TU4.025)			,		
Ha	1.00	tpy	0.00000831	lbs/hr	0.0010	121	0.0000	Retort #4 emissions factor derived from 2017 M29 stack test.
System Desc	cription: East & W		naces & Electr	ro-winning Cel	lls combined vented t	hrough a cor	nmon carbon f	ilter and stack (S2.013 & S2.014/TU4.022 & TU4.023)
		··· · · <b>/</b> ·						Furnaces's/EW Cells emissions factor derived from 2017 M29 stack
								test. Testing was conducted during dual Furnace and EW Cell operations.
								Annual hours operated is the average of individual Furnace operations.
								East Furnace (TU4.022) operated 968 hrs/yr; West Furnace (TU4.023)
Ha	114.00	tpy	0.00287	lbs/hr	2.8987	1,010	0.0000	operated 1,051 hrs/yr.
	cription: Electro-w					.,		
		3 <b>,</b>		- /		[]		EW Cells emissions factor derived from 2017 M29 stack test while the
								Furnaces were not operating. Total EW Cell operating hours were 8,365
								hrs/yr. Combined Furnace/EW Cell operating hours of 1,010 hrs/yr. were
								subtracted from total hours operated to arrive at 7,355 hours of EW Cell
Ha	Not Reported	gals/yr	0.00169	lbs/hr	12.4300	7,355	0.0000	operations only.
					nks (S2.333.1 - S2.33			
eyetein 2000				jonoration rai		0.0/ 10010	a ! 0 !!02/)	RIL Elution Circuit Regeneration Tanks commenced operations 11/18/14.
Ha	Not Reported	gals/yr	0.0000241	lbs/hr	0.1829	7,590	0.0000	RIL Regen. Tanks emissions factor derived from March 2017 M29 stack test.
	cription: Resin-In-				ant/Barren Tanks (S2.			
-)				gine and a set of a gine				RIL EW Circuit & P/B Tanks commenced operations 11/24/14.
Hg	Not Reported	gals/yr	0.0003786	lbs/hr	3.3165	8,760	0.0000	RIL EW Circuit emissions factor derived from average of 2017 M29 stack tests.
	cription: Mercury					-,		
Ha			I I		0.0000		148.0100	Facility-wide mercury co-product collected, no breakout by system provided.
System Desc	cription: Assav. M	ill. Mill Met. Auto	clave. Autocla	ve Met and Ro	paster Pumphouse La	boratories.	Strip Circuit Are	ea and Ore Fines Fee System (S2.051.1/DM3.001 - DM3.079).
Hg	· · · · · · · · · · · · · · · · · · ·	,,			4.5800		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
	1 1		CY2006 F	acility Total:	616.7650		98.5500	CY2006 Co-product: 197,100 lbs/yr.
				acility Total:	708.6590		58.6300	CY2007 Co-product: 117,260 lbs/yr.
				acility Total:	166.0557		87.3300	CY2008 Co-product: 134,660 lbs/yr.
				acility Total:	369.7831		61.8730	CY2009 Co-product: 123,746 lbs/yr.
				acility Total:	266.9336		60.1080	CY2010 Co-product: 120,216 lbs/yr.
				acility Total:	630.5519		59.9200	CY2011 Co-product: 119,840 lbs/yr.
CY2012 Facility Total:		334.9836		44.4100	CY2012 Co-product: 88,820 lbs/yr.			
CY2013 Facility Total:			386.0257		50.6700	CY2013 Co-product: 111,708 lbs/yr.		
				acility Total:	227.3012		53.4000	CY2014 Co-product: 117,727 lbs/yr.
				acility Total:	273.8005		66.4800	CY2015 Co-product: 146,563 lbs/yr.
				acility Total:	271.8309		126.6000	CY2016 Co-product: 279,105 lbs/yr.
				,				
			CY2017 Fa	acility Total:	177.5724		148.0100	
				acility Total:	177.5724		126.6000 148.0100	CY2016 Co-product: 279,105 lbs/yr (reported in metric tons). No calomel //elemental breakout provided. CY's 2013-16 lbs/yr corrected to metric tons.

CY 2017 Cumulative Totals		Totals	CY 2017 process emissions were solely derived using one consistent
			FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed
<b>Process Emissions</b>		Co-Product	to ensure reporting accuracy.
(lbs/yr)		(tpy)	
707.10		186.56	Co-product: 403.406 lbs/yr (148.01 metric tons, 38.55 short tons)

CY 2016 Cumulative Totals			CY 2016 process emissions were solely derived using one consistent
			FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed
Process Emissions			to ensure reporting accuracy.
(lbs/yr)		(tpy)	
696.68		164.35	
			Co-product: 328,700 lbs/yr

CY 2015 Cumulative Totals		Totals	CY 2015 process emissions were solely derived using one consistent
Process Emissions			FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy.
(lbs/yr)		(tpy)	to ensure reporting accuracy.
688.12		131.17	Co-product: 262,340 lbs/yr

CY 2014 Cumulative Totals		Totals	CY 2014 process emissions were solely derived using one consistent
			FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed
Process Emissions			to ensure reporting accuracy.
(lbs/yr)		(tpy)	
484.21		145.12	Co-product: 290.240 lbs/yr

CY 2013 Cumulative Totals		otals	CY 2013 process emissions were solely derived using one consistent
			FRM testing methodology (Method 29). Testing protocols were reviewed
<b>-</b> - · ·			prior to test commencement and all final report submittals were reviewed
Process Emissions			to ensure reporting accuracy. In some instances, 2012 test results were used
(lbs/yr)		(tpy)	due to invalidated 2013 test results.
748.63		111.57	Co-product: 223,140 lbs/yr

CY 2012 Cumulative Totals		otals	CY 2012 process emissions were solely derived using one consistent
			FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed
Process Emissions			to ensure reporting accuracy.
(lbs/yr)		(tpy)	
1,393.42		115.95	
			Co-product: 231,900 lbs/yr

CY 2010 Cumulative Totals         CY 2011 process emissions were solely derived using one consistent           FRM testing methodology (Method 29).         Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed	
	ł
Process Emissions Co-Product to ensure reporting accuracy.	
(lbs/yr) (tpy)	
1,607.96 106.77	
Co-product: 213,540 lbs/yr	
CY 2010 Cumulative Totals CY 2010 process emissions were solely derived using one consistent	
FRM testing methodology (Method 29). Testing protocols were reviewed	
prior to test commencement and all final report submittals were reviewed	
Process Emissions Co-Product to ensure reporting accuracy.	
(lbs/yr) (tpy)	
1,134.15 101.59	
Co-product: 203,180 lbs/yr	
CY 2009 Cumulative Totals CY 2009 process emissions were solely derived using one consistent	
FRM testing methodology (Method 29). Testing protocols were reviewed	ł
prior to test commencement and all final report submittals were reviewed	
Process Emissions Co-Product to ensure reporting accuracy. In general, testing went much better in 200	
lbs/yr tpy than in 2008 with far fewer testing irregularities or instances where test	
results were invalidated.	
<b>1,336.46 90.18</b> Co-product: 180,360 lbs/yr	
CY 2008 Cumulative Totals 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	
Process Emissions Co-Product to ensure reporting accuracy. Some facilities had entire testing events,	
bs/yr tpy or in some cases just one or more runs of a test event, invalidated due to	C
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	
FRM testing methodology (Method 29) with scattered M101A and OHM	
Process Emissions Co-Product results used in lieu of M29 due to test schedule conflicts/logistics issues.	
Ibs/yr tpy Testing protocals were reviewed prior to test commencement and all fina	
report submittals were reviewed to ensure reporting accuracy.	
4,764.52 97.68 Co-product: 195,360 lbs/yr	
CY 2006 Cumulative Totals CY 2006 process emissions and co-product values were accepted	
Process Emissions Co-Product "as submitted" due to variability in testing methodology, emission	

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.