	Nevada Division of Environmental Protection									
						ı of Air Pollu				
								nissions from the Precious Metals Mining Industry		
		Cum	ulative Nevac	la Mercury Co	ontrol Program (NMCP): Mercury (Operating Permi	t 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	Factor Units	Emissions (lbs/yr)	Operated	(tons/yr)			
Source: Nev	urce: Newmont Mining Corporation - Twin Creeks Mine: AQOP AP1041-0723.02; MOPTC AP1041-2218 stem Description: Juniper Mill Electric Induction Furnace (S2.001/TU4.001 - 1 of 2, only one operates at a time)									
System Desc	cription: Juniper N	Vill Electric Induct	ion Furnace (S2.001/TU4.0	01 - 1 of 2, only one o	perates at a	time)			
Hg	59.39	tpy	0.000106	lbs/hr	0.0445	420	0.0000	Induction Furnace emissions factor derived from 2016 M29 stack test.		
System Desc	cription: Juniper N	Vill Electric Induct			.002 - 1 of 2, only one	operates at				
Hg	59.02	tpy	0.000168	lbs/hr	0.0699	416	0.0000	Induction Furnace emissions factor derived from 2016 M29 stack test.		
System Desc		Vill Carbon Kiln (S		03)						
Hg	4,244.18	tpy	0.000836	lbs/hr	6.2349	7,458	0.0000	Carbon Kiln emissions factor derived from 2016 M29 stack test.		
		Retort Circuit #1 (1				
Hg	47.81		0.00000793	lbs/hr	0.0251	3,170	0.0000	Retort #1 emissions factor derived from 2016 M29 stack test.		
		Retort Circuit #2 (,						
Hg	48.29		0.0000883	lbs/hr	0.0295	3,337	0.0000	Retort #2 emissions factor derived from 2016 M29 stack test.		
		I Autoclave #1 (S				1	1	1		
Hg	1,911.97	tpy	0.0000543	lbs/hr	0.4313	7,943	0.0000	Autoclave #1 emissions factor derived from 2016 M29 stack test.		
		I Autoclave #2 (Sa				1	1	1		
Hg	1,892.21	tpy	0.0000466	lbs/hr	0.3730	8,005	0.0000	Autoclave #2 emissions factor derived from 2016 M29 stack test.		
		vinning Cells (TU				1	1	1		
Hg	74.80	MMGals/yr	0.000388	lbs/hr	3.4082	8,784	0.0000	Electro-winning Cells emissions factor derived from 2016 M29 stack test.		
					TU4.006 - TU4.008)	1	1			
Hg	80.80	MMGals/yr	0.000142	lbs/hr	1.2465	8,778	0.0000	Preg./Barren Tanks emissions factor derived from 2016 M29 stack test.		
					U4.012 & TU4.013)					
Hg	89.42	MMGals/yr	0.00047	lbs/hr	4.1285	8,784	0.0000	Preg./Barren Tanks emissions factor derived from 2016 M29 stack test.		
	cription: Mercury	Co-Product	•			1	1			
Hg	L				0.0000			Facility-wide mercury co-product collected, no breakout by system provided.		
	cription: Laborato	ry Sample Prep. I	Room, Fire As	ssay Room, W		Prep. Room,		nstrumentation Room, Met Lab Room & Autoclave Room		
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		
				Facility Total:	929.9303			CY2007 Co-product: 26,432 lbs/yr.		
				Facility Total:	1,679.1864		8.8000	CY2008 Co-product: 17,600 lbs/yr.		
				Facility Total:	425.7559		5.9080	CY2009 Co-product: 11,816 lbs/yr.		
				Facility Total:	178.8392		5.4670	CY2010 Co-product: 10,934 lbs/yr.		
CY2011 Facility Total:				452.1731		3.9940	CY2011 Co-product: 7,988 lbs/yr.			
				Facility Total:	695.2002		4.6530	CY2012 Co-product: 9,308 lbs/yr.		
				Facility Total:	148.5169		7.7370	CY2013 Co-product: 15,474 lbs/yr.		
				Facility Total:	68.4077			CY2014 Co-product: 20,021 lbs/yr.		
				Facility Total:	20.2603		5.2900	CY2015 Co-product: 10,580 lbs/yr.		
			CY2016 F	acility Total:	19.9695		10.2200	CY2016 Co-product: 20,439 lbs/yr.		

Source: Jer	ritt Canvon Gold I	I.C Jerritt Canv	on Mine (form	erly Veris Go	ld USA_Inc /formerly ()ueenstake I	Reources LISA	, Inc.): AQOP AP1041-3422; MOPTC AP1041-2217	
					TU4.002A - West Roa				
Hq	601,381.00	tpy	0.005945	lbs/hr	40.1823	6,759	0.0000	Roaster emissions factor derived from 2016 M29 stack test.	
System Desc	cription: East Roa	ster Process (S2	.032 & S2.034	I/TU4.003 & T	FU4.003A - East Roas	ter & East Q	uench Tank)		
Hg	630,079.00	tpy	0.009194	lbs/hr	64.3304	6,997	0.0000	Roaster emissions factor derived from 2016 M29 stack test.	
System Desc	System Description: Ore Dryer (S2.022/TU4.001)								
Hg	1,243,186.00	tpy	0.001453	lbs/hr	8.3853	5,771	0.0000	Ore Dryer emissions factor derived from 2016 M29 stack test.	
System Desc	cription: Mercury I	Retort (S2.039.1/	TU4.008)						
Hg	16.00	tpy	0.000396	lbs/hr	0.5702	1,440	0.0000	Retort emissions factor derived from 2016 M29 stack test.	
System Desc	cription: Refining	Process Induction		.039.2/TU4.0					
Hg	8.00	tpy	0.0019	lbs/hr	0.2470	130	0.0000	Furnace emissions factor derived from 2016 M29 stack test.	
		, i			n Tanks (S2.038.1 - S				
Hg	350,400.00	gal/yr	0.001848	lbs/hr	16.1885	8,760	0.0000	EW Cells and P/B Tanks emissions factor derived from 2016 M29 stack test.	
	cription: Mercury	Co-Product							
Hg					0.0000		4.4500	Facility-wide mercury co-product collected, no breakout by system provided.	
	cription: Laborato	ry Units Including	Large Ore Dr	ying Ovens (S	5 Units) and Electro-wi	nning Cells			
Hg					4.2726		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.	
				Facility Total:			2.9600	CY2006 Co-product: 5,920 lbs/yr.	
				Facility Total:	1,966.3934		1.0200	CY2007 Co-product: 2,040 lbs/yr.	
				Facility Total:			0.7100	CY2008 Co-product: 1,420 lbs/yr.	
				Facility Total:			2.1000	CY2009 Co-product: 4,200 lbs/yr.	
				-acility Total:	34.9527		11.0380	CY2010 Co-product: 22,076 lbs/yr.	
				acility Total:	69.8714		0.0000	CY2011 Co-product: 0.00 lbs/yr.	
				Facility Total:	29.8595		1.5200	CY2012 Co-product: 3,040 lbs/yr.	
				acility Total:	26.6023		2.5600	CY2013 Co-product: 5,120 lbs/yr.	
				acility Total:	13.4934		3.9820	CY2014 Co-product: 7,964 lbs/yr.	
				Facility Total:	97.0995		5.3400	CY2015 Co-product: 10,675 lbs/yr.	
			CY2016 F	acility Total:	134.1763		4.4500	CY2016 Co-product: 8,900 lbs/yr.	

Source: Ne	Source: Newmont Mining Corporation - Gold Quarry: AQOP AP1041-0793; MOPTC AP1041-2219								
					er: S2.120/TU4.001)	10			
Ha	3.489.662.00	tpy	0.000674	lbs/hr	5.0105	7,434	0.0000	Static Seperator emissions factor derived from 2016 M29 stack test.	
3	-))				129/ TU4.002 & TU4.00		0.0000		
Ha	3,346,567.70	tpy	0.002135	lbs/hr	16.4246	7,693	0.0000	Ore Preheater's emissions factor derived from average of 2016 M29 stack tests.	
3					5/TU4.004 & TU4.005)		0.0000	Tore Freneater's emissions factor derived from average of 2010 M29 stack tests.	
Hq	3,346,567.70	tpy	0.00027	lbs/hr	2.0771	7,693	0.0000	Ore Roaster's factor derived from 2016 M29 stack test.	
					59/TU4.006 - TU4.009)		0.0000	Ore hodster's lactor derived from 2010 M29 stack test.	
Hq	1,717,712.00		0.00633	lbs/hr	48.6967	7,693	0.0000	North Quench Circuit emissions factor derived from 2016 M29 stack test.	
		tpy			48.6967 61/TU4.010 - TU4.013		0.0000	North Quench Circuit emissions factor derived from 2016 Mi29 stack test.	
							0.0000	Courts Oversch Olizavit antipalizer factor darius of farms 0010 M00 stability at	
Hg Oursteam Dara	1,628,856.00	tpy	0.004167	lbs/hr	31.5692	7,576	0.0000	South Quench Circuit emissions factor derived from 2016 M29 stack test.	
	scription: AARL Car					0.400	0.0000		
Hg	14,821.50	tpy	0.000152	lbs/hr	1.2910	8,493	0.0000	Pergnant Strip Tanks emissions factor derived from 2016 M29 stack test.	
	scription: Refinery E								
Hg	41,827,177.00	gals/yr	0.000592	lbs/hr	4.5384	7,666	0.0000	Barren Tank/EW Cells emissions factor derived from 2016 M29 stack test.	
	scription: Refinery N								
Hg	N/A	tpy	0	lbs/hr	0.0000	0	0.0000	Units were decommissioned in May, 2012.	
System Des		efinery Induction		2.047 - S2.049	9/TU4.024 - TU4.026)				
Hg	76.80	tpy	0.00882	lbs/hr	4.1895	475	0.0000	Induction Furnace emissions factor derived from 2016 M29 stack test.	
System Des	scription: Carbon Ki	In #1 (Zadra Bu							
Hg	7,922.00	tpy	0.00118	lbs/hr	9.7100	8,229	0.0000	Kiln Scrubber Stack emissions factor derived from 2016 M29 stack test.	
System Des	scription: Carbon Ki	In #2 (AARL Bu	ilding) Scrubb	er Stack (S2.	058?TU4.028)				
Hg	7,168.00	tpy	0.00104	lbs/hr	7.6977	7,402	0.0000	Kiln Scrubber Stack emissions factor derived from 2016 M29 stack test.	
System Des	scription: Refinery N	Aercury Retort C	Circuit #1 (S2.2	25/TU4.029)					
Ha	13.90	tpy	6.05E-08	lbs/hr	0.0000	785	0.0000	Retort Circuit #1 emissions factor derived from 2016 M29 stack test.	
3	scription: Refinery N								
Ha	20.30	tpy	6.83E-08	lbs/hr	0.0001	1,009	0.0000	Retort Circuit #2 emissions factor derived from 2016 M29 stack test.	
	scription: Refinery N					1,005	0.0000		
	22.90		3.11E-07	1	0.0006	1,940	0.0000	Batast Circuit #2 amigaiana factor dariyad from 2010 M20 stack test	
Hg		tpy	3.11E-07	lbs/hr	0.0006	1,940	0.0000	Retort Circuit #3 emissions factor derived from 2016 M29 stack test.	
	scription: Mercury C	o-Product	1				0.0500		
Hg					0.0000		6.2500	Facility-wide mercury co-product collected, no breakout by system provided.	
	scription: Assay Lab	ooratory, Met La	boratory & Inte	grated Labor					
Hg					0.9080		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.	
				acility Total:	310.6937		2.7200	CY2006 Co-product: 5,440 lbs/yr.	
				acility Total:			6.1600	CY2007 Co-product: 12,320 lbs/yr.	
				Facility Total:			6.7700	CY2008 Co-product: 13,540 lbs/yr.	
				Facility Total:			5.3900	CY2009 Co-product: 10,780 lbs/yr.	
				Facility Total:			5.7000	CY2010 Co-product: 11,400 lbs/yr.	
				Facility Total:			3.8500	CY2011 Co-product: 7.700 lbs/yr.	
				Facility Total:			7.6100	CY2012 Co-product: 15,220 lbs/yr.	
			CY2013	acility Total:			4.3200	CY2013 Co-product: 8,640 lbs/yr.	
			CY2014	acility Total:	115.9110		6.2800	CY2014 Co-product: 12,560 lbs/yr.	
			CY2015	acility Total:	180.7430		5.2700	CY2015 Co-product: 10,540 lbs/yr.	
			CY2016 F	acility Total:	132.1134		6.2500	CY2016 Co-product: 12,500 lbs/yr.	
				-					

Source: Klo	ndex Midas Opera	itions Inc. (forme	arly Newmont I	Midas Operati	ions): AOOP AP1041	-0766 02.01	PTC AP1041-2	2989; MOPTC AP1041-2253
	cription: Refinery					0700.02, 01	10/11/0412	
Hg	105.19	tpy	0.002042	lbs/hr	1.4185	695	0.0000	Furnace #1 emissions factor derived from 2016 M29 stack test.
	cription: Refinery			103/11	1.4105	035	0.0000	
Hq	92.04	tpy	0.002688	lbs/hr	1.2392	461	0.0000	Furnace #2 emissions factor derived from 2016 M29 stack test.
	scription: Retort A	ιρ <u>γ</u> (S2 047/ΤΗ 4 003		105/11	1.2352	401	0.0000	
Hg	56.89	tpy	0.000253	lbs/hr	0.7719	3,051	0.0000	Retort A emissions factor derived from 2016 M29 stack test.
	cription: Retort B			105/11	0.7719	3,031	0.0000	Heloit A emissions factor derived from 2010 M29 Stack test.
Hg		tpy	0	lbs/hr	0.0000	0	0.0000	Retort B decommissioned in July, 2012.
	cription: Retort C			105/11	0.0000	0	0.0000	netort D decommissioned in odly, 2012.
Hq	54.01		0.000282	lbs/hr	0.8208	2,911	0.0000	Retort C emissions factor derived from 2016 M29 stack test.
	cription: Mercury	tpy Co Broduct	0.000262	IDS/III	0.0200	2,911	0.0000	
Hq	cription. Mercury		1		0.0000	1	0.0020	Facility-wide mercury co-product collected, no breakout by system provided.
	cription: Assay La	havatan			0.0000		0.0020	Facility-wide mercury co-product collected, no breakout by system provided.
-	chplion: Assay La	Doratory		lle e /le r	0.0040	1	0.0000	Detential to emit (DTE), not actual, and De Minimia Decignation Tech. Dev
Hg	ļ		01/0000	lbs/hr	2.3246		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				acility Total:	17.1801		0.0000	CY2006 Co-product: 0.00 lbs/yr.
				acility Total:	4.2457		0.0000	CY2007 Co-product: 0.00 lbs/yr.
				acility Total:	41.3420		0.0000	CY2008 Co-product: 0.00 lbs/yr.
				acility Total:	6.4395		0.0000	CY2009 Co-product: 0.00 lbs/yr.
				acility Total:	14.2333		0.0000	CY2010 Co-product: 0.00 lbs/yr.
				acility Total:	32.0815		0.0099	CY2011 Co-product: 19.87 lbs/yr.
			CY2012	acility Total:	21.8322		0.0100	CY2012 Co-product: 10.40 lbs/yr.
				acility Total:	16.3548		0.0059	CY2013 Co-product: 11.90 lbs/yr.
				Facility Total:	2.6214		0.0030	CY2014 Co-product: 5.72 lbs/yr.
				acility Total:	3.0071		0.0020	CY2015 Co-product: 3.96 lbs/yr.
				acility Total:	6.5749		0.0020	CY2016 Co-product: 3.24 lbs/yr.
						Id Mountain	Mine): AQOP	P AP1041-1362; MOPTC AP1041-2246
	cription: Propane	Fired Carbon Re					•	
Hg		tpy	0	lbs/hr	0.0000	0	0.0000	Carbon Kiln decommissioned in May, 2012.
System Des	cription: Propane	Fired Mercury Re	etort (S2.002/1	U4.002)			-	
Hg		tpy	0	lbs/hr	0.0000	0	0.0000	Retort decommissioned in May, 2012.
System Des	cription: Propane	Fired Bullion Fur	nace (S2.003/	TU4.003)				
Hg		tpy	0	lbs/hr	0.0000	0	0.0000	Bullion Furnace decommissioned in May, 2012.
System Des	cription: Electro-w	vinning Circuit (IA	1.024/TU4.00	4) and Barren	Strip Solution Tank (TU4.005)		
Hg		gals/yr	0	lbs/hr	0.0000	0	0.0000	EW Circuit decommissioned in May, 2012.
System Des	cription: Mercury	Co-Product						
Hg					0.0000		0.0000	Facility-wide mercury co-product collected, no breakout by system provided.
System Des	cription: Assay La	boratory						
Hg					3.1239		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.
				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	acility Total:	5.8995		1.5600	CY2009 Co-product: 3,120 lbs/yr.
			CY2010	acility Total:	7.8188		1.4300	CY2010 Co-product: 2,860 lbs/yr.
			CY2011	acility Total:	3.2198		1.6100	CY2011 Co-product: 3,220.00 lbs/yr.
			CY2012	acility Total:	3.1464		0.0000	CY2012 Co-product: 0.00 lbs/yr.
			CY2013	acility Total:	3.6439		0.0000	CY2013 Co-product: 0.00 lbs/yr.
			CY2014	acility Total:	3.6439	1	0.0000	CY2014 Co-product: 0.00 lbs/yr.
				acility Total:	3.1239	1	0.0000	CY2015 Co-product: 0.00 lbs/yr.
				acility Total:	3.1239	1	0.0000	CY2016 Co-product: 0.00 lbs/yr.

Source: Ra	whide Mining 110	C - Denton-Rawhi	ide Mine (form	erly Kennecot	t Rawhide Mining Cor	noany). AOC)P AP1041-28	392; OPTC AP1041-2975; MOPTC AP1041-2245
	cription: Carbon						2. 7.1 1041 20	
Ha	341.70	tov	0.0000359	lbs/hr	0.2945	8,203	0.0000	Carbon Kiln emissions factor derived from 2016 M29 stack test.
	cription: Electro-							
Hq	Not Reported		0.00000789		0.0272	3,444	0.0000	Electro-winning Cells emissions factor derived from 2016 M29 stack test.
System Des	cription: Refinery							
Hg	62.00	tpy	0.000138	lbs/hr	0.0915	663	0.0000	Refinery Furnace emissions factor derived from 2016 M29 stack test.
System Des	cription: Mercury		•					
Hg	33.50	tpy	0.000022	lbs/hr	0.1137	5,170	0.0000	Retort emissions factor derived from 2016 M29 stack test.
System Des	cription: Mercury	Co-Product					-	
Hg					0.0000		0.0005	Facility-wide mercury co-product collected, no breakout by system provided.
System Des	cription: Fire Ass	ay Laboratory						
Hg					0.0143		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				Facility Total:	351.5928		0.0621	CY2006 Co-product: 124.20 lbs/yr.
				Facility Total:	39.5645		0.0276	CY2007 Co-product: 55.20 lbs/yr.
				Facility Total:	13.0908		0.0262	CY2008 Co-product: 52.40 lbs/yr.
				Facility Total:	12.0029		0.0258	CY2009 Co-product: 51.60 lbs/yr.
				Facility Total:	37.6433		0.0079	CY2010 Co-product: 15.80 lbs/yr.
				Facility Total:	78.5131		0.0230	CY2011 Co-product: 46.00 lbs/yr.
				Facility Total:	7.1176		0.0249	CY2012 Co-product: 49.80 lbs/yr.
				Facility Total:	0.0743		0.1270	CY2013 Co-product: 254 lbs/yr.
				Facility Total:	0.1924		0.0193	CY2014 Co-product: 38.60 lbs/yr.
				Facility Total:	0.3959		0.0102	CY2015 Co-product: 20.40 lbs/yr.
				acility Total:	0.5412		0.0005	CY2016 Co-product: 1.04 lbs/yr.
				wis Project: A	AQOP AP1041-0334.0	2; OPTC AF	21041-2974; O	OPTC AP1041-3269; OPTC AP1041-3344; MOPTC AP1041-2255
System Des	cription: Mercury							
Hg	Not Reported	tpy	0.0001	lbs/hr	0.7262	7,262	0.0000	Retort emissions factor derived from average of 2016 M29 stack tests.
	cription: Smelting							
Hg	Not Reported	tpy	0.0002	lbs/hr	1.3074	6,537	0.0000	Furnace emissions factor derived from average of 2016 M29 stack tests.
	cription: Mercury	1	,			1		
Hg	Not Reported	tpy	0.000014	lbs/hr	0.1008	7,199	0.0000	Retort emissions factor derived from 2016 M29 stack test.
	cription: Mercury	1	,					
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	System not yet constructed.
	cription: Mercury		,			-		
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	System not yet constructed.
	cription: Mercury							
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	System not yet constructed.
	cription: Smelting				0.0000		0.0000	
Hg Sustam Dag	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	System not yet constructed.
	cription: Smelting			lbo/br	0.0000	0	0.0000	Sustam not yet constructed
Hg Svistom Doo	0.00	tpy Co Broduct	0	lbs/hr	0.0000	0	0.0000	System not yet constructed.
	cription: Mercury		1	-	0.0000		7.0750	Easility wide more use an advet collected the breakerst by evolve more that
Hg Svetom Doe	scription: Assay L	aboratory	1		0.0000		7.3750	Facility-wide mercury co-product collected, no breakout by system provided.
System Des Hg	Schption. Assay L	aboratory	1		4.4797		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
пу	L	1	CV2006	Facility Total:	4.4797 0.0000		0.0000	CY2006 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0000		0.0000	CY2006 C0-product: 0.00 lbs/yr.
				Facility Total:	0.0000		0.0000	CY2008 Co-product: 0.00 lbs/yr.
				Facility Total:	4.5299		0.8000	CY2009 Co-product: 1,600 lbs/yr.
				Facility Total:	4.5219		4.2000	CY2010 Co-product: 1,000 lbs/yr.
				Facility Total:	4.5242		23.0700	CY2010 Co-product: 46,147 lbs/yr.
				Facility Total:	4.4784		34.0200	CY2012 Co-product: 68,047 lbs/yr.
				Facility Total:	4.4959		27.6700	CY2013 Co-product: 53,340 lbs/yr.
				Facility Total:	5.8421		56.9100	CY2014 Co-product: 113,820 lbs/yr.
				Facility Total:	5.6891		35.7000	CY2015 Co-product: 71,400 lbs/yr.
				acility Total:	6.6141		7.3750	CY2016 Co-product: 14,750 lbs/yr.
			0.20101		0.0111			

Source: Klondex Aurora Mine, Inc. (for	urce: Klondex Aurora Mine, Inc. (formerly Carlin Resources, LLC/Waterton Global Minng/Antler Peak Gold/Metallic Ventures).: AQOP AP1041-3127; OPTC AP1041-2853; MOPTC AP1041-2248								
System Description: Carbon Regenera									
Hg 0.00 tp			0	0.0000	System did not operate in 2016.				
System Description: Mercury Retorts, S		ng Circuit (TU4.002 - TU4.	006)						
Hg 0.00 tp			0	0.0000	System did not operate in 2016.				
System Description: Dore Furnace, So		Circuit (TU4.002, TU4.00	3, TU4.006 &						
HG 0.00 tp			0	0.0000	System did not operate in 2016.				
System Description: Mercury Co-Produ									
Ha		0.0000		0.0000	Facility-wide mercury co-product collected, no breakout by system provided.				
System Description: Assay Laboratory									
Hq		0.0076		0.0000	Potential to emit (PTE) of 0.0076 lbs/yr, not actual - see DM Technical Review.				
	CY2006 Facility	otal: 0.0000		0.0000	CY2006 Co-product: 0.00 lbs/yr.				
	CY2007 Facility	otal: 0.0000		0.0000	CY2007 Co-product: 0.00 lbs/yr.				
	CY2008 Facility			0.0000	CY2008 Co-product: 0.00 lbs/yr.				
	CY2009 Facility		1	0.0000	CY2009 Co-product: 0.00 lbs/yr.				
	CY2010 Facility			0.0000	CY2010 Co-product: 0.00 lbs/yr.				
	CY2011 Facility	otal: 0.0022		0.0000	CY2011 Co-product: 0.00 lbs/yr.				
	CY2012 Facility			0.0000	CY2012 Co-product: 0.00 lbs/yr.				
	CY2013 Facility			0.0000	CY2013 Co-product: 0.00 lbs/yr.				
	CY2014 Facility			0.0000	CY2014 Co-product: 0.00 lbs/yr.				
	CY2015 Facility			0.0000	CY2015 Co-product: 0.00 lbs/yr.				
	CY2016 Facility 1			0.0000	CY2016 Co-product: 0.00 lbs/yr.				
Source: Coeur D'Alene Mining Corpora	tion - Coeur Rochester Mine:	AQOP AP1044-0063.02; I	MOPTC AP1	041-2242					
System Description: Refinery Furnace									
Hg 231.00 tp	y 0.001515 lbs/	nr 1.2771	843	0.0000	Refinery Furnace emissions factor derived from March 2016 M29 stack test.				
System Description: Mercury Retorts (U4.002 & TU4.003)		-						
Hg 416.00 tp		nr 0.0753	6,384	0.0000	Retort emissions factor derived from March 2016 M29 stack test.				
System Description: Mercury Co-Produ	ct	•	•						
Hg		0.0000		7.9000	Facility-wide mercury co-product collected, no breakout by system provided.				
System Description: Assay Laboratory	· · ·								
Hg		1.8805		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.				
<u> </u>	CY2006 Facility	otal: 2.8872		16.1000	CY2006 Co-product: 32,200 lbs/yr.				
	CY2007 Facility	otal: 137.0958		15.4000	CY2007 Co-product: 30,800 lbs/yr.				
	CY2008 Facility	otal: 9.9144		15.6000	CY2008 Co-product: 31,200 lbs/yr.				
	CY2009 Facility	otal: 4.4097		10.7000	CY2009 Co-product: 21,400 lbs/yr.				
	CY2010 Facility	otal: 2.6426	1	12.3000	CY2010 Co-product: 24,600 lbs/yr.				
	CY2011 Facility	otal: 3.3523	1	11.2000	CY2011 Co-product: 22,400 lbs/yr.				
	CY2012 Facility		1	20.4000	CY2012 Co-product: 40,800 lbs/yr.				
	CY2013 Facility	otal: 2.6378	1	14.5000	CY2013 Co-product: 29,000 lbs/yr.				
	CY2014 Facility	otal: 2.1938	1	13.2000	CY2014 Co-product: 26,400 lbs/yr.				
	CY2015 Facility	otal: 4.2967	1	10.4000	CY2015 Co-product: 20,800 lbs/yr.				
	CY2016 Facility 1	otal: 3.2330		7.9000	CY2016 Co-product: 15,800 lbs/yr.				

Source: Newmont Mining Corporation - Lone		575; MOPTC AP1041	-2251		
System Description: Electro-winning Cells (Ea	,		r	r	
Hg 0.00 gals/yr	0 lbs/hr	0.0000	0	0.0000	EW Cells were decommissioned throughout 2012.
System Description: Electro-winning Cells (We				•	
Hg 0.00 gals/yr	0 lbs/hr	0.0000	0	0.0000	EW Cells were decommissioned throughout 2012.
System Description: Electro-winning Cells (Sc				-	
Hg 0.00 gals/yr	0 lbs/hr	0.0000	0	0.0000	EW Cells were decommissioned throughout 2012.
System Description: Pregnant and Barren Sol	ution Tanks				
Hg 0.00 tpy - carbon	0 lbs/hr	0.0000	0	0.0000	P/B Tanks were decommissioned throughout 2012.
System Description: Mercury Co-Product					
Hg		0.0000		0.0000	Facility-wide mercury co-product collected, no breakout by system provided.
System Description: Sample Room, Fire Assa	y Room, Wet Laboratory, LE	CO Laboratory, Met L	aboratory		
Hg		1.8788		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
	CY2006 Facility Total:	622.1013		0.0000	CY2006 Co-product: 0.00 lbs/yr.
	CY2007 Facility Total:	148.0964		0.0000	CY2007 Co-product: 0.00 lbs/yr.
	CY2008 Facility Total:	67.1251	1	0.0000	CY2008 Co-product: 0.00 lbs/yr.
	CY2009 Facility Total:	7.2136	1	0.0000	CY2009 Co-product: 0.00 lbs/yr.
	CY2010 Facility Total:	3.0212	1	0.0000	CY2010 Co-product: 0.00 lbs/yr.
	CY2011 Facility Total:	1.8788	1	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.
Source: Borrick Cortez Inc. Cortez I lillo and			A D1041 000		
Source: Barrick Cortez, Inc Cortez Hills and		1041-2141; MOPTC	AP1041-222	20	
System Description: Refinery Induction Furnad		0.0100	014	0.0000	From the dusted in line with Detects FF deviced from 0040 M00 stack test
Hg 33.50 tpy	0.0000382 lbs/hr	0.0120	314	0.0000	Furn. #1 ducted in-line with Retorts, EF derived from 2016 M29 stack test.
System Description: Refinery Induction Furnad					
Hg 2.80 tpy	0.0000218 lbs/hr	0.0019	87	0.0000	Furn. #2 ducted in-line with Retorts, EF derived from 2016 M29 stack test.
System Description: Electric Carbon Reactivat					
Hg 27.70 tpy	0.000614 lbs/hr	0.0348	57	0.0000	Carbon Kiln #1 emissions factor derived from 2016 M29 stack test.
System Description: Electric Carbon Reactivat					
Hg 84.90 tpy	0.000569 lbs/hr	0.0979	172	0.0000	Carbon Kiln #2 emissions factor derived from 2016 M29 stack test.
System Description: East Electro-winning Circ					
Hg 35,025,093.50 gals/yr	0.0006 lbs/hr	3.4478	5,746	0.0000	East EW Circuit emissions factor derived from avg. of 2016 M29 stack tests.
System Description: West Electro-winning Cire				-	
Hg 17,660,419.90 gals/yr	0.0000721 lbs/hr	0.4026	5,584	0.0000	West EW Circuit emissions factor derived from 2016 M29 stack test.
System Description: Mercury Retorts (TU4.010	0 & TU4.011)			-	
					Retort emissions factor derived from 2016 M29 stack tests with both retorts
Hg 37.30 tpy	0.0000382 lbs/hr	0.1314	3,440	0.0000	operating. Retort #1 operated 1,820 hrs. & Retort #2 operated 1,620 hrs.
System Description: Mercury Co-Product					
Hg		0.0000		0.2600	Facility-wide mercury co-product collected, no breakout by system provided.
System Description: Assay Laboratory (Analyt	ical Lab Building), Met Labora	atory, Strip Circuit Are	ea (Mill Build	ing), Refinery	Gold Sludge Drying Oven, Fire Assay Fusion Furnaces
Hg		1.8841		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
	CY2006 Facility Total:	166.7059		0.1200	CY2006 Co-product: 240 lbs/yr.
	CY2007 Facility Total:	208.0466	1	0.3200	CY2007 Co-product: 640 lbs/yr.
	CY2008 Facility Total:	75.8638	1	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	1	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.
	CY2012 Facility Total:	15.7637		2.2740	CY2012 Co-product: 2,412 lbs/yr.
	CY2013 Facility Total:	2.2159		0.4900	CY2013 C0-product: 4,438 lbs/yr.
	CY2014 Facility Total: CY2015 Facility Total:	4.6010	1	1.1700	CY2014 C0-product: 980 lbs/yr.
	CY2015 Facility Total: CY2016 Facility Total:	4.6010 6.0125		0.2600	
	CT2010 Facility Total:	0.0125		0.2600	CY2016 Co-product: 524 lbs/yr.

Source: Florida Canyon Mining, Inc Florida Canyon Mine: AQOP AP1041-0106.02; MOPTC AP1041-2256 System Description: Summit Valley Mercury Retort A (S2.003/TU4.004) Hg Not Reported tpy 0.0000167 lbs/hr 0.0006 370 0.0000 Retort A emissions factor derived from 20 System Description: Custom Mercury Retort B (S2.004/TU4.005)	
Hg Not Reported tpy 0.0000167 lbs/hr 0.0006 370 0.0000 Retort A emissions factor derived from 20 System Description: Custom Mercury Retort B (S2.004/TU4.005) 0.0002 554 0.0000 Retort B emissions factor derived from 20 Hg Not Reported tpy 3.03E-07 lbs/hr 0.0002 554 0.0000 Retort B emissions factor derived from 20 System Description: Electro-winning Cell A (TU4.002/DM3.019) 0.00273 lbs/hr 23.9148 8,760 0.0000 Electro-winning Cell A emissions factor cell	
System Description: Custom Mercury Retort B (S2.004/TU4.005) Hg Not Reported tpy 3.03E-07 lbs/hr 0.0002 554 0.0000 Retort B emissions factor derived from 20 System Description: Electro-winning Cell A (TU4.002/DM3.019) 10002 3.01000 Electro-winning Cell A emissions factor derived from 20 Hg Not Reported tpy 0.00273 lbs/hr 23.9148 8,760 0.0000 Electro-winning Cell A emissions factor derived from 20	016 M20 stock tosts
Hg Not Reported tpy 3.03E-07 lbs/hr 0.0002 554 0.0000 Retort B emissions factor derived from 20 System Description: Electro-winning Cell A (TU4.002/DM3.019)	010 M29 Stack lesis.
System Description: Electro-winning Cell A (TU4.002/DM3.019) Hg Not Reported tpy 0.00273 lbs/hr 23.9148 8,760 0.0000 Electro-winning Cell A emissions factor c	016 M20 stock tests
Hg Not Reported tpy 0.00273 lbs/hr 23.9148 8,760 0.0000 Electro-winning Cell A emissions factor of	010 M29 Stack lesis.
5 I I I I I I I I I I I I I I I I I I I	lorived from 2016 M29 stack tests
	ienved nom 2010 W29 Stack lesis.
Hg Not Reported tpy 0.002665 lbs/hr 23.3454 8,760 0.0000 Electro-winning Cell B emissions factor of	lorived from 2016 M20 stock tosts
System Description: Carbon Regeneration Kiln (S2.007/TU4.008)	ienved nom 2010 W29 stack lests.
Hg Not Reported toy 0.012636 lbs/hr 1.4721 117 0.0000 Carbon Kiln emissions factor derived from	m 2016 M29 stack tests
System Description: Dore Furnace (S2.005/TU4.001/DM3.018)	11 2010 M29 Stack lesis.
Hg tpy 0.000563 lbs/hr 4.9319 8,760 0.0000 Dore Furnace emissions factor derived fr	rom 2016 M29 stack tests
System Description: Pregnant Tank (TU4.006/DM3.016)	
Hg hrs/yr lbs/hr 0.0000 Pregnant Tank (104.000/DN0.010)	signation 12/17/09
System Description: Barren Tank (TU4.007/DM3.017)	
Hg hrs/yr lbs/hr 0.0000 0.0000 Barren Tank moved to De Minimis Desig	nation 12/17/09
System Description: Mercury Co-Product	
Hg 0.0000 0.1200 Facility-wide mercury co-product collecte	d no breakout by system provided
System Description: Assay Laboratory, Electro-winning Cells A & B, Pregnant & Barren Tanks and Dore Furnace.	
	s and Dore Furnace reported separately.
CY2006 Facility Total: 440.7382 0.2264 CY2006 Co-product: 452.80 lbs/yr.	
CY2007 Facility Total: 19.0000 0.0072 CY2007 Co-product: 14.40 lbs/yr.	
CY2008 Facility Total: 162.3117 0.2875 CY2008 Co-product: 575 lbs/yr.	
CY2009 Facility Total: 49.6118 0.8120 CY2009 Co-product: 1.624 lbs/yr.	
CY2010 Facility Total: 111.8133 0.3090 CY2010 Co-product: 618 lbs/yr.	
CY2011 Facility Total: 51.7290 1.2700 CY2011 Co-product: 2,538 lbs/yr. (1,825	9.00 "liquid"; 709.00 sludge)
CY2012 Facility Total: 8.2449 0.6300 CY2012 Co-product: 1,252 lbs/yr. (892.0	
CY2013 Facility Total: 4.2320 1.2150 CY2013 Co-product: 1,450 lbs/yr. (sludg	e)
CY2014 Facility Total: 4.1346 0.1250 CY2014 Co-product: 250 lbs/yr. (sludge)	
CY2015 Facility Total: 33.4578 0.8960 CY2015 Co-product: 1,792 lbs/yr. (sludg	e)
CY2016 Facility Total: 55.9107 0.1200 CY2016 Co-product: 244 lbs/yr.	

Source: Rou	und Mountain Gol	d Corporation - S	moky Valley/G	old Hill Comr	non Operation: AQOF	PAP1041-04	44.02; OPTC	AP1041-2806: MOPTC AP1041-2250
					Kiln (S2.121 & S2.14			
Hg	3,588.00	tpy	0.0000615	lbs/hr	0.4579	7,446	0.0000	Carbon Kiln emissions factor derived from 2016 M29 stack test. The Pregnant Strip Solution Tank and both Barren Strip Solution Tanks were removed from this system and added to the ADR Carbon Stripping Circuit April 16,2014.
System Des	cription: Round N	lountain (Smoky '	Valley) Electri	c Induction Fu	Irnace (S2.130/TU4.00)5)		
Hg	31.31	tpy	0.000709	lbs/hr	0.2354	332	0.0000	Furnace emissions factor derived from 2016 M29 stack test.
System Dese	cription: Gold Hill	Carbon Reactivat	tion Kiln (S2.1	57/TU4.006)				
Hg	1,263.00	tpy	3.89E-07	lbs/hr	0.0020	5,252	0.0000	Carbon Kiln emissions factor derived from average of 2016 M29 stack tests.
System Des		Carbon Stripping				n Strip Solut		1 <u>5</u> 8 - S2.160/TU4.007 - TU4.009)
Hg	26,265,495.00	gals/yr	0.0000242		0.2006	8,291	0.0000	Carbon Strip Circ. emissions factor derived from avg. of 2016 M29 stack tests.
System Des	cription: Gold Hill	Mercury Retort (S		10)				
Hg	10.22	tpy	1.12E-07	lbs/hr	0.0002	1,910	0.0000	Retort emissions factor derived from average of 2016 M29 stack tests.
	cription: Gold Hill							
Hg	7.25	tpy	0.00000861	lbs/hr	0.0012	142	0.0000	Furnace emissions factor derived from average of 2016 M29 stack tests.
								utionTanks(S2.143/TU4.002 - TU4.004 & TU4.012))
Hg	23,989,215.00	gals/yr	0.0005225	lbs/hr	4.5682	8,743	0.0000	Carbon Strip Circuit emissions factor derived from avg. of 2016 M29 stack tests.
	cription: Mercury	Co-Product	1	-				
Hg					0.0000		0.6860	Facility-wide mercury co-product collected, no breakout by system provided.
	cription: RMG Ref	inery Electro-wini	ning Vent & O	vens, Assay L				
Hg					1.4110		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				Facility Total:	No		0.0085	CY2006 Co-product: 17 lbs/yr.
				Facility Total:	59.6652		0.0000	CY2007 Co-product: 0.00 lbs/yr.
				Facility Total:	8.3173		0.0000	CY2008 Co-product: 0.00 lbs/yr.
				Facility Total:	4.5878		0.0000	CY2009 Co-product: 0.00 lbs/yr.
				Facility Total:	4.4525		0.0000	CY2010 Co-product: 0.00 lbs/yr.
				Facility Total:	6.6374		0.0000	CY2011 Co-product: 0.00 lbs/yr.
				Facility Total:	4.1960		0.0000	CY2012 Co-product: 0.00 lbs/yr.
				Facility Total:	4.7056		0.3150	CY2013 Co-product: 629.90 lbs/yr.
				Facility Total:	9.0652		0.3450	CY2014 Co-product: 690 lbs/yr.
				Facility Total:	5.4557		0.2940	CY2015 Co-product: 588 lbs/yr.
				acility Total:	6.8767		0.6860	CY2016 Co-product: 1372 lbs/yr.
					stake Mining Company	of California	a): AQOP AP1	041-0713.01; MOPTC AP1041-2252
	cription: Electric (le l		,		r		
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Carbon Kiln was decommissioned 04/25/11 and did not operate in 2016.
	cription: Electric					r		
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Retort was decommissioned 04/25/11 and did not operate in 2016.
	cription: Electric F					-		
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Furnace was decommissioned 04/25/11 and did not operate in 2016.
					regnant and Barren St			
Hg	0.00	gals/yr	0	lbs/hr	0.0000	0	0.0000	EW Circuit was decommissioned 04/25/11 and did not operate in 2016.
	cription: Assay La	aboratory	1	1	1 0010		0.0000	
Hg	1		0) (000		1.3818		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				Facility Total:	28.7825		0.5000	CY2006 Co-product: 1,000 lbs/yr.
				Facility Total:	35.2201		0.3800	CY2007 Co-product: 760 lbs/yr.
				Facility Total:	1.3883		0.2400	CY2008 Co-product: 480 lbs/yr.
				Facility Total:	7.2874		0.1762	CY2009 Co-product: 352.40 lbs/yr.
				Facility Total:	34.4158		0.0000	CY2010 Co-product: 0.00 lbs/yr.
				Facility Total:	11.1401		0.0495	CY2011 Co-product: 99 lbs/yr.
				Facility Total:	1.3818		0.0000	CY2012 Co-product: 0.00 lbs/yr.
				Facility Total:	1.3818		0.0000	CY2013 Co-product: 0.00 lbs/yr.
				Facility Total:	1.3818		0.0000	CY2014 Co-product: 0.00 lbs/yr.
				Facility Total: acility Total:	1.3818 1.3818		0.0000	CY2015 Co-product: 0.00 lbs/yr. CY2016 Co-product: 0.00 lbs/yr.
			0120101	acility rotal:	1.3010		0.0000	Grzoro Co-product: 0.00 lbs/yr.

Courses May	rigald Mining Can	anany Marinald	Minal AOOD /	D1041 0150	.02; MOPTC AP1041-2	2054		
					02; MOPTC APT041-2	2234		
		Regeneration Kilr			0.0110	4.440	0.0000	
Hg Guatan Daa	1,044.00	tpy	0.00000275	lbs/hr	0.0113	4,110	0.0000	Carbon Kiln emissions factor derived from average of 2016 M29 stack tests.
		Retort (S2.014/T			4.0050	4.075	0.0000	
Hg	11.76	tpy	0.00217	lbs/hr	4.2858	1,975	0.0000	Retort emissions factor derived from average of 2016 M29 stack tests.
		rucible Furnace (4.0000	0.1.1	0.0000	European antipations for the device of from successing of 004.0 M00 stability state
Hg Guatana Daar	8.06	tpy	0.0127	lbs/hr	4.3688	344	0.0000	Furnace emissions factor derived from average of 2016 M29 stack tests.
		winning Circuit (T		lla a /la u		-		Electro minerico Oincuit emissione fester derived from our of 0010 M00 steels
Hg Guatana Daar	153,015.00	tpy	0.00217	lbs/hr				Electro-winning Circuit emissions factor derived from avg. of 2016 M29 stack
		t Strip Solution T						tests. The Pregnant and Barren Strip Solution Tanks are vented to a common
Hg	See Above	tpy	See Above	lbs/hr				stack with the Electro-winning Circuit, Mercury Retort, and Crucible Furnace.
		Strip Solution Tan		н а	10,0000	0 700	0.0000	Since the fluids circuit is not tested separately from the Retort and Furnace,
Hg	See Above	tpy	See Above	lbs/hr	19.0092	8,760	0.0000	the Retort result is used as a surrogate for the Electro-winning Circuit alone.
	cription: Mercury	Co-Product	1 1		0.0000		0.0000	
Hg		I			0.0000		0.0000	Elemental mercury collected disposed of as hazardous waste, not co-product.
	cription: Assay L	aboratory			0.4070		0.0005	
Hg			0) (00		2.1072		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				acility Total:	908.0610		0.1675	CY2006 Co-product: 335 lbs/yr.
				acility Total:	5.2255		0.2450	CY2007 Co-product: 490 lbs/yr.
				acility Total:	10.4883		0.5690	CY2008 Co-product: 1,138 lbs/yr.
				acility Total:	4.4540		0.8160	CY2009 Co-product: 1,632 lbs/yr.
				acility Total:	9.3695		1.0330	CY2010 Co-product: 2,066 lbs/yr.
				acility Total:	11.1707		1.0500	CY2011 Co-product: 2,100 lbs/yr.
				acility Total:	2.1159		1.4600	CY2012 Co-product: 2,927 lbs/yr.
				acility Total:	7.5577		0.4765	CY2013 Co-product: 953 lbs/yr.
				acility Total:	3.3689		0.0000	CY2014 Co-product: 0.00 lbs/yr.
				acility Total:	24.8525		0.0000	CY2015 Co-product: 0.00 lbs/yr.
			CY2016 F	acility Total:	29.7823		0.0000	CY2016 Co-product: 0.00 lbs/yr.
Source: Bor	ealis Mining Com	pany: AQOP AP	1041-2855; M	OPTC AP104	1-2228			
System Desc	cription: Deep Be	ed Carbon Scrubb	per: Carbon Re	egeneration K	(iln (S2.003/TU4.001)			
Hg	72.37	tpy	0.0000733	lb/hr	0.0094	1,286	0.0000	Carbon Kiln emissions factor derived from average of 2016 M29 stack tests.
System Desc	cription: Deep Be	ed Carbon Scrubb	per: Mercury R	etort (S2.004)	/TU4.002)			
Hg	1.06	tpy	0.00000467	lb/hr	0.0015	311	0.0000	Retort emissions factor derived from 2016 M29 stack test.
System Desc	cription: Deep Be	ed Carbon Scrubb	per: Smelting F	urnace (2.00	5/TU4.003)			
Hg	0.95	tpy	0.00000371	lb/hr	0.0003	75	0.0000	Furnace emissions factor derived from average of 2016 M29 stack tests.
System Desc	cription: Deep Be	ed Carbon Scrubb	per: Solutions	Circuit (S2.00	6 - S2.008/TU4.004 -	TU4.006)		
Hg	1,490.12		0.00000694	lb/hr	0.0090	1,295	0.0000	Solutions Circuit emissions factor derived from 2016 M29 stack test.
System Desc	cription: Mercury	Co-Product						
Hg					0.0000		0.0000	Facility-wide mercury co-product collected, no breakout by system provided.
			CY2006	acility Total:	0.0000		0.0000	CY2006 Co-product: 0.00 lbs/yr.
			CY2007	acility Total:	0.0000		0.0000	CY2007 Co-product: 0.00 lbs/yr.
			CY2008 I	acility Total:	0.0000		0.0000	CY2008 Co-product: 0.00 lbs/yr.
			CY2009 I	acility Total:	0.0000		0.0000	CY2009 Co-product: 0.00 lbs/yr.
			CY2010	acility Total:	0.0000		0.0000	CY2010 Co-product: 0.00 lbs/yr.
			CY2011	acility Total:	0.0000		0.0000	CY2011 Co-product: 0.00 lbs/yr.
			CY2012	acility Total:	12.0456		0.0000	CY2012 Co-product: 0.00 lbs/yr.
				acility Total:	0.0353		0.1640	CY2013 Co-product: 327.50 lbs/yr.
				acility Total:	0.0372		0.3510	CY2014 Co-product: 702 lbs/yr.
				acility Total:	9.4184		0.0000	CY2015 Co-product: 0.00 lbs/yr.
				acility Total:	0.0201		0.0000	CY2016 Co-product: 0.00 lbs/yr.

Source: Barrick Turquoise Ridge, Inc Getche	ell Mine: AQOP AP1041-0292	2.01; MOPTC AP104	1-2249		
System Description: Assay/Met Laboratory		,			
Ha		4.6574	[]	0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
	CY2006 Facility Total:	10.6752		0.0000	CY2006 Co-product: 0.00 lbs/yr.
	CY2007 Facility Total:	4.9660		0.0000	CY2007 Co-product: 0.00 lbs/yr.
	CY2008 Facility Total:	4.9462		0.0000	CY2008 Co-product: 0.00 lbs/yr.
	CY2009 Facility Total:	4.9462		0.0000	CY2009 Co-product: 0.00 lbs/yr.
	CY2010 Facility Total:	4.9462		0.0000	CY2010 Co-product: 0.00 lbs/yr.
	CY2011 Facility Total:	4.9462		0.0000	CY2011 Co-product: 0.00 lbs/yr.
	CY2012 Facility Total:	4.9462		0.0000	CY2012 Co-product: 0.00 lbs/yr.
	CY2013 Facility Total:	4.9462		0.0000	CY2013 Co-product: 0.00 lbs/yr.
	CY2014 Facility Total:	4.7375		0.0000	CY2014 Co-product: 0.00 lbs/yr.
	CY2015 Facility Total:	4.6574		0.0000	CY2015 Co-product: 0.00 lbs/yr.
	CY2016 Facility Total:	4.6574		0.0000	CY2016 Co-product: 0.00 lbs/yr.
Source: United Mining Partners, LLC (formerly					
System Description: Furnaces (2 Drying, 1 Sm		AQUE AF 1041-304:		F1041-2701	
Hq	ening)	0.0272		0.0000	Potential to emit (PTE) of 0.02716 lbs/yr, not actual - see DM Technical Review.
יי <u>א</u>	CY2010 Facility Total:	4.0026		0.0000	CY2010 Co-product: 0.00 lbs/yr.
	CY2010 Facility Total: CY2011 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.
	CY2012 Facility Total: CY2013 Facility Total:	4.0026		0.0000	CY2012 Co-product: 0.00 lbs/yr. CY2013 Co-product: 0.00 lbs/yr.
	CY2013 Facility Total: CY2014 Facility Total:	4.0026		0.0000	CY2013 Co-product: 0.00 lbs/yr.
	CY2015 Facility Total:	0.0000		0.0000	CY2015 Co-product: 0.00 lbs/yr.
	CY2016 Facility Total:	0.0272		0.0000	CY2016 Co-product: 0.00 lbs/yr.
Source: GRP Pan, LLC (formerly Midway Gold		301; MOPTC AP104	1-3302		
System Description: Carbon Kiln (S2.006/TU4.					
Hg 203.00 tpy	0.0000081 lbs/hr	0.0183	2,262	0.0000	Carbon Kiln emissions factor derived from 2016 M29 stack test.
System Description: Mercury Retort (S2.008/T					
Hg 1,348.00 lbs/yr	4.06E-08 lbs/hr	0.0000	501	0.0000	Retort emissions factor derived from 2016 M29 stack test.
System Description: Melt Furnace (S2.010/TU4					
Hg 776.00 lbs/yr	0.00000554 lbs/hr	0.0005	96	0.0000	Furnace emissions factor derived from 2016 M29 stack test.
System Description: Carbon Stripping/Electro-v					
Hg 250.00 tpy	0.00000147 lbs/hr	0.0023	1,537	0.0000	Carbon Stripping Circuit emissions factor derived from 2016 M29 stack test.
System Description: Mercury Co-Product					-
Hg		0.0000		0.4900	Facility-wide mercury co-product collected, no breakout by system provided.
System Description: Assay Laboratory					
Hg		2.4700		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
	CY2013 Facility Total:	0.0000		0.0000	CY2013 Co-product: 0.00 lbs/yr.
	CY2014 Facility Total:	0.0000		0.0000	CY2014 Co-product: 0.00 lbs/yr.
	CY2015 Facility Total:	2.5131		0.3200	CY2015 Co-product: 637.32 lbs/yr.
	CY2016 Facility Total:	2.4911		0.4900	CY2016 Co-product: 970.07 lbs/yr.
Source: Gold Acquisition Corp Relief Canyor	Mine: AQOP AP1041-2441	; OPTC AP1041-365	2; MOPTC /	AP1041-3585	
System Description: Mercury Retort (S2.009B/					
Hg 0.00 tpy	0 lbs/hr	0.0000	0	0.0000	Mercury Retort did not operate in 2016.
System Description: Carbon Regeneration Kiln	(S2.011B/TU4.002)				
Hg 0.00 tpy	0 lbs/hr	0.0000	0	0.0000	Carbon Regeneration KIIn did not operate in 2016.
System Description: Electro-winning Cells & Ba					
Hg 0.00 gal/yr	0 lbs/hr	0.0000	0	0.0000	EW Cells & Barren Tank did not operate in 2016.
System Description: Melt Furnace (S2.010B/TU					
Hg 0.00 tpy	0 lbs/hr	0.0000	0	0.0000	Melt Furnace did not operate in 2016.
System Description: Assay Laboratory	· · · ·				
Hq		0.3400		0.0000	Potential to emit (PTE) of 0.34 lbs/yr, not actual - see DM Tech. Review
ř · · · · ·	CY2016 Facility Total:	0.3400		0.0000	CY2016 Co-product: 0.00 lbs/yr.
	CY2016 Facility Total:	0.3400		0.0000	CY2016 Co-product: 0.00 lbs/yr.
	July round	0.0.00		0.0000	

System Description: Asime: Asima:	Source: Newmont Mining Corporatio	on - Long Canvon Project: AQOP	AP1041-3586 MOPTC A	AP1041-3833		
Hg 0.0000 0.0000 0.0000 Potential to emit (PTE) to 0.000048 (bsyr, not actual - see DM Tech. Review CY2016 Facility Total: 0.0000 CY2016 Caproduct: 0.00 (bsyr. Source: Osgood Mining Company, LLC (formely XTM Resources, Inc.): 0.0000 Potential to emit (PTE) of 2.4156 (bsyr, not actual - see DM Technical Review CY2016 Facility Total: 0.0000 Potential to emit (PTE) of 2.4156 (bsyr, not actual - see DM Technical Review CY2016 Facility Total: 0.0000 Potential to emit (PTE) of 2.4156 (bsyr, not actual - see DM Technical Review CY2016 Facility Total: 0.0000 Potential to emit (PTE) of 2.4156 (bsyr, not actual - see DM Technical Review CY2016 Facility Total: 0.0000 Potential to emit (PTE) of 2.4156 (bsyr, not actual - see DM Technical Review CY2016 Facility Total: 0.0000 Potential to emit (PTE), not actual - see DM Technical Review CY2016 Facility Total: 0.0000 Potential to emit (PTE), not actual - see DM Internical Review CY2016 Facility Total: 0.0000 Potential to emit (PTE), not actual - see DM Internical Review CY2017 Facility Total: 4.9200 0.0000 Potential to emit (PTE), not actual - see DM Internical Review CY2017 Facility Total: 4.9200 0.0000 Potential to emit (PTE), not actual - see DM Internical Review CY2017 Facility Total: 4.9200 0.0000 Potential to emit (PTE), not actual - see DM Internical Review CY2017 Facility Total: 4.9200 0.00000 CY2017 Caproduct: <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
CV2016 Facility Total: 0.0000 CV2016 Co-product: 0.0000 CV2016 Co-product: 0.0000 Source: Object Company, LLC (Immetry XTNA Resources, Inc.): ACOP AP1041-3089 0.0000 CV2016 Co-product: 0.0000			0 0000	1	0.000	Potential to emit (PTE) of 0.00000346 lbs/vr. not actual - see DM Tech. Beview
CY2016 Faculty Total: 0.0000 (CY2016 Corporation:		CY2016 Facility T		1		
Surger: Capacity L10 (formury) ATNA Resources, Inc.: ACCP AP1041:3086; MOPTC AP1041:3089 Potential to empty and the set of t						
System Description: Assay Laboratory 0.0000 Potential to emit (PTE) of 2.4156 lbs/yr, not actual - see DM Technical Review CY2013 Facility Total: 2.4156 0.0000 CY2013 Coproduct: 0.00 Bs/yr. CY2013 Facility Total: 2.4156 0.0000 CY2013 Coproduct: 0.00 Bs/yr. CY2013 Coproduct: 0.00 Bs/yr. CY2015 Facility Total: 2.4156 0.0000 CY2015 Coproduct: 0.00 Bs/yr. CY2015 Facility Total: 4.9200 0.0000 CY2015 Coproduct: 0.00 Bs/yr. CY2017 Facility Total: 4.9200 0.0000 CY2015 Coproduct: 0.00 Bs/yr. CY2017 Facility Total: 4.9200 0.0000 CY2015 Coproduct: 0.00 Bs/yr. CY2017 Facility Total: 4.9200 0.0000 CY2015 Coproduct: 0.00 Bs/yr. CY2017 Facility Total: 4.9200 0.0000 CY2016 Coproduct: 0.00 Bs/yr. CY2017 Facility Total: 4.9200 0.0000 CY2016 Coproduct: 0.00 Bs/yr. CY2017 Facility Total: 4.9200 0.0000 CY2016 Coproduct: 0.00 Bs/yr. CY2017 Facility Total: 4.9200 0.0000	Source: Osgood Mining Company I					
Hg 0.000 0.000 0.0000 Potential to emit (PTE) of 2.4156 lbs/r, not actual - see DM Technical Review CY2013 Facility Total 2.4156 0.0000 CY2014 (Facility Total 2.4156 GY2015 Facility Total 2.4156 0.0000 CY2015 Corpodat: 0.0000 CY2014 (Facility Total Source: Tonkin Springs, LLC: AOOP AP1041-0820: 0000 CY2015 Facility Total 0.0000 CY2015 Corpodat: 0.0000 (CY2015 Corpodat: 0.000 (CY2015 Corpodat:			<u>10.). AQOI AI 1041 0000</u>	0, 1001 1074	1041 0000	
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CY2014 Facility Total 2.4156 0.0000 CY2014 Co-product: 0.00 Tasyr. Source: Torkin Springs, LLC: AOOP AP1041-9283 (SMOPT CA P1041-7286 0.0000 CY2016 Co-product: 0.00 Tasyr. System Description: Assa Laboratory (2 Greve Driving Overs) 4.9200 0.0000 CY2016 Co-product: 0.00 Tasyr. Year Correct: Torkin Springs, LLC: AOOP AP1041-9283 (SMOPT CA P1041-7286 4.9200 0.0000 CY2016 Co-product: 0.00 Tasyr. System Description: Assa Laboratory (2 Greve Driving Overs) CY2016 Tacility Total 4.9200 0.0000 CY2010 Co-product: 0.00 Tasyr. CY2017 Facility Total 4.9200 0.0000 CY2010 Co-product: 0.00 Tasyr. CY2017 Co-product: 0.00 Tasyr. CY2017 Facility Total 4.9200 0.0000 CY2016 Co-product: 0.00 Tasyr. CY2017 Co-product: 0.00 Tasyr. CY2017 Facility Total 4.9200 0.0000 CY2016 Co-product: 0.00 Tasyr. CY2017 Facility Total 4.9200 0.0000 CY2016 Co-product: 0.00 Tasyr. CY2017 Facility Total 4.9200 0.0000 CY2016 Co-product: 0.00 Tasyr. CY2016 Co-product		CY2013 Facility T				
CY2015 Facility Total: 2.4156 0.0000 CY2015 Co-product: 0.00 lbs/r. Source: Torkin Spring_LIC: ACOP AP1041-0482.03; MOPTC AP1041-273 VEX015 Co-product: 0.0000 CY2015 Co-product: 0.000 Ibs/r. CY2015 Co-product: CY2015 Facility Total: 4.9200 0.0000 CY2015 Co						
CY2016 Facility Total: 0.0000 V2016 Co-product: 0.00 lbs/yr. Source: Tonkin Springs. LLC: ACOP AP1041-4028 (Second Second Seco						
Source: M. Hamilton, LLC: AOCP AP1041-0482.03: MOPTC AP1041-2788 Hg 4.8200 0.0000 Petential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2010 Facility Total: 4.8200 0.0000 Petential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2011 Facility Total: 4.8200 0.0000 CY2010 C-popodat: 0.0000 EV2010 C-popodat: 0.0000 CY2010 C-popodat: 0.0000 CY2011 C-popodat: 0.0000 CY2012 C-popodat: 0.0000 CY2012 C-popodat: 0.0000 CY2012 C-popodat: 0.0000 CY2014 C-popodat: 0.0000 CY2015 C-popodat: 0.0000 CY2015 C-popodat: 0.0000 CY2016 C-popodat: 0.000 CY2016 C-popodat: 0.000 CY2016 C-popodat: 0.000 CY2016 C-popodat: 0.000 CY2016 C-popodat: <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
System Description: Assay Laboratory (2 Grieve Drying Overs) Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. H CV2010 Facility Total: 4.9200 0.0000 CV2011 Columbia 0.0000 <td< td=""><td>Source: Tonkin Springs LLC: AQQ</td><td></td><td></td><td></td><td></td><td></td></td<>	Source: Tonkin Springs LLC: AQQ					
Hg Hg<	System Description: Assay Laborate	ary (2 Grieve Drving Ovens)	1041 2720			
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	9	CY2010 Eacility T				
CY2012 Facility Total: 4.9200 CY2013 Facility Total: 4.9200 CY2014 Facility Total: 4.9200 CY2014 Facility Total: 4.9200 CY2015 Facility Total: 4.9200 CY2016 Facility Total: 4.9200 CY2016 Facility Total: 4.9200 CY2016 Facility Total: 4.9200 System Description: Mercury Retort (52.0037/14.001) 0 Hg 0.00 fby Hg 0.000 fby Hg 0.000 fby Hg						
CY2013 Facility Total: 4.9200 CY2014 Facility Total: 4.9200 CY2015 Facility Total: 4.9200 CY2015 Facility Total: 4.9200 Source: Mt. Hamiltion, LLC: AQOP AP1041-3500; MOPTC AP1041-3500 0.0000 CY2016 Co-product: 0.00 lbs/r. System Description: Mercury Retort (S2:003/TU4.001) 0.0000 CY2016 Co-product: 0.00 lbs/r. Hg 0.000 0 0.0000 CY2016 Co-product: 0.00 lbs/r. Hg 0.000 0 0.0000 CY2016 Co-product: 0.00 lbs/r. System Description: Mercury Retort (S2:003/TU4.002) Us/hr 0.0000 Carbon Regeneration Klin did not operate, not yet constructed. Hg 0.000 10s/hr 0.0000 0 0.0000 System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2:006 - S2:010/TU4.004 - TU4.008) Us/hr 0.0000 Hg 0.000 0 0.0000 EW Cells and P/B Tanks did not operate, not yet constructed. System Description: Assay Laboratory (14 Thermal Units) 0.0000 0.0000 0.0000 CY2016 Facility Total: 0.0000 System Description: Assay Laboratory (14 Thermal Units) 0.0000						
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CY2015 Facility Total: 4.9200 0.0000 CY2016 Co-product: 0.000 lbs/yr. Source: Mt. Hamilton, LLC: AQDP AP1041-3500; MOPTC AP1041-3500 Wercury Retort (S2.003/TU4.001) 0.0000 CY2016 Co-product: 0.000 lbs/yr. Hg 0.00 typ 0 lbs/hr 0.0000 0 0.0000 CY2016 Co-product: 0.00 lbs/yr. Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.0000 Carbon Regeneration Kiln did not operate, not yet constructed. System Description: ADR Plant: Statoon Kiln (S2.0048/TU4.002) 0 lbs/hr 0.0000 Carbon Regeneration Kiln did not operate, not yet constructed. System Description: ADR Plant: Statoon Kiln did not operate, not yet constructed. System Description: ADV on the provide constructed. System Description: Mag 0.00 tpy 0 lbs/hr 0.0000 Construct System Description: ADV on the provide constructed. System Description: ADV on the provide constructed. System Description: ADV on the provide constructed. System Description: A						
CY2016 Facility Total: 4.9200 0.0000 CY2016 Co-product: 0.00 Ibsyr. System Description: Mercury Retort (S2.003/TU4.001) 0 0.0000 Mercury Retort (did not operate, not yet constructed. System Description: ADD Iby 0 Ibs/hr 0.0000 0 0.0000 Hg 0.00 tby 0 Ibs/hr 0.0000 0 0.0000 System Description: ADD Relat: Sector ADD Relat:						
Source: ML Hamilton, LUC: AOOP AP1041-3500: MOPTC AP1041-3520 System Description: Mercury Retort (S2.003/TU4.001) Hg 0.000 (brcury Retort did not operate, not yet constructed. System Description: ADR Plant: Carbon Kin (S2.004B/TU4.002) Mercury Retort did not operate, not yet constructed. Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.0000 System Description: ADR Plant: Smelting Furnace (S2.005/TU4.003) 0 0.0000 0 0.0000 System Description: ADR Plant: Electro-winning Calls and P/B Tanks (S2.006 - S2.010/TU4.004 - TU4.008) Hg 0.00 10.0000 0 0.0000 System Description: Mercury Retort did not operate, not yet constructed. System Description: ASay Laboratory (14 Thermal Units) 0.0000 0 0.0000 Facility-wide mercury co-product colected - Retort. System Description: ASay Laboratory (14 Thermal Units) 0.0000 0.0000 0.0000 CY2015 Facility Total: 0.0000 0.0000 CY2015 C-product: 0.00 lbs/hr. 0.0000 CY2015 C-product: 0.00 lbs/hr. 0.0000 CY2015 C-product						
System Description: Mercury Retort (52.003/TU4.001) Hg 0.00 lbs/hr 0.000 0 0.0000 Mercury Retort did not operate, not yet constructed. System Description: ADR Plant: Carbon Rim (S2.004B/TU4.002) Carbon Regeneration Klin did not operate, not yet constructed. System Description: ADR Plant: Sector Struct (S2.005/TU4.003) Carbon Regeneration Klin did not operate, not yet constructed. System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.006 - S2.010/TU4.004 - TU4.008) 0 0.0000 Smelting Furnace did not operate, not yet constructed. Hg 0.00 tpy 0 Ibs/hr 0.0000 0 0.0000 System Description: Mercury Co-Product 0 0.0000 Potential to emit (PTE) of 4.11 lbs/yr, not actual - see DM Technical Review. GY2015 Facility Total: 0.0000 0.0000 CY2015 Co-product: 0.00 lbs/yr. V2105 Facility Total: 0.0000 0 0.0000 CY2016 Co-product: 0.00 lbs/yr. System Description: ADR Plant: Mercury Retort (S2.003/TU4.001) 0.0000 CY2015 Facility Total: 0.0000 System Descrip	Source: Mt Hamiltion LLC: AOOP	/				
Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.0000 Mercury Retort did not operate, not yet constructed. System Description: ADR Plant: Carbon Kin (S2.004B/TU4.002) 0 0.000 0 0.0000 Carbon Regeneration Kiln did not operate, not yet constructed. System Description: ADR Plant: Smelting Furnace (S2.005/TU4.003) 0 0.0000 Smelting Furnace did not operate, not yet constructed. Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.0000 System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.006 - S2.010/TU4.004 - TU4.008) EWC cells and P/B Tanks did not operate, not yet constructed. System Description: ADR Plant: Bector did not operate, not yet constructed. EWC constructed. Hg 0.00 0 0.0000 EWC cells and P/B Tanks did not operate, not yet constructed. System Description: Assay Laboratory (14 Thermal Units) 0.0000 0.0000 EV2016 Facility Total: 0.0000 0.0000 CY2016 Co-product: 0.0000 CY2016 Co-product: 0.0000 0.0000 CY2016 Facility Total: <td< td=""><td></td><td></td><td>0020</td><td></td><td></td><td></td></td<>			0020			
System Description: ADR Plant: Carbon Kiln (\$2.004B/TU4.002) 0 Ibs/hr 0.0000 0 0.0000 Carbon Regeneration Kiln did not operate, not yet constructed. System Description: ADR Plant: Smelling Furnace (\$2.005/TU4.003) 0 0.0000 Smelling Furnace did not operate, not yet constructed. System Description: ADR Plant: Electrowninno Cells and P/B Tanks (\$2.006 - \$2.007/U4.004 - TU4.008) Smelling Furnace did not operate, not yet constructed. Hg 0.00 tpy 0 Ibs/hr 0.0000 0 0.0000 EWC Cells and P/B Tanks did not operate, not yet constructed. System Description: Mercury Co-Product 0.0000 0.0000 Facility-wide mercury co-product collected - Retort. Hg 0.0000 0.0000 0.0000 CY2015 Facility Total: 0.0000 0.0000 CY2015 Co-product: 0.00 lbs/yr. Hg 0.00 0.0000 0 0.0000 CY2015 Co-product: 0.00 lbs/yr. Source: WK Mining (USA) LTD: AQOP AP1041-3669; MOPTC AP1041-3669 OCY2015 Co-product: 0.00 lbs/yr. OCY2015 Co-product: 0.00 lbs/yr. OCY2015 Co-product:			r 0.0000	0	0.0000	Mercury Retort did not operate, not vet constructed.
Hg 0.0 tpy 0 lbs/hr 0.0000 Carbon Regeneration Kiln did not operate, not yet constructed. System Description: ADR Plant: Smelting Furnace (S2.005/TU4.003) Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.006 - S2.010/TU4.004 - TU4.008) EWC Cells and P/B Tanks did not operate, not yet constructed. Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.0000 EWC Cells and P/B Tanks did not operate, not yet constructed. System Description: Mercury Co-Product EWC Cells and P/B Tanks did not operate, not yet constructed. Cells and P/B Tanks did not operate, not yet constructed. Hg 0 0.0000 0.0000 0.0000 Facility-wide mercury co-product collected - Retort. Hg 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 CY2015 Co-product: 0.00 lbs/r. Hg 0.0000 0.0000 0.0000 0.0000 0.0000 CY2015 Co-product: 0.00 lbs/r. Source: WK Mining (USA) LTD: ADOP AP1041-3670; OPTC AP1041-3668; MOPTC AP1041-3669 Source: WK Mining USA) Mercury				-		
System Description: ADR Plant: Smelting Furnace (S2.005/TU4.003) 0 0.000 0 0.000 Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.000 System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.006 - S2.010/TU4.004 - TU4.008)			r 0.0000	0	0.0000	Carbon Regeneration Kiln did not operate, not vet constructed.
Hg 0.00 tpy 0 lbs/hr 0.000 0 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Electro-winning Cellis and P/B Tanks (S2.006 - S2.010/TU4.004 - TU4.008) EW Cells and P/B Tanks did not operate, not yet constructed. Hg 0.00 tpy 0 lbs/hr 0.0000 0.0000 EW Cells and P/B Tanks did not operate, not yet constructed. System Description: Assay Laboratory (14 Thermal Units) 0.0000 0.0000 Potential to emit (PTE) of 4.11 lbs/yr, not actual - see DM Technical Review. System Description: Assay Laboratory (14 Thermal Units) 0.0000 0.0000 CY2015 Facility Total: 0.0000 0.0000 CY2015 Co-product: 0.00 lbs/yr. GY2016 Facility Total: 0.0000 0 0.0000 CY2016 Co-product: 0.00 lbs/yr. System Description: ADR Plant: Mercury Retort (S2.003/TU4.001) Hg 0.0000 0 0.0000 Mercury Retort did not operate, not yet constructed. System Description: ADR Plant: Smelting Furnace (S2.004/TU4.002) Mercury Retort did not operate, not yet constructed. Hg 0.00 <th< td=""><td></td><td></td><td></td><td>4</td><td></td><td></td></th<>				4		
System Description: ADR Plant: Electro-winning Cells and P/B Tanks (\$2.006 - \$2.010/TU4.004 - TU4.008) Hg 0.00 ty 0 lbs/hr 0.000 0 0.0000 EW Cells and P/B Tanks did not operate, not yet constructed. System Description: Mercury Co-Product 0.0000 0.0000 Facility-wide mercury co-product collected - Retort. Hg 0.0000 0.0000 0.0000 CY2015 Facility Total: 0.0000 0.0000 CY2015 Co-product: 0.0010 lbs/yr. CY2016 Facility Total: 0.0000 0.0000 CY2016 Co-product: 0.0000 lbs/yr. System Description: ADR Plant: Mercury Retort (S2.004/TU4.001) 0.0000 0.0000 CY2016 Co-product: 0.00 lbs/yr. System Description: ADR Plant: Mercury Retort (S2.004/TU4.002) Mercury Retort did not operate, not yet constructed. Hg 0.00 tbs/hr 0.0000 0 0.0000 Smelling Furnace did not operate, not yet constructed. System Description: ADR Plant: Sector AT1041.3668; MOPTC AP1041-3669 Smelling Furnace did not operate, not yet constructed. System Description: ADR Plan				0	0.0000	Smelting Furnace did not operate, not yet constructed.
Hg 0.00 tpy 0 lbs/hr 0.0000 EW Cells and P/B Tanks did not operate, not yet constructed. System Description: Mercury Co-Product 0.0000 Facility-wide mercury co-product collected - Retort. System Description: Assay Laboratory (14 Thermal Units) 0.0000 Potential to emit (PTE) of 4.11 lbs/yr, not actual - see DM Technical Review. CY2015 Facility Total: 0.0000 0.0000 CY2016 Co-product: 0.0000 CW2016 Co-product: 0.0000 CW2016 Co-product: 0.0000 0.0000 CW2016 Co-	System Description: ADR Plant: Ele		s (S2.006 - S2.010/TU4.0	04 - TU4.008))	
System Description: Mercury Co-Product Hg 0.0000 Facility-wide mercury co-product collected - Retort. System Description: Assay Laboratory (14 Thermal Units) 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. CY2016 Facility Total: 0.0000 CY2016 Co-product: 0.00 lbs/yr. Source: WK Mining (USA) LTD.: AQOP AP1041-3670; OPTC AP1041-3668; MOPTC AP1041-3669 System Description: ADR Plant: Mercury Retort (S2.003/TU4.001) Hg 0.00 tbs/hr 0.0000 0 0.0000 System Description: ADR Plant: Mercury Retort (S2.003/TU4.002) Hg 0.000 to operate, not yet constructed. System Description: ADR Plant: Seconstructed. 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Carbon Regeneration Kiln (S2.005/TU4.003) Hg 0.000 0 0.0000 Hg 0.00 1bs/hr 0.0000 0 0.0000 Smelting Furnace did not operate, not yet construc	Hg 0.00	tpy 0 lbs/h				EW Cells and P/B Tanks did not operate, not yet constructed.
Hg 0.000 0.0000 Facility-wide mercury co-product collected - Retort. System Description: Assay Laboratory (14 Thermal Units) 0.0000 0.0000 Potential to emit (PTE) of 4.11 lbs/yr, not actual - see DM Technical Review. Hg 0 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. CY2016 Facility Total: 0.0000 CY2016 Co-product: 0.00 lbs/yr. System Description: ADR Plant: Mercury Retort (S2.003/TU4.001) Use the second to the secon	System Description: Mercury Co-Pro	oduct				
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 CY2015 Co-product: 0.00 lbs/yr. CY2016 Facility Total: 0.0000 CY2016 Co-product: 0.00 lbs/yr. Source: WK Mining (USA) LTD: AQOP AP1041-3663; MOPTC AP1041-3668; MOPTC AP1041-3669 CY2016 Co-product: 0.00 lbs/yr. System Description: ADR Plant: Mercury Retort (S2.003/TU4.001) 0.0000 CY2016 Co-product: 0.00 lbs/yr. Hg 0.00 tpy 0 lbs/hr 0.0000 CY2016 Co-product: 0.00 lbs/yr. System Description: ADR Plant: Mercury Retort (S2.003/TU4.002) Vertice Vertice Vertice Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Carbon Regeneration Kiln (S2.005/TU4.003) Vertice Vertice Vertice Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant:	Hg		0.0000		0.0000	Facility-wide mercury co-product collected - Retort.
CY2015 Facility Total: 0.0000 CY2015 Co-product: 0.00 lbs/yr. Source: WK Mining (USA) LTD.: AQOP AP1041-3670; OPTC AP1041-3668; MOPTC AP1041-3669 0.0000 CY2016 Co-product: 0.00 lbs/yr. System Description: ADR Plant: Mercury Retort (S2.003/TU4.001) 0 0.0000 Mercury Retort did not operate, not yet constructed. System Description: ADR Plant: Smelting Furnace (S2.004/TU4.002) 0 0.0000 0 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Smelting Furnace (S2.004/TU4.002) 0 0.0000 0 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Carbon Regeneration Klin (S2.005/TU4.003) 0 0.0000 Smelting Furnace did not operate, not yet constructed. Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.0000 System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.009/TU4.004 - TU4.007) Hg 0.00 0 0.0000 EW Cells and P/B Tanks did not operate, not yet constructed. System Description: </td <td>System Description: Assay Laborate</td> <td>ory (14 Thermal Units)</td> <td>•</td> <td></td> <td>•</td> <td></td>	System Description: Assay Laborate	ory (14 Thermal Units)	•		•	
CY2016 Facility Total: 0.000 CY2016 Co-product: 0.00 lbs/yr. Source: WK Mining (USA) LTD.: AQOP AP1041-3670; OPTC AP1041-3668; MOPTC AP1041-3669 System Description: ADR Plant: Mercury Retort (S2.003/TU4.001) Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.0000 Mercury Retort did not operate, not yet constructed. System Description: ADR Plant: Smelting Furnace (S2.004/TU4.002) Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Carbon Regeneration Kiln (S2.005/TU4.003) 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Carbon Regeneration Kiln (S2.005/TU4.003)	Hg		0.0000		0.0000	Potential to emit (PTE) of 4.11 lbs/yr, not actual - see DM Technical Review.
Source: WK Mining (USA) LTD.: AQOP AP1041-3670; OPTC AP1041-3668; MOPTC AP1041-3669 System Description: ADR Plant: Mercury Retort (\$2.003/TU4.001) Hg 0.00 tpy 0 Bystem Description: ADR Plant: Smelting Furnace (\$2.004/TU4.002) Hg 0.00 tpy 0 Bystem Description: ADR Plant: Carbon Regeneration Kiln (\$2.005/TU4.003) Hg 0.00 tpy 0 Ibs/hr 0.0000 0 0.0000 System Description: ADR Plant: Carbon Regeneration Kiln (\$2.005/TU4.003) Hg 0.00 tpy 0 Ibs/hr 0.0000 0 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Electro-winning Cells and P/B Tanks (\$2.006 - \$2.009/TU4.004 - TU4.007) Hg 0.00 0 0.0000 EW Cells and P/B Tanks did not operate, not yet constructed. System Description: Mercury Co-Product U 0.0000 0 0.0000 EW Cells and P/B Tanks did not operate, not yet constructed. System Description: Mercury Co-Product U 0.0000 0.0000 EW Cells and P/B Tanks did not operate, not yet construc		CY2015 Facility T	otal: 0.0000		0.0000	CY2015 Co-product: 0.00 lbs/yr.
System Description: ADR Plant: Mercury Retort (S2.003/TU4.001) Hg 0.00 tpy 0 lbs/hr 0.000 0 0.0000 Mercury Retort did not operate, not yet constructed. System Description: ADR Plant: Smelting Furnace (S2.004/TU4.002)		CY2016 Facility T	otal: 0.0000		0.0000	CY2016 Co-product: 0.00 lbs/yr.
Hg 0.00 tpy 0 lbs/hr 0.000 0 0.000 Mercury Retort did not operate, not yet constructed. System Description: ADR Plant: Smelting Furnace (S2.004/TU4.002) 0 0.000 0 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Carbon Regeneration Kiln (S2.005/TU4.003) 0 0.0000 Smelting Furnace did not operate, not yet constructed. Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.0000 System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.006 - S2.009/TU4.004 - TU4.007) Hg 0.000 perate, not yet constructed. System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.006 - S2.009/TU4.004 - TU4.007) Hg 0.000 perate, not yet constructed. System Description: Mercury Co-Product 0.0000 0.0000 EW Cells and P/B Tanks did not operate, not yet constructed. System Description: Mercury Co-Product Hg 0.0000 0.0000 0.0000 Facility-wide mercury co-product collected. System Description: De			41-3668; MOPTC AP1041	1-3669		
Hg 0.00 tpy 0 lbs/hr 0.000 0 0.000 Mercury Retort did not operate, not yet constructed. System Description: ADR Plant: Smelting Furnace (S2.004/TU4.002) 0 0.000 0 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Carbon Regeneration Kiln (S2.005/TU4.003) 0 0.0000 Smelting Furnace did not operate, not yet constructed. Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.0000 System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.006 - S2.009/TU4.004 - TU4.007) Hg 0.000 perate, not yet constructed. System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.006 - S2.009/TU4.004 - TU4.007) Hg 0.000 perate, not yet constructed. System Description: Mercury Co-Product 0.0000 0.0000 EW Cells and P/B Tanks did not operate, not yet constructed. System Description: Mercury Co-Product Hg 0.0000 0.0000 0.0000 Facility-wide mercury co-product collected. System Description: De		ercury Retort (S2.003/TU4.001)				
Hg 0.00 tpy 0 lbs/hr 0.000 0 0.000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Carbon Regeneration Kiln (S2.005/TU4.003) 0 0.000 Smelting Furnace did not operate, not yet constructed. Hg 0.00 tpy 0 lbs/hr 0.0000 0 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.006 - S2.009/TU4.004 - TU4.007) -	Hg 0.00	tpy 0 lbs/h		0	0.0000	Mercury Retort did not operate, not yet constructed.
System Description: ADR Plant: Carbon Regeneration Kiln (S2.005/TU4.003) 0 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.006 - S2.009/TU4.004 - TU4.007) Hg 0.00 EW Cells and P/B Tanks did not operate, not yet constructed. Hg 0.00 tpy 0 Ibs/hr 0.0000 0 0.0000 Hg 0.00 tpy 0 Ibs/hr 0.0000 0 0.0000 System Description: Mercury Co-Product	System Description: ADR Plant: Sn	nelting Furnace (S2.004/TU4.002)			
Hg 0.00 tpy 0 lbs/hr 0.000 0.0000 Smelting Furnace did not operate, not yet constructed. System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.006 - S2.009/TU4.004 - TU4.007)				0	0.0000	Smelting Furnace did not operate, not yet constructed.
System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.006 - S2.009/TU4.004 - TU4.007) Hg 0.00 tpy 0 lbs/hr 0.0000 EW Cells and P/B Tanks did not operate, not yet constructed. System Description: Mercury Co-Product 0 0.0000 Facility-wide mercury co-product collected. Hg 0.0000 0.0000 Facility-wide mercury co-product collected. System Description: De Minimis Designation 0.0000 0.0000 No DM Designation currently issued. Hg 0.0000 0.0000 0.0000 O.0000 No DM Designation currently issued.	System Description: ADR Plant: Ca	rbon Regeneration Kiln (S2.005/	TU4.003)			
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 Description: Mercury Co-Product 0.0000 0.0000 Facility-wide mercury co-product collected. Hg 0 0.0000 0.0000 Facility-wide mercury co-product collected. System Description: De Minimis Designation 0.0000 No DM Designation currently issued. Hg 0.0000 0.0000 O.0000 No DM Designation currently issued.		tpy 0 lbs/h				Smelting Furnace did not operate, not yet constructed.
System Description: Mercury Co-Product Hg 0.0000 0.0000 Facility-wide mercury co-product collected. System Description: De Minimis Designation 0.0000 0.0000 No DM Designation currently issued. Hg 0.0000 0.0000 0.0000 OLODOD OLODOD Hg 0.0000 0.0000 OLODOD OLODOD OLODOD CY2016 Facility Total: 0.0000 0.0000 CY2016 Co-product: 0.00 lbs/yr.		ectro-winning Cells and P/B Tank		04 - TU4.007))	
Hg 0.0000 0.0000 Facility-wide mercury co-product collected. System Description: De Minimis Designation 0.0000 0.0000 No DM Designation currently issued. Hg CY2016 Facility Total: 0.0000 0.0000 CY2016 Co-product: 0.00 lbs/yr.			r 0.0000	0	0.0000	EW Cells and P/B Tanks did not operate, not yet constructed.
System Description: De Minimis Designation Hg 0.0000 0.0000 No DM Designation currently issued. CY2016 Facility Total: 0.0000 0.0000 CY2016 Co-product: 0.00 lbs/yr.		oduct				
Hg 0.0000 0.0000 No DM Designation currently issued. CY2016 Facility Total: 0.0000 0.0000 CY2016 Co-product: 0.00 lbs/yr.			0.0000		0.0000	Facility-wide mercury co-product collected.
CY2016 Facility Total: 0.0000 0.0000 0.0000 0.0000 0.000 000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000000		signation				
	Hg					
CY2016 Facility Total: 0.00000 0.00000 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 0.0000 0.00000						
		CY2016 Facility T	otal: 0.0000		0.0000	CY2016 Co-product: 0.00 lbs/yr.

Source: Comstock Mining, LLC (formerly Plum	Mining Compony 1101: AC			041.0000	
		JOP AP1041-2761; M	IOPTC APT	041-2690	
System Description: Mercury Retort (S2.025/T		0.4075	0.477	0.0000	
Hg 32.52 tpy	0.0000568 lbs/hr	0.1975	3,477	0.0000	Retort emissions factor derived from 2015 M29 stack test.
System Description: Refinery Furnace (S2.026		0.0000		0.0000	
Hg 0.00 tpy System Description: Mercury Co-Product	0 lbs/hr	0.0000	0	0.0000	Furnace shut down early 2014, unknown where precipitate is being smelted.
· · · · · · · · · · · · · · · · · · ·		0.0000		0.0000	Facility wide means we are duct as larger Datest
Hg System Description: Assay Laboratory (12 The		0.0000		0.0000	Facility-wide mercury co-product collected - Retort.
	ermai Units)	0.0000		0.0000	Detecticity and (DTE) activity and De Minimia Designation Tech. Dev
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.
Source: Mineral Ridge Gold, LLC: AQOP AP1		-2222			
System Description: Assay Laboratory (9 Ther	mai Units)	0.005/	1		
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.
Source: Aurum Joint Venture, LLC: AQOP AF	21041-2511; MOPTC AP104	1-2638 - Permits term	inated for no	on-payment of	FY2016 annual fees.
System Description:			1	1	
Hg		0.0000		0.0000	
	CY2009 Facility Total:	2.7962		0.0000	CY2009 Co-product: 0.00 lbs/yr.
	CY2010 Facility Total:	2.7962		0.0000	CY2010 Co-product: 0.00 lbs/yr.
	CY2011 Facility Total:	2.7982		0.0000	CY2011 Co-product: 0.00 lbs/yr.
	CY2012 Facility Total:	2.7982		0.0000	CY2012 Co-product: 0.00 lbs/yr.
	CY2013 Facility Total:	2.7982		0.0000	CY2013 Co-product: 0.00 lbs/yr.
	CY2014 Facility Total:	2.7982		0.0000	CY2014 Co-product: 0.00 lbs/yr.
	CY2015 Facility Total:	0.0000		0.0000	Permit terminated.
	CY2016 Facility Total:	0.0000		0.0000	Permit terminated.
Source: Goldwedge, LLC - Goldwedge Mine (f		ompany): AQOP AP1	1041-1457; I	MOPTC AP104	41-2303
System Description: Assay Laboratory & Dore	Smelting Furnace		1		
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		0.0000	CY2010 Co-product: 0.00 lbs/yr.
	CY2011 Facility Total:	4.1040		0.0000	CY2011 Co-product: 0.00 lbs/yr.
	CY2012 Facility Total:	4.4661		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		0.0000	CY2014 Co-product: 0.00 lbs/yr.
	CY2015 Facility Total: CY2016 Facility Total:	0.3624 0.3624		0.0000	CY2015 Co-product: 0.00 lbs/yr. CY2016 Co-product: 0.00 lbs/yr.

Source: Nev	ource: Newmont Mining Corporation - Phoenix Mine: AQOP AP1041-0220.03; MOPTC AP1041-2247							
	System Description: Electric Carbon Regeneration Kiln (S2.002/TU4.001)							
Hg	2,153.00	tpy	0.0000129	lbs/hr	0.0463	3,588	0.0000	Carbon Kiln emissions factor derived from 2016 M29 stack test.
System Dese	System Description: Mercury Retort (S2.014/TU4.002)							
Hg	6.00	tpy	5.92E-07	lbs/hr	0.0002	330	0.0000	Retort emissions factor derived from July 2016 M29 stack test.
System Des	cription: Mercury	Co-Product						
Hg					0.0000		0.0000	Facility-wide mercury co-product collected - Retort.
System Des	cription: Pregnant	t & Barren Tanks,	Electro-winni	ng Cells, Dry	ng Oven and 2 AA Un	its. SXEW E	W Cells and N	Metallurgical Lab DM status pending determination.
Hg					0.5773		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
			CY2006 F	Facility Total:	2.3061		0.0000	CY2006 Co-product: 0.00 lbs/yr.
			CY2007 F	Facility Total:	0.4579		0.0000	CY2007 Co-product: 0.00 lbs/yr.
			CY2008 F	Facility Total:	0.8053		0.0000	CY2008 Co-product: 0.00 lbs/yr.
			CY2009 F	Facility Total:	1.3102		0.0000	CY2009 Co-product: 0.00 lbs/yr.
			CY2010 F	Facility Total:	0.3835		0.0000	CY2010 Co-product: 0.00 lbs/yr.
			CY2011 F	Facility Total:	0.3749		0.0000	CY2011 Co-product: 0.00 lbs/yr.
			CY2012	Facility Total:	0.3724		0.0000	CY2012 Co-product: 0.00 lbs/yr.
			CY2013	Facility Total:	0.5415		0.0370	CY2013 Co-product: 60 lbs/yr.
			CY2014	Facility Total:	0.5799		0.0000	CY2014 Co-product: 0.00 lbs/yr.
			CY2015 F	Facility Total:	0.5814		0.0000	CY2015 Co-product: 0.00 lbs/yr.
			CY2016 Fa	acility Total:	0.6238		0.0000	CY2016 Co-product: 0.00 lbs/yr.

Source: Barr	rick Goldstrike Mir	nes. Inc.: AQOP	AP1041-0739	.01: OPTC A	P1041-2805; MOPTC	AP1041-222	21	
		,		,	Grinding Process (S2.2			2/TU4.001)
Hg	2,661,375.00	tpy	0.00102406		8.14742136	7.956	0.0000	Mill Circuit #1 emissions factor derived from 2016 M29 stack test.
					Grinding Process (S2.)	206 & S2.20	7.01 - S2.207.1	
Ha	2.461.069.00	tpy	0.001539	lbs/hr	12.185802	7.918	0.0000	Mill Circuit #2 emissions factor derived from 2016 M29 stack test.
System Desc	ription: Roasters		.1 & S2.209.2	/TU4.003 & T	U4.004)			
Hg	5,695,260.00	tpy	0.019832	lbs/hr	147.708736	7,448	0.0000	Roaster Circuit emissions factor derived from 2016 M29 stack test. Testing was conducted during dual Roaster operations. Annual hours operated is the average of individual Roaster operations. Roaster #1 operated 7,463 hrs/yr, Roaster #2 operated 7,433 hrs/yr.
,	ription: North Ro					r	F	
Hg	2,968,235.00	tpy	0.002388	lbs/hr	17.821644	7,463	0.0000	Quench Circuit #1 emissions factor derived from 2016 M29 stack test.
	ription: South Ro							
Hg	2,727,016.00	tpy	0.003483	lbs/hr	25.889139	7,433	0.0000	Quench Circuit #2 emissions factor derived from 2016 M29 stack test.
System Desc	ription: Analytica			4.007)		-		
Hg	44.00	tpy	0.00026	lbs/hr	2.2825	8,779	0.0000	Assay Lab emissions factor derived from 2016 M29 satck test.
System Desc	ription: Carbon F	Reactivation Kiln ((S2.004.1/TU4	1.008)				
Hg	4,709.00	tpy	0.0000405	lbs/hr	0.1631	4,027	0.0000	Carbon Kiln emissions factor derived from 2016 M29 stack test.
System Desc	ription: Pregnant	& Barren Strip S	olution Tanks	- Circuit A (T	U4.009 & TU4.011)			
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.
System Desc	ription: Pregnant	& Barren Strip S	olution Tanks	- Circuit B (T	U4.010 & TU4.012)			
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.
System Desc	ription: Autoclave	e #1 (S2.015/TU4	1.013)			Acidic	Operation	
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Autoclave #1 did not operate in 2016.
System Desc	ription: Autoclave	es #2 & 3 (S2.016	6 & S2.017/TU	J4.014 & TU4	.015))	Acidic	Operation	
Hq	1.774.461.00	tpy	0.00454	lbs/hr	32.5064	7.160	0.0000	Autoclaves #2 & 3 emissions factor derived from 2016 M29 stack tests. Testing was conducted during dual Autoclave operations. Annual hours operated is the average of individual Autoclave operations. Autoclave #2 operated 7,483 hrs/yr, Autoclave #3 operated 6,836 hrs/yr.
	ription: Autoclave						Operation	
System Desc	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Annual Emissions Reporting Form does not specify under which operating scenario testing was conducted, or whether dual scenario operations were undertaken. Therefore, all hours, throughput, and emissions are reported under Alkaline mode.
	ription: Autoclave		- S2.020/TU4			Alkaline	e Operation	
Hq	2.192.231.00	X	0.000175	lbs/hr	1.1914	6.808	0.0000	Autoclaves #4 - 6 emissions factor derived from 2016 M29 stack test. Testing was conducted during simultaneous operations. Annual hours operated is the average of individual Autoclave operations. Autoclave #4 operated 6,212 hrs/yr; #5 operated 6,729 hrs/yr; and #6 operated 7,484 hrs/yr.
пу	2,192,231.00	tpy	0.000175	105/11	1.1914	0,000	0.0000	

System Desc	ription: Mercury F	Retort #1 (S2.009	9/TU4.019)					
Hg	42.00	tpy	4.07E-07	lbs/hr	0.0011	2,714	0.0000	Retort #1 emissions factor derived from 2016 M29 stack test.
System Desc	ription: Mercury F	Retort #2 (S2.010	0/TU4.020)					
Hg	40.00	tpy	9.49E-08	lbs/hr	0.0003	2,761	0.0000	Retort#2 emissions factor derived from 2016 M29 stack test.
System Desc	ription: Mercury I	Retort #3 (S2.01	1/TU4.021)					
Hg	44.00	tpy	4.23E-07	lbs/hr	0.0012	2,944	0.0000	Retort #3 emissions factor derived from 2016 M29 stack test.
System Desc	ription: Mercury F	Retort #4 (S2.34 ⁻	1/TU4.025)					
Hg	6.00	tpy	7.16E-07	lbs/hr	0.0005	703	0.0000	Retort #4 emissions factor derived from 2016 M29 stack test.
System Desc	ription: East & W	est Refinery Fur	naces & Electr	o-winning Ce	Ils combined vented th	nrough a cor	nmon carbon fi	ilter and stack (S2.013 & S2.014/TU4.022 & TU4.023)
Hq	112.00	tpy	0.0201	lbs/hr	16.7232	832	0.0000	Furnaces's/EW Cells emissions factor derived from 2016 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 787 hrs/yr; West Furnace (TU4.023) operated 877 hrs/yr.
	ription: Electro-w		(TU4.024)					
Ha	Not Reported	gals/yr	0.00019	lbs/hr	1.4068	7.404	0.0000	EW Cells emissions factor derived from 2016 M29 stack test while the Furnaces were not operating. Total EW Cell operating hours were 8,236 hrs/yr. Combined Furnace/EW Cell operating hours of 832 hrs/yr. were subtracted from total hours operated to arrive at 7,404 hours of EW Cell operations only.
					nks (S2.333.1 - S2.333			
Hg	Not Reported	gals/yr	0.0000877	lbs/hr	0.5930	6,762	0.0000	RIL Elution Circuit Regeneration Tanks commenced operations 11/18/14. RIL Regen. Tanks emissions factor derived from March 2016 M29 stack test.
System Desc	ription: Resin-In-	Leach (RIL) Elec	stro-winning Cil	rcuit & Pregna	ant/Barren Tanks (S2.	342.1 - S2.3	42.3/104.030 ·	
Hg	Not Reported	gals/yr	0.0000819	lbs/hr	0.6286	7,675	0.0000	RIL EW Circuit & P/B Tanks commenced operations 11/24/14. RIL EW Circuit emissions factor derived from average of 2016 M29 stack tests.
	cription: Mercury (Co-Product				•	r.	
Hg					0.0000		126.6000	Facility-wide mercury co-product collected, no breakout by system provided.
	ription: Assay, M	ill, Mill Met, Auto	clave, Autoclav	ve Met and R		boratories, S		ea and Ore Fines Fee System.
Hg			0)(00000		4.5800		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				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 60.1080	CY2009 Co-product: 123,746 lbs/yr.
				acility Total:	266.9336 630.5519		59.9200	CY2010 Co-product: 120,216 lbs/yr. CY2011 Co-product: 119,840 lbs/yr.
			CY2011 Facility Total: CY2012 Facility Total:		334.9836		44.4100	CY2011 Co-product: 119,840 lbs/yr. CY2012 Co-product: 88,820 lbs/yr.
				acility Total:	334.9836 386.0257		44.4100 50.6700	CY2012 Co-product: 88,820 lbs/yr. CY2013 Co-product: 101.340 lbs/yr.
				acility Total:	227.3012		53.4000	CY2014 Co-product: 106,800 lbs/yr.
				acility Total:	273.8005		66.4800	CY2015 Co-product: 132,960 lbs/yr.
				acility Total:	273.8003 271.8309		126.6000	CY2016 Co-product: 132,900 lbs/yr. No calomel/elemental breakout provided.

CY 2016 Cu	umulative	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		Co-Product	to ensure reporting accuracy.
(lbs/yr)		(tpy)	
696.68		164.35	Co-product: 328,700 lbs/yr

CY 2015 Cumulative Totals	S	CY 2015 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
		to ensure reporting accuracy.
688.12 13	1.17	Co-product: 262,340 lbs/yr

CY 2014 Cumulative 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 (lbs/yr)			to ensure reporting accuracy.
(IDS/yr)		(tpy)	
484.21		145.12	
			Co-product: 290,240 lbs/yr

1	0.0000		
Process Emissions (Ibs/yr)		Co-Product	FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy. In some instances, 2012 test results were used due to invalidated 2013 test results.
748.63		111.57	Co-product: 223.140 lbs/vr

CY 2012 Cumulative Totals			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		Co-Product	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
Process Emissions (lbs/yr)		Co-Product (tpy)	to ensure reporting accuracy.
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			to ensure reporting accuracy.
(lbs/yr)		(tpy)	
1,134.15		101.59	Co-product: 203,180 lbs/yr

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

CY 2009 Cumulative	Totals	CY 2009 process emissions were solely derived using one consistent				
Process Emissions Ibs/yr	Co-Product tpy	FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy. In general, testing went much better in 2009 than in 2008 with far fewer testing irregularities or instances where test results were invalidated.				
1,336.46	90.18	Co-product: 180,360 lbs/yr				
CY 2008 Cumulative	Totals	CY 2008 process emissions were largely derived using one consistent				
Process Emissions Ibs/yr	Co-Product tpy	FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy. Some facilities had entire testing events, or in some cases just one or more runs of a test event, invalidated due to irregularities in testing protocol, poor sample handling procedures or laboratory errors. Yukon-Nevada Corporation - Jeritt Canyon Mine (formerly Queenstake Resources) did not test in 2008 due to the temporary NDEP ordered shutdown of the facility.				
3,165.90	102.93	Co-product: 205,860 lbs/yr				
		· · · · · · · · · · · · · · · · · · ·				
CY 2007 Cumulative	Totals	CY 2007 process emissions were largely derived using one consistent				
Process Emissions lbs/yr	Co-Product tpy	FRM testing methodology (Method 29) with scattered M101A and OHM results used in lieu of M29 due to test schedule conflicts/logistics issues. Testing protocals were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy.				
4,764.52	97.68	Co-product: 195,360 lbs/yr				
CY 2006 Cumulative Process Emissions	Co-Product	CY 2006 process emissions and co-product values were accepted "as submitted" due to variability in testing methodology, emission				
lbs/yr	tpy	calculation methods and/or the lack of current FRM test results.				
4,468.15	133.26	Co-product: 266,520 lbs/yr				