## Nevada Division of Environmental Protection Bureau of Air Pollution Control

						Air Pollution		
			Calendar				•	dum for Mercury Emissions
					Cumulative NMCP Merc			
Pollutant ID	Production/Heat			Emissions	HG Annual		HG Co-Produc	Notes
	Rate	(eg. tons/yr)		Factor Units	, ,	Operated	(tons/yr)	
					-1-0723.01; NMCP AP			
System Desc		Mill Electric Induc			001 - 1 of 2, only one o	•		
Hg	29.42	tpy	0.0000561	lbs/hr	0.0220	392	0.0000	Induction Furnace emissions factor derived from 2010 M29 stack test.
					4.002 - 1 of 2, only one			
Hg	22.63	tpy	0.0000985	lbs/hr	0.0276	280	0.0000	Induction Furnace emissions factor derived from 2010 M29 stack test.
	cription: Juniper N							Ta
Hg	5,654.78	tpy	0.000126	lbs/hr	0.9623	7,637	0.4120	Carbon Kiln emissions factor derived from 2010 M29 stack test.
_	cription: Mercury	,			0.0040	0.500	0.4040	Date t A series are factor to describe a free control MOO at a factor.
Hg	22.08	tpy	3.39E-07	lbs/hr	0.0012	3,538	2.4340	Retort A emissions factor derived from 2010 M29 stack test.
_	cription: Mercury				0.0015	0.000	0.0010	Data d D aminaiana faatan dani ad frans 0010 M00 ataul, taat
Hg	21.24	tpy	4.57E-07	lbs/hr	0.0015	3,308	2.6210	Retort B emissions factor derived from 2010 M29 stack test.
	cription: Sage Mil 1,737,609.00			lbo/br	27.1240	7.750	0.0000	Autoplayo #1 emissions factor derived from 2010 M00 steels test
Hg Cystem Deed		tpy	0.0035	lbs/hr	27.1240	7,750	0.0000	Autoclave #1 emissions factor derived from 2010 M29 stack test.
Hg	cription: Sage Mil 1,803,452.70	tpy	0.00939	lbs/hr	74.4730	7,931	0.0000	Autoclave #2 emissions factor derived from 2010 M29 stack test.
	cription: Electro-w					7,931	0.0000	Autociave #2 emissions factor derived from 2010 M29 stack test.
Hg	85.56	MMgals/yr	0.00128	lbs/hr	11.2128	8,760	0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.
					(TU4.008 - TU4.010)	0,700	0.0000	Liectio-Willing Gells emissions factor derived from 2010 M29 stack test.
Hg	69.28	MMgals/yr	0.0067	lbs/hr	58.6920	8,760	0.0000	Preg./Barren Tanks emissions factor derived from 2010 M29 stack test.
	cription: Pinon Mi				30.0320	0,700	0.0000	Treg./ Darren Tariks emissions factor derived from 2010 Wi25 Stack test.
Hg	49.61	MMgals/yr	0.0001356	lbs/hr	1.1879	8,760	0.0000	Emissions estimate - refer to attached calculation.
	cription: Pinon Mi				1.1070	0,700	0.0000	Emissions solimate form to attached salediation.
Hg	49.61	MMgals/yr	0.0001356	lbs/hr	1.1879	8.760	0.0000	Emissions estimate - refer to attached calculation.
						-,		Instrumentation Room, Met Lab Room & Autoclave Room
Hg		ry campion repr		,	3.9471		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
			CY2006 I	Facility Total:			8.9100	CY2006 Co-product: 17,820 lbs/yr
				Facility Total:			13.2160	CY2007 Co-product: 26,432 lbs/yr.
				Facility Total:			8.8000	CY2008 Co-product: 17,600 lbs/yr.
			CY2009 I	Facility Total:	425.7559	•	5.9080	CY2009 Co-product: 11,816 lbs/yr.
			CY2010 Fa	acility Total:	178.8392	•	5.4670	CY2010 Co-product: 10,934 lbs/yr.
Source: Yuk	con-Nevada Gold	Corporation - Jer	ritt Canyon Mi	ine: AQOP AF	P1041-0778; NMCP AF	21041-2217		
System Desc	cription: West Ro	aster Process (S	2.036 & PF1.2	213)				
Hg	278,398.00	tpy	0.00124	lbs/hr	6.1231	4,938	3.1000	Roaster emissions factor derived from December 2010 M29 stack test.
System Desc	cription: East Roa	aster Process (S2	2.041 & PF1.2	14)				
Hg	299,691.00	tpy	0.00323	lbs/hr	16.9381	5,244	7.8000	Roaster emissions factor derived from December 2010 M29 stack test.
	cription: Mercury	Retort (S2.051)						
Hg		tpy	0.000222	lbs/hr	0.3366	1,516	0.0000	Retort emissions factor derived from May 2011 M29 stack test.
	cription: Ore Drye							
Hg	663,781.00	tpy	0.00115	lbs/hr	4.5793	3,982	0.0000	Ore Dryer emissions factor derived from April 2010 M29 stack test.
	cription: Refining						1 2	I=
Hg	16.00	tpy	0.00342	lbs/hr	4.8393	1,415	0.1380	Furnace emissions factor derived from May 2011 M29 stack test.
	cription: Laborato	ry Units Including	Large Ore D	rying Ovens (	5 Units) and Electro-w	inning Cells		In the second se
Hg	1		0)/0005		2.1363		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				Facility Total:	293.9245		2.9600	CY2006 Co-product: 5,920 lbs/yr.
				Facility Total:	,			CY2007 Co-product: 2,040 lbs/yr.
				Facility Total:	219.9723		0.7100	CY2008 Co-product: 1,420 lbs/yr.
				Facility Total:			2.1000	CY2009 Co-product: 4,200 lbs/yr.
Causa . N				acility Total:		^	11.0380	CY2010 Co-product: lbs/yr.
					3; NMCP AP1041-221	9		
,					r: S2.120/TU4.001)	7.044	0.0000	Chatia Caranatan amining faster dari of the control 100 at all 1
Hg	3,293,216.00	tpy	0.000363	lbs/hr	2.8463	7,841	0.0000	Static Seperator emissions factor derived from 2010 M29 stack test.
					129/ TU4.002 & TU4.0		0.0000	Oro Drohostario emissione factor deviced from 0040 M00 starilitari
Hg	3,390,518.00	tpy	0.007105	lbs/hr	56.0016	7,882	0.0000	Ore Preheater's emissions factor derived from 2010 M29 stack test.
					5/TU4.004 & TU4.005		4 1000	Oro Popotorio fostor derived from 2010 MOO stank test
Hg	3,390,518.00	tpy	0.000112	lbs/hr	0.8828	7,882	4.1000	Ore Roaster's factor derived from 2010 M29 stack test.

0			1000	AD4044 070	O. NIMOD ADIOLI COL	0 /	-D	
					93; NMCP AP1041-221		a)	
					59/TU4.006 - TU4.009		0.0000	Neath Owner Circuit amining feater desired from 2040 MOO at 11.
Hg Coreteres Desc	1,346,797.00	117	0.005702	lbs/hr	44.9432	7,882	0.0000	North Quench Circuit emissions factor derived from 2010 M29 stack test.
					61/TU4.010 - TU4.013	-	0.0000	Could Council Circuit aminaiana fastar da in difference 2040 MOO at 11 and
Hg	2,043,722.00		0.005988	lbs/hr	47.1016	7,866	0.0000	South Quench Circuit emissions factor derived from 2010 M29 stack test.
					J4.014 & TU4.015)	0.404	0.000	Demonstrate Chief Teacher and advantage Control of the Control of
Hg	13,971.80	tpy	0.004398	lbs/hr	35.9800	8,181	0.0000	Pergnant Strip Tanks emissions factor derived from 2010 M29 stack test.
	cription: Refinery					7.010		ID T 1/5W0 !!
Hg	40,391,491.00		0.000893	lbs/hr	6.2885	7,042	0.0000	Barren Tank/EW Cells emissions factor derived from 2010 M29 stack test.
	cription: Refinery					0.5=5		In the second se
Hg	50.20	tpy	0.034205	lbs/hr	90.8485	2,656	1.5600	Retort Circuit emissions factor derived from 2010 M29 stack test.
					9/TU4.024 - TU4.026)			
Hg	67.60	tpy	0.003187	lbs/hr	1.6735	525	0.0000	Induction Furnace emissions factor derived from 2010 M29 stack test.
_	cription: Carbon		- 0/					Iran a de la constanta de la c
Hg	6,673.80	tpy	0.004873	lbs/hr	34.9638	7,175	0.0200	Kiln Scrubber Stack emissions factor derived from 2010 M29 stack test.
	cription: Carbon							
Hg	5,963.80	tpy	0.012036	lbs/hr	73.6724	6,121	0.0200	Kiln Scrubber Stack emissions factor derived from 2010 M29 stack test.
System Des	cription: Assay La	aboratory, Met La	boratory & Inte	egrated Labo				
Hg					1.9300		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				Facility Total:		<u> </u>	2.7200	CY2006 Co-product: 5,440 lbs/yr.
I				Facility Total:			6.1600	CY2007 Co-product: 12,320 lbs/yr.
I				Facility Total:			6.7700	CY2008 Co-product: 13,540 lbs/yr.
I				Facility Total:			5.3900	CY2008 Co-product: 10,780 lbs/yr.
			CY2010 Fa	acility Total:	397.1321	İ	5.7000	CY2010 Co-product: 11,400 lbs/yr.
Source: Nev	wmont Mining Co	rporation - Midas	Operations: A	QOP AP104	1-0766.01; NMCP AP1	1041-2253		
	cription: Refinery				,			
Hg	71.00	tpy	0.01054	lbs/hr	5.1066	485	0.0000	Furnace #1 emissions factor derived from 2010 M29 stack test.
	cription: Refinery				5000		2.3000	p. s
Hg	96.00	tpy	0.012	lbs/hr	6.6120	551	0.0000	Furnace #2 emissions factor derived from 2010 M29 stack test.
	cription: Retort A			150/111	0.0120		0.0000	p strate and strategic deliver notification when stand took
Hg	126.00	tpy	0.0000068	lbs/hr	0.0240	3,527	0.0000	Retort A emissions factor derived from 2010 M29 stack test.
	cription: Retort B			103/111	0.02-10	0,027	0.0000	protect it emissions ratio derived from 2010 Mi20 Stack test.
Hg	73.00	tpy	0.0001974	lbs/hr	0.6668	3,378	0.0000	Retort B emissions factor derived from 2010 M29 stack test.
	cription: Assay L		3.0001374	103/111	0.0000	0,070	0.0000	protote & ornibolorio rabitor delived from 2010 Mi29 Statist test.
Hg	Assay L			lbs/hr	1.8239		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
rig	1	1	CV2006	Facility Total:			0.0000	CY2006 Co-product: 0.00 lbs/yr.
I				Facility Total:		ł	0.0000	CY2007 Co-product: 0.00 lbs/yr.
I				Facility Total:		ł		
I						ł	0.0000	CY2008 Co-product: 0.00 lbs/yr.
				Facility Total: acility Total:		ł	0.0000 <b>0.0000</b>	CY2009 Co-product: 0.00 lbs/yr.
Carrier	mials Dals March	in Minn 11				0040	0.0000	CY2010 Co-product: lbs/yr.
Source: Bar	rrick, Baid Mounta	un Mine - Hunting	ton valley: A	QUP AP1041	-1362; NMCP AP1041	-2246		
	cription: Propane					0.005	0.0000	To the Mile and the feet and the desired and the control of the co
Hg	316.23	tpy	0.00137	lbs/hr	4.5009	3,285	0.0000	Carbon Kiln emissions factor derived from 2010 M29 stack test.
	cription: Propane				1			
Hg	3.69	tpy	0.0000039	lbs/hr	0.0021	540	1.4300	Retort emissions factor derived from 2010 M29 stack test.
System Des	cription: Propane	•						
	3.00	tpy	0.00137	lbs/hr	0.1082	79	0.0000	Bullion Furnace emissions factor derived from 2010 M29 stack test.
_	cription: Electro-v							
Hg	36,474.50		0.0000185	lbs/hr	0.0791	4,273	0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.
System Des	cription: Barren S	Strip Solution Tan	k (TU4.005)					Barren Strip Solution Tank vented to a common stack with Electro-winning
Hg		tpy		lbs/hr	0.0000		0.0000	Cells, therefore, emissions factor is for both units.
System Des	cription: Assay L	aboratory						
Hg					3.1285		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
		_	CY2006 I	Facility Total:	204.3025		2.9400	CY2006 Co-product: 5,880 lbs/yr.
I			CY2007 I	Facility Total:	57.4138		2.2750	CY2007 Co-product: 4,550 lbs/yr.
I				Facility Total:			2.6000	CY2008 Co-product: 5,200 lbs/yr.
				Facility Total:		İ	1.5600	CY2009 Co-product: 3,120 lbs/yr.
I				acility Total:		Ī	1.4300	CY2010 Co-product: 2,860 lbs/yr.

					QOP AP1041-1116.02	2; NMCP AP	1041-2245	
System De	escription: Carbon	Regeneration Kilr	n (S2.001/TU4	.001)				
Hg	341.90	tpy	0.000139	lbs/hr	1.1406	8,206	0.0000	Carbon Kiln emissions factor derived from 2010 M29 stack test.
System De	escription: Electro-	winning Circuit (IA	A3.007/TU4.00	)2)				
Hg	Not Reported		0.00000319		0.0138	4,342	0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.
	escription: Refinery							
Hg	56.30	tpy	0.0566	lbs/hr	36.0542	637	0.0000	Refinery Furnace emissions factor derived from 2010 M29 stack test.
	escription: System						01000	
Hg	30.90	tpy	0.0000906	lbs/hr	0.4204	4,640	0.0079	Retort emissions factor derived from 2010 M29 stack test.
	escription: Fire Ass		0.0000000	103/111	0.4204	7,040	0.0073	Tietert emissions factor derived from 2010 W23 stack test.
Hg	Scription. The Ass	ay Laboratory	T	I	0.0142		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
rig			CV2006	Facility Total:			0.0621	CY2006 Co-product: 124.20 lbs/yr.
				Facility Total:	39.5645	+		CY2007 Co-product: 55.20 lbs/yr.
				Facility Total:		+	0.0276	CY2008 Co-product: 52.40 lbs/yr.
						4	0.0262	
				Facility Total:		<u> </u>	0.0258	CY2009 Co-product: 51.60 lbs/yr.
				acility Total:			0.0079	CY2010 Co-product: 15.80 lbs/yr.
				ewis Project:	AQOP AP1041-0334.	02; NMCP A	P1041-2255	
•	escription: Mercury							
Hg	Not Reported	tpy	0.000016	lbs/hr	0.0706	4,412	4.2000	Retort emissions factor derived from 2010 M29 stack test.
System De	escription: Smelting							
Hg	Not Reported		0.000007	lbs/hr	0.0129	1,843	0.0000	Refinery Furnace emissions factor derived from 2010 M29 stack test.
System De	escription: Assay L	aboratory	•					
Hg	1				4.4384		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.
				Facility Total:	0.0000	†	0.0000	CY2007 Co-product: 0.00 lbs/yr.
			CY2008	Facility Total:		†	0.0000	CY2008 Co-product: 0.00 lbs/yr.
				Facility Total:	4.5299	†	0.8000	CY2009 Co-product: 1,600 lbs/yr.
			CV2010 F	acility Total:		1	4.2000	CY2010 Co-product: 8,400 lbs/yr.
C A -	udlau Daali Oalal Iia	a /fauraaul. Mata				AD1041 004		012010 00-product: 0,400 lbs/yr.
					AP1041-1202; NMCP	AP 104 1-224	8	
	escription: Carbon						0.0000	The second control (Control (Class B/B Toolse) all dead are sected to 0040
Hg	Not Reported		0	lbs/hr	0.0000	0	0.0000	Thermal units (Carbon Kiln; P/B Tanks) did not operate in 2010.
_	scription: Mercury							
Hg	Not Reported		0	lbs/hr	0.0000	0	0.0000	Thermal units did not operate in 2010.
_	escription: Assay L	aboratory & Dore	Furnace	•				
Hg					0.0222		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				Facility Total:	0.0000	<u> </u>	0.0000	CY2006 Co-product: 0.00 lbs/yr.
				Facility Total:	0.0000	<u> </u>	0.0000	CY2007 Co-product: 0.00 lbs/yr.
				Facility Total:	0.2838	1	0.0000	CY2008 Co-product: 0.00 lbs/yr.
			CY2009	Facility Total:			0.0000	CY2009 Co-product: 0.00 lbs/yr.
			CY2010 F	acility Total:	0.0222		0.0000	CY2010 Co-product: Ibs/yr.
Source: C	oeur D'Alene Minin	a Corporation - C	Coeur Rochest	er Mine: AQC	OP AP1044-0063.02; I	VMCP AP104	11-2242	
	escription: Refinery				,			
Hg	77.17	tpy	0.00253	lbs/hr	0.7519	297	0.0000	Refinery Furnace emissions factor derived from 2010 M29 stack test.
	escription: Mercury						2.3000	The second secon
Hg	108.58	tpy	0.00000418	lbs/hr	0.0102	2,448	12.3000	Retort emissions factor derived from 2010 M29 stack test.
	escription: Assay L		1 3.00000410	103/111	0.0102	۷,-۲۰۰	12.0000	Protest emissions ractor derived from 2010 MIZO stack test.
Hg	John Moody L	Louidini	T	1	1.8805		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
пу			CVOOC	Facility Total:	2.8872	<u> </u>		
				racility 10tal:		4	16.1000	CY2006 Co-product: 32,200 lbs/yr.
				Cooility Tatel				
			CY2007	Facility Total:		<del> </del>	15.4000	CY2007 Co-product: 30,800 lbs/yr.
			CY2007 CY2008	Facility Total:	9.9144	_	15.6000	CY2007 Co-product: 30,800 lbs/yr. CY2008 Co-product: 31,200 lbs/yr.
			CY2007 CY2008 CY2009	Facility Total: Facility Total:	9.9144 4.4097		15.6000 10.7000	CY2007 Co-product: 30,800 lbs/yr. CY2008 Co-product: 31,200 lbs/yr. CY2009 Co-product: 21,400 lbs/yr.
			CY2007 CY2008 CY2009 CY2010 F	Facility Total: Facility Total: acility Total:	9.9144 4.4097 <b>2.6426</b>		15.6000	CY2007 Co-product: 30,800 lbs/yr. CY2008 Co-product: 31,200 lbs/yr.
			CY2007 CY2008 CY2009 CY2010 F	Facility Total: Facility Total: acility Total:	9.9144 4.4097	-2251	15.6000 10.7000	CY2007 Co-product: 30,800 lbs/yr. CY2008 Co-product: 31,200 lbs/yr. CY2009 Co-product: 21,400 lbs/yr.
	ewmont Mining Co		CY2007 CY2008 CY2009 CY2010 F	Facility Total: Facility Total: acility Total:	9.9144 4.4097 <b>2.6426</b>	-2251	15.6000 10.7000	CY2007 Co-product: 30,800 lbs/yr. CY2008 Co-product: 31,200 lbs/yr. CY2009 Co-product: 21,400 lbs/yr.
			CY2007 CY2008 CY2009 CY2010 F	Facility Total: Facility Total: acility Total:	9.9144 4.4097 <b>2.6426</b>	-2251	15.6000 10.7000	CY2007 Co-product: 30,800 lbs/yr. CY2008 Co-product: 31,200 lbs/yr. CY2009 Co-product: 21,400 lbs/yr.
System De	escription: Electro-	winning Cells (Ea	CY2007 CY2008 CY2009 CY2010 F Tree Mine: ACst Stack)	Facility Total: Facility Total: acility Total: QOP AP1041-	9.9144 4.4097 <b>2.6426</b> 0059; NMCP AP1041		15.6000 10.7000 <b>12.3000</b>	CY2007 Co-product: 30,800 lbs/yr. CY2008 Co-product: 31,200 lbs/yr. CY2009 Co-product: 21,400 lbs/yr. CY2010 Co-product: 24,600 lbs/yr.
System De Hg	escription: Electro-	winning Cells (Ea gals/yr	CY2007 CY2008 CY2009 CY2010 F Tree Mine: AC st Stack)	Facility Total: Facility Total: acility Total: QOP AP1041-	9.9144 4.4097 <b>2.6426</b> 0059; NMCP AP1041		15.6000 10.7000 <b>12.3000</b>	CY2007 Co-product: 30,800 lbs/yr. CY2008 Co-product: 31,200 lbs/yr. CY2009 Co-product: 21,400 lbs/yr. CY2010 Co-product: 24,600 lbs/yr.  EW Cells emissions factor derived from 2009 M29 stack test. Lone Tree
System De Hg System De	escription: Electro- 979,699.00 escription: Electro-	winning Cells (Ea gals/yr winning Cells (We	CY2007 CY2008 CY2009 CY2010 F Tree Mine: AC st Stack) 0.00013	Facility Total: Facility Total: acility Total: QOP AP1041-	9.9144 4.4097 <b>2.6426</b> 0059; NMCP AP1041 0.0437	336	15.6000 10.7000 12.3000 0.0000	CY2007 Co-product: 30,800 lbs/yr. CY2008 Co-product: 31,200 lbs/yr. CY2009 Co-product: 21,400 lbs/yr. CY2010 Co-product: 24,600 lbs/yr.  EW Cells emissions factor derived from 2009 M29 stack test. Lone Tree remains in temporary closure, therefore, 2010 testing was suspended.
System De Hg	979,699.00	winning Cells (Ea gals/yr	CY2007 CY2008 CY2009 CY2010 F Tree Mine: AC st Stack)	Facility Total: Facility Total: acility Total: QOP AP1041-	9.9144 4.4097 <b>2.6426</b> 0059; NMCP AP1041		15.6000 10.7000 <b>12.3000</b>	CY2007 Co-product: 30,800 lbs/yr. CY2008 Co-product: 31,200 lbs/yr. CY2009 Co-product: 21,400 lbs/yr. CY2010 Co-product: 24,600 lbs/yr.  EW Cells emissions factor derived from 2009 M29 stack test. Lone Tree

					0059; NMCP AP1041-	-2251 (conti	nued)	
System Des	cription: Electro-v	winning Cells (Sca		)				
Hg	979,699.00	gals/yr	0.000138	lbs/hr	0.0464	336	0.0000	EW Cells emissions factor derived from 2009 M29 stack test. Lone Tree remains in temporary closure, therefore, 2010 testing was suspended.
System Des	cription: Pregnar	t and Barren Solu	ution Tanks					
Hg	85.00	tpy - carbon	0.00375	lbs/hr	0.8663	231	0.0000	P/B Tanks emissions factor derived from 2009 M29 stack tests. Lone Tree
		1 1 7				_		remains in temporary closure, therefore, 2010 testing was suspended.
System Des	crintion: Sample	Room Fire Assay	Room Wet I	aboratory II	ECO Laboratory, Met I	aboratory		remains in temperary closure, therefore, 2010 tooling was easystiased.
Hg	The complete of the complete o	1100111, 1 110 71000	y 1100m, 110t E	Laboratory, Li	1.8788	l	0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
. ig	II.		CY2006 F	acility Total:			0.0000	CY2006 Co-product: 0.00 lbs/yr.
				acility Total:		ł	0.0000	CY2007 Co-product: 0.00 lbs/yr.
				acility Total:		+	0.0000	CY2008 Co-product: 0.00 lbs/yr.
				acility Total:		+	0.0000	CY2009 Co-product: 0.00 lbs/yr.
				acility Total:		<u>.</u>	0.0000	CY2010 Co-product: lbs/yr.
0 0		0 1 1111 1				D4044 000		C12010 Co-product. lbs/yr.
					NP1041-2141; NMCP A	AP1041-222	:0	
	cription: Refinery				T			
Hg	37.50	tpy	0.0000272	lbs/hr	0.0099	364	0.0000	Refinery Furnace emissions factor derived from 2010 M29 stack test.
	cription: Refinery							
Hg	1.40	tpy	0.00000865	lbs/hr	0.0002	22	0.0000	Refinery Furnace emissions factor derived from 2010 M29 stack test.
System Des	cription: Electric	Carbon Reactivat	ion Kiln #1 (S2	2.007/TU4.00	(5)			
								Carbon Kiln #1 emissions factor derived from 2010 M29 stack test.
Hg	1,207.40	tpy	0.0000502	lbs/hr	0.1096	2,184	0.0000	Major component failure forced repairs delaying testing until 01/28/10.
System Des	cription: Electric	Carbon Reactivat	ion Kiln #2 (S2	2.008/TU4.00	16)			
Hg	887.10	tpy	0.00000457	lbs/hr	0.0077	1,684	0.0000	Carbon Kiln #2 emissions factor derived from 2010 M29 stack test.
System Des	cription: East Ele	ctro-winning Cells	s (IA1.096/TU4	4.001)				
Hg	Not Reported	gals/min	0.0000547	lbs/hr	0.4792	8,760	0.0000	EW Cells emissions factor derived from 2010 M29 stack test.
System Des	cription: West Ele	ectro-winning Cel	ls (IA1.097/TU	14.002)				
Hg	Not Reported		0.0000339	lbs/hr	0.2963	8,740	0.0000	EW Cells emissions factor derived from 2010 M29 stack test.
	cription: Fire Ass		es (S2.018a-f	/TU4.007a-f)				
Hg	29,255.00	tpy	0.0000558	lbs/hr	0.4143	7,425	0.0000	Furnace emissions factor derived from 2010 M29 stack test.
	cription: Pregnan					1,		
Ha	Not Reported	gals/vr	0.00035	lbs/hr	3.0660	8.760	0.0000	Preg./Barren Tanks emissions factor derived from 2010 M29 stack test.
								Gold Sludge Drying Oven
Hg	1			19/, 11/01/2000	0.8029	I	0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
- ing	II.	I	CY2006 F	acility Total:			0.1200	CY2006 Co-product: 240 lbs/yr.
				acility Total:		+	0.3200	CY2007 Co-product: 640 lbs/yr.
				acility Total:		ł	0.0000	CY2008 Co-product: 0.00 lbs/yr.
				acility Total:		ł	0.0000	CY2009 Co-product: 34 lbs/yr.
				acility Total:		}	0.0170	CY2010 Co-product: lbs/yr.
Carrage Ele	viala Oanssan Mist	an las Elsatet				24044 0050		O 12010 OO-product. IDS/yr.
					41-0106.02; NMCP AF	1041-2256		
	cription: Mercurt				0.0000	1.054	0.0005	Datest emissions feeten derived from 0040 M00 steel test
Hg	10.72	tpy	0.00000221		0.0023	1,054	0.2035	Retort emissions factor derived from 2010 M29 stack test.
	cription: Mercurt		- \$2.004/104		1 00000			T. C. 1. 144/00/40 11 11 11 11 11 11 11 11 11 11 11 11 11
Hg	0.79	tpy		lbs/hr	0.0000	56	0.0000	Testing waiver granted 11/30/10. Units hours included under TU4.004.
	cription: Summit		nning Cell A (T					
Hg	31.54	MMgals/yr	0.0000441	lbs/hr	0.3863	8,760	0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.
	cription: Summit							
Hg	31.54	MMgals/yr	0.0000129	lbs/hr	0.1130	8,760	0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.
					iln (System 9 - S2.007			
Hg	708.80	tpy	0.0143	lbs/hr	108.4512	7,584	0.1055	Carbon Kiln emissions factor derived from 2010 M29 stack test.
System Des	cription: Inductot	herm Dore Furna	ce (System 7 -	S2.005/TU4	.001)			
Hg	9.73	tpy	0.0000653	lbs/hr	0.0202	310	0.0000	Dore Furnace emissions factor derived from 2010 M29 stack test.
System Des	cription: Pregnar	t Tank (TU4.006)						
Hg		hrs/yr		lbs/hr	0.0000		0.0000	No emissions factor available - closed circuit.
System Des	cription: Barren 1							
Hg		hrs/yr		lbs/hr	0.0000		0.0000	No emissions factor available - closed circuit.
	_				•	•	•	'

				4000	11 0100 05 11105	24044 225	/ "	
		<u> </u>	Canyon Mine:	AQOP AP10	41-0106.02; NMCP AF	-1041-22 <u>56</u>	(continued)	
	cription: Assay L	aboratory			1		1 2 2	
Hg			<u> </u>		2.8402		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				acility Total:	440.7382	1	0.2264	CY2006 Co-product: 452.80 lbs/yr.
				acility Total:	19.0000	1	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	1	0.8120	CY2009 Co-product: 1,624 lbs/yr.
			CY2010 Fa	acility Total:	111.8133		0.3090	CY2010 Co-product: 618 lbs/yr. (407 lbs - elemental; 211 lbs - sludge)
Source: Rou	und Mountain Gol	ld Corporation - S	Smoky Valley C	ommon Ope	ration: AQOP AP1041	1-0444.01; N	IMCP AP1041-	2250
	cription: Carbon							
Hg	3,392.00	tpy	0.0000149	lbs/hr	0.1305	8,760	0.0000	Carbon Kiln emissions factor derived from 2010 M29 stack test.
					ck with S2.121/TU4.00		0.0000	The Pregnant Strip Solution Tank and both Barren Strip Solution Tanks are
Hg	41.50	gals/min	I I	lbs/hr	0.0000	) <u> </u>	0.0000	vented to a common stack with the Carbon Kiln. Therefore, the emissions
			k #1 (Shares a		ack with S2.121/TU4.0	U3)	0.0000	factor is for all four units running simultaneously and emissions are
Hg	41.50	gals/min	T (Shares a	lbs/hr	0.0000	1	0.0000	calculated using the highest hours of operations value of the four units. The
			l #0 (Charas			104)	0.0000	
			ik #2 (Shares a		ack with S2.121/TU4.0	104)	0.0000	Carbon Kin actually operated 8,724 hours for the year with the remaining
Hg	41.50	gals/min	- (CO 100/T) 14	lbs/hr	0.0000		0.0000	units operating 8,760 each.
	cription: Electric				1.0540	175	0.0000	That are Forest and the control of t
Hg	36.00	tpy	0.00264	lbs/hr	1.2540	475	0.0000	Induction Furnace emissions factor derived from 2010 M29 stack test.
	cription: Refinery	/ Electro-winning	Vent & Ovens,	Assay Labor		,		
Hg					3.0680		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
				acility Total:	57.0585	1	0.0085	CY2006 Co-product: 17 lbs/yr.
				acility Total:	59.6652	1	0.0000	CY2007 Co-product: 0.00 lbs/yr.
				acility Total:	8.3173	1	0.0000	CY2008 Co-product: 0.00 lbs/yr.
			CY2009 F	acility Total:	4.5878	Ī	0.0000	CY2009 Co-product: 0.00 lbs/yr.
			CY2010 Fa	acility Total:	4.4525		0.0000	CY2010 Co-product: 0.00 lbs/yr.
Source: Hor	mestake Minina C	Company of Califo	rnia - Ruby Hil	I Mine: AQO	P AP1041-0713.01; N	IMCP AP104	11-2252	
	cription: Electric							
Ha	13.90	tpy	0.0000152	lbs/hr	0.0026	170	0.0000	Carbon Kiln emissions factor derived from 2010 M29 stack test.
	cription: Electric					., ., .	3.5000	Tamaaa aanaa a
Hg	4.23	tpy	0.0000129	lbs/hr	0.0110	851	0.0000	Retort emissions factor derived from 2010 M29 stack test.
	cription: Electric					_ 551	0.0000	. istalt simpoione lactor derived from Ed to MED stack test.
Hg			n Fiirnace (SO					
	I 4 27					72	0.0000	Furnace emissions factor derived from 2010 M20 stack test
System Door	4.27	tpy	0.000163	lbs/hr	0.0127	78	0.0000	Furnace emissions factor derived from 2010 M29 stack test.
	cription: Electro-v	tpy winning Cells 1 &	0.000163 2 (IA1.005/TU	lbs/hr 4.004)	0.0127			
Hg	Cription: Electro-Not Reported	tpy winning Cells 1 & gals/yr	0.000163 2 (IA1.005/TU 0.003768	lbs/hr 4.004) lbs/hr	0.0127 33.0077	78 8,760	0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.
Hg System Desc	Not Reported cription: Pregnan	tpy winning Cells 1 & gals/yr tt and Barren Stri	0.000163 2 (IA1.005/TU 0.003768	lbs/hr 4.004) lbs/hr ks (TU4.005)	0.0127 33.0077		0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with
Hg System Desc Hg	Not Reported root Not Reported root Not Reported root Not Reported	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr	0.000163 2 (IA1.005/TU 0.003768	lbs/hr 4.004) lbs/hr	0.0127 33.0077			Electro-winning Cells emissions factor derived from 2010 M29 stack test.
Hg System Desc Hg System Desc	Not Reported cription: Pregnan	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr	0.000163 2 (IA1.005/TU 0.003768	lbs/hr 4.004) lbs/hr ks (TU4.005)	0.0127 33.0077 0.0000		0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with  Electro-winning Cells, therefore, emissions factor is for both units.
Hg System Desc Hg	Not Reported root Not Reported root Not Reported root Not Reported	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan	lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr	0.0127 33.0077 0.0000 1.3818		0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
Hg System Desc Hg System Desc	Not Reported root Not Reported root Not Reported root Not Reported	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan	lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr	0.0127 33.0077 0.0000 1.3818 28.7825		0.0000 0.0000 0.0000 0.5000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.
Hg System Desc Hg System Desc	Not Reported root Not Reported root Not Reported root Not Reported	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan CY2006 F CY2007 F	lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr  Facility Total: Facility Total:	0.0127 33.0077 0.0000 1.3818 28.7825 35.2201		0.0000 0.0000 0.0000 0.5000 0.3800	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.  CY2007 Co-product: 760 lbs/yr.
Hg System Desc Hg System Desc	Not Reported root Not Reported root Not Reported root Not Reported	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan CY2006 F CY2007 F CY2008 F	lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr  Facility Total: Facility Total: Facility Total:	0.0127 33.0077 0.0000 1.3818 28.7825 35.2201 1.3883		0.0000 0.0000 0.0000 0.5000 0.3800 0.2400	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.  CY2007 Co-product: 760 lbs/yr.  CY2008 Co-product: 480 lbs/yr.
Hg System Desc Hg System Desc	Not Reported root Not Reported root Not Reported root Not Reported	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2008 F CY2009 F	lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr	0.0127 33.0077 0.0000 1.3818 28.7825 35.2201 1.3883 7.2874		0.0000 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.  CY2007 Co-product: 760 lbs/yr.  CY2008 Co-product: 480 lbs/yr.  CY2009 Co-product: 352.40 lbs/yr.
Hg System Desc Hg System Desc	Not Reported root Not Reported root Not Reported root Not Reported	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2008 F CY2009 F	lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr  Facility Total: Facility Total: Facility Total:	0.0127 33.0077 0.0000 1.3818 28.7825 35.2201 1.3883 7.2874		0.0000 0.0000 0.0000 0.5000 0.3800 0.2400	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.  CY2007 Co-product: 760 lbs/yr.  CY2008 Co-product: 480 lbs/yr.
Hg System Desc Hg System Desc Hg	cription: Electro-v Not Reported cription: Pregnan Not Reported cription: Assay L	tpy winning Cells 1 &     gals/yr  tt and Barren Stri     gals/yr  aboratory	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2008 F CY2010 Fa	lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr -acility Total: -acility Total: -acility Total: -acility Total: -acility Total: -acility Total:	0.0127 33.0077 0.0000 1.3818 28.7825 35.2201 1.3883 7.2874	8,760	0.0000 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.  CY2007 Co-product: 760 lbs/yr.  CY2008 Co-product: 480 lbs/yr.  CY2009 Co-product: 352.40 lbs/yr.
Hg System Desc Hg System Desc Hg Source: Mai	cription: Electro-v Not Reported cription: Pregnan Not Reported cription: Assay Li	tpy winning Cells 1 &     gals/yr nt and Barren Stri     gals/yr aboratory	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2008 F CY2010 Fa	lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr	0.0127 33.0077 0.0000 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158	8,760	0.0000 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.  CY2007 Co-product: 760 lbs/yr.  CY2008 Co-product: 480 lbs/yr.  CY2009 Co-product: 352.40 lbs/yr.
Hg System Desc Hg System Desc Hg Source: Mat System Desc Hg	rigold Mining Concerption: Carbon 975.20	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr aboratory  npany - Marigold Regeneration Kilr	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2008 F CY2009 F CY2010 F Mine: AQOP 1 (S2.013A/TU 0.00000069	lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr	0.0127 33.0077 0.0000 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158	8,760	0.0000 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.  CY2007 Co-product: 760 lbs/yr.  CY2008 Co-product: 480 lbs/yr.  CY2009 Co-product: 352.40 lbs/yr.
Hg System Desc Hg System Desc Hg Source: Mat System Desc Hg	rigold Mining Concerption: Carbon 975.20	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr aboratory  npany - Marigold Regeneration Kilr	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2008 F CY2009 F CY2010 F Mine: AQOP 1 (S2.013A/TU 0.00000069	lbs/hr 4.004) lbs/hr 4.005) lbs/hr ks (TU4.005) lbs/hr	0.0127 33.0077 0.0000 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158 .02; NMCP AP1041-2	8,760	0.0000 0.0000 0.5000 0.3800 0.2400 0.1762 0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.  CY2007 Co-product: 760 lbs/yr.  CY2008 Co-product: 480 lbs/yr.  CY2009 Co-product: 352.40 lbs/yr.  CY2010 Co-product: lbs/yr.
Hg System Desc Hg System Desc Hg Source: Man System Desc Hg System Desc Hg System Desc	rigold Mining Conscription: Carbon 975.20  scription: Mercury	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr aboratory  npany - Marigold Regeneration Kilr tpy Retort (S2.014/T	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2008 F CY2009 F CY2010 F Mine: AQOP 1 (S2.013A/TU 0.00000069	lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr Facility Total: Facil	0.0127 33.0077 0.0000 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158 .02; NMCP AP1041-2	254 3,751	0.0000 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762 0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr. CY2007 Co-product: 760 lbs/yr. CY2008 Co-product: 480 lbs/yr. CY2009 Co-product: 352.40 lbs/yr. CY2010 Co-product: lbs/yr.  CY2010 Co-product: lbs/yr.  Carbon Kiln emissions factor derived from 2010 M29 stack test.
Hg System Desc Hg System Desc Hg  Source: Mar System Desc Hg System Desc Hg System Desc Hg	rigold Mining Concription: Carbon 975.20 cription: Mercury 8.35	tpy winning Cells 1 & gals/yr and Barren Stri gals/yr aboratory  npany - Marigold Regeneration Kilr tpy Retort (S2.014/T	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2008 F CY2010 F Mine: AQOP A 1 (S2.013A/TU 0.0000069  U4.002) 0.000985	lbs/hr 4.004) lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr  Facility Total: Facility Total: Facility Total: Facility Total: AP1041-0158 4.001) lbs/hr	0.0127 33.0077 0.0000 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158 .02; NMCP AP1041-2	8,760	0.0000 0.0000 0.5000 0.3800 0.2400 0.1762 0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.  CY2007 Co-product: 760 lbs/yr.  CY2008 Co-product: 480 lbs/yr.  CY2009 Co-product: 352.40 lbs/yr.  CY2010 Co-product: lbs/yr.
Hg System Desc Hg System Desc Hg Source: Mar System Desc Hg System Desc Hg System Desc Hg System Desc	rigold Mining Concription: Carbon 975.20 cription: Mercury 8.35 cription: Tilting Control of the control of the	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr aboratory  npany - Marigold Regeneration Kilr tpy Retort (S2.014/T tpy crucible Furnace (	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2008 F CY2010 F6 Mine: AQOP A (S2.013A/TU 0.0000069 U4.002) 0.000985 S2.015/TU4.00	lbs/hr 4.004) lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr  Facility Total: Facili	0.0127  33.0077  0.0000  1.3818  28.7825  35.2201  1.3883  7.2874  34.4158  .02; NMCP AP1041-2  0.0026  1.0411	254 3,751 1,057	0.0000 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762 0.0000 0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.  CY2007 Co-product: 760 lbs/yr.  CY2008 Co-product: 480 lbs/yr.  CY2009 Co-product: 352.40 lbs/yr.  CY2010 Co-product: lbs/yr.  CY2010 Co-product: lbs/yr.  Carbon Kiln emissions factor derived from 2010 M29 stack test.  Retort emissions factor derived from 2010 M29 stack test.
Hg System Desc Hg System Desc Hg Source: Mat System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg	rigold Mining Comorption: Carbon Mercury  8.35  ceription: Mercury  8.35  ceription: Tilting Comorption: Tilting Comorption: Carbon Mercury  8.35	tpy winning Cells 1 & gals/yr tt and Barren Stri gals/yr aboratory  npany - Marigold Regeneration Kilr tpy Retort (S2.014/T tpy crucible Furnace ( tpy	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2008 F CY2010 F2 Mine: AQOP A (S2.013A/TU 0.0000069 TU4.002) 0.000985 S2.015/TU4.00	lbs/hr 4.004) lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr  Facility Total: Facility Total: Facility Total: Facility Total: AP1041-0158 4.001) lbs/hr	0.0127 33.0077 0.0000 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158 .02; NMCP AP1041-2	254	0.0000 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762 0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr. CY2007 Co-product: 760 lbs/yr. CY2008 Co-product: 480 lbs/yr. CY2009 Co-product: 352.40 lbs/yr. CY2010 Co-product: lbs/yr.  CY2010 Co-product: lbs/yr.  Carbon Kiln emissions factor derived from 2010 M29 stack test.
Hg System Desc Hg System Desc Hg Source: Mat System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc	rigold Mining Concerption: Carbon Mercury  8.35  ceription: Mercury  8.35  ceription: Tilting Concerption: Tilting Concerption: Carbon Mercury  8.35  ceription: Electro-veription: Elec	tpy winning Cells 1 & gals/yr tt and Barren Stri gals/yr aboratory  npany - Marigold Regeneration Kilr tpy Retort (S2.014/T tpy crucible Furnace ( tpy winning Circuit (T	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2008 F CY2010 F2 Mine: AQOP A (S2.013A/TU 0.0000069 TU4.002) 0.000985 S2.015/TU4.00 0.00211 TU4.004)	lbs/hr 4.004) lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr  Facility Total: Facility Total: Facility Total: Facility Total: AP1041-0158 4.001) lbs/hr lbs/hr 03) lbs/hr	0.0127  33.0077  0.0000  1.3818  28.7825  35.2201  1.3883  7.2874  34.4158  .02; NMCP AP1041-2  0.0026  1.0411	254 3,751 1,057	0.0000 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762 0.0000 0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.  CY2007 Co-product: 760 lbs/yr.  CY2008 Co-product: 480 lbs/yr.  CY2009 Co-product: 352.40 lbs/yr.  CY2010 Co-product: lbs/yr.  CY2010 Co-product: lbs/yr.  Carbon Kiln emissions factor derived from 2010 M29 stack test.  Fetort emissions factor derived from 2010 M29 stack test.
Hg System Desc Hg System Desc Hg Source: Mai System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg	rigold Mining Concerption: Carbon 975.20 cription: Mercury 8.35 cription: Mercury 5.92 cription: Lilling Concerption: Mercury 6.35 cription: Tilling Concerption: Mercury 6.35 cription: Lilling Concerption: Mercury 6.35 cription: Lilling Concerption: Lilling Con	tpy winning Cells 1 & gals/yr tt and Barren Stri gals/yr aboratory  npany - Marigold Regeneration Kilr tpy Retort (S2.014/T tpy winning Circuit (T tpy winning Circuit (T	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2009 F CY2010 F2 Mine: AQOP A 1 (S2.013A/TU 0.0000069 TU4.002) 0.000985 S2.015/TU4.00 0.00211 U4.004) 0.000985	lbs/hr 4.004) lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr  Facility Total: Facili	0.0127  33.0077  0.0000  1.3818  28.7825  35.2201  1.3883  7.2874  34.4158  .02; NMCP AP1041-2  0.0026  1.0411	254 3,751 1,057	0.0000 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762 0.0000 0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr. CY2007 Co-product: 760 lbs/yr. CY2008 Co-product: 480 lbs/yr. CY2009 Co-product: 352.40 lbs/yr. CY2010 Co-product: lbs/yr.  CY2010 Co-product: lbs/yr.  Carbon Kiln emissions factor derived from 2010 M29 stack test.  Retort emissions factor derived from 2010 M29 stack test.  Electro-winning Cells emissions factor derived from 2010 M29 stack test.
Hg System Desc Hg System Desc Hg Source: Mai System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc	rigold Mining Concerption: Massay Linguistry Constitution    rigold Mining Concerption: Carbon   975.20    reciption: Mercury   8.35    reciption: Tillting Concerption: Tillting Concerption: Carbon   975.20    reciption: Mercury   8.35    reciption: Electro-1   45,522.00    reciption: Pregnand	tpy winning Cells 1 & gals/yr tt and Barren Stri gals/yr aboratory  Inpany - Marigold   Regeneration Kilr tpy Retort (S2.014/T tpy rucible Furnace ( tpy winning Circuit (T tpy ttpy ttpy ttpy stry stry stry stry stry solution T	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2009 F CY2010 F2 Mine: AQOP A 1 (S2.013A/TU 0.0000069 TU4.002) 0.000985 S2.015/TU4.00 0.00211 U4.004) 0.000985 cank (TU4.005)	lbs/hr 4.004) lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr  Facility Total: Facili	0.0127  33.0077  0.0000  1.3818  28.7825  35.2201  1.3883  7.2874  34.4158  .02; NMCP AP1041-2  0.0026  1.0411	254 3,751 1,057	0.0000 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762 0.0000 0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.  CY2007 Co-product: 760 lbs/yr.  CY2008 Co-product: 480 lbs/yr.  CY2009 Co-product: 352.40 lbs/yr.  CY2010 Co-product: lbs/yr.  CY2010 Co-product: lbs/yr.  Carbon Kiln emissions factor derived from 2010 M29 stack test.  Retort emissions factor derived from 2010 M29 stack test.  Furnace emissions factor derived from 2010 M29 stack test.  Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with
Source: Mar System Desc Hg Source: Mar System Desc Hg System Desc	rigold Mining Conscription: Mercury  Assay Light Stription: Assay Light Stription: Assay Light Stription: Carbon 975.20  Corription: Mercury 8.35  Corription: Tillting Conscription: Tillting Conscription: Electro-type 45,522.00  Corription: Pregnan 45,522.00	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr aboratory  Inpany - Marigold Regeneration Kilr tpy Retort (S2.014/T tpy rucible Furnace ( tpy tpy trucible Furnace ( tpy tpy trucible Furnace ( tpy tpy tstrip Solution T tpy	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2008 F CY2010 F Mine: AQOP A 1 (S2.013A/TU 0.0000069 TU4.002) 0.000985 S2.015/TU4.00 0.00211 TU4.004) 0.000985 ank (TU4.005) See Notes	lbs/hr 4.004) lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr  Facility Total: Facili	0.0127  33.0077  0.0000  1.3818  28.7825  35.2201  1.3883  7.2874  34.4158  .02; NMCP AP1041-2  0.0026  1.0411	254 3,751 1,057	0.0000 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762 0.0000 0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr. CY2007 Co-product: 760 lbs/yr. CY2008 Co-product: 480 lbs/yr. CY2009 Co-product: 352.40 lbs/yr. CY2010 Co-product: lbs/yr.  CY2010 Co-product: lbs/yr.  Carbon Kiln emissions factor derived from 2010 M29 stack test.  Retort emissions factor derived from 2010 M29 stack test.  Electro-winning Cells emissions factor derived from 2010 M29 stack test.
Hg System Desc Hg System Desc Hg Source: Mai System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg System Desc Hg	rigold Mining Concerption: Massay Linguistry Constitution    rigold Mining Concerption: Carbon   975.20    reciption: Mercury   8.35    reciption: Tillting Concerption: Tillting Concerption: Carbon   975.20    reciption: Mercury   8.35    reciption: Electro-1   45,522.00    reciption: Pregnand	tpy winning Cells 1 & gals/yr at and Barren Stri gals/yr aboratory  Inpany - Marigold Regeneration Kilr tpy Retort (S2.014/T tpy rucible Furnace ( tpy tpy trucible Furnace ( tpy tpy trucible Furnace ( tpy tpy tstrip Solution T tpy	0.000163 2 (IA1.005/TU 0.003768 p Solution Tan  CY2006 F CY2007 F CY2008 F CY2010 F Mine: AQOP A 1 (S2.013A/TU 0.0000069 TU4.002) 0.000985 S2.015/TU4.00 0.00211 TU4.004) 0.000985 ank (TU4.005) See Notes	lbs/hr 4.004) lbs/hr 4.004) lbs/hr ks (TU4.005) lbs/hr  Facility Total: Facili	0.0127  33.0077  0.0000  1.3818  28.7825  35.2201  1.3883  7.2874  34.4158  .02; NMCP AP1041-2  0.0026  1.0411	254 3,751 1,057	0.0000 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762 0.0000 0.0000	Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with Electro-winning Cells, therefore, emissions factor is for both units.  Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2007 Co-product: 1,000 lbs/yr.  CY2007 Co-product: 760 lbs/yr.  CY2008 Co-product: 480 lbs/yr.  CY2009 Co-product: 352.40 lbs/yr.  CY2010 Co-product: lbs/yr.  CY2010 Co-product: lbs/yr.  Carbon Kiln emissions factor derived from 2010 M29 stack test.  Retort emissions factor derived from 2010 M29 stack test.  Furnace emissions factor derived from 2010 M29 stack test.  Electro-winning Cells emissions factor derived from 2010 M29 stack test.  Pregnant and Barren Strip Solution Tanks vented to a common stack with

Course: M	origold Minin	Comme	v Maginald I	Minor ACCD	ND1041 0150	00. NIMOD AD4044 0	OE 4 (0 = :=+!:-	ad\	
				viirie: AQOP A	AP 1041-0158	.02; NMCP AP1041-2	204 (CONTINU	ieu)	
	scription: Assa	iy Labor	alory			0.0400		0.0000	Detential to amit (DTF) not natural and De Minimia Designation Tech Designation
Hg				0,40000	Tabilia Takala	2.0489		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
					acility Total:	908.0610	<b>}</b>	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:		ļ	0.8160	CY2009 Co-product: 1,632 lbs/yr.
_			1005 :-		acility Total:	9.3695		1.0330	CY2010 Co-product: 2,066 lbs/yr.
	orealis Mining (	Company	y: AQOP AP	1041-2125; NI	MCP AP1041	-2228			
System Des	scription:			ı		0.0000	ı	0.0000	
Hg				0)/0000		0.0000		0.0000	Facility did not operate in 2009.
					acility Total:	0.0000	ļ	0.0000	CY2006 Co-product: 0.00 lbs/yr.
					acility Total:	0.0000	ļ	0.0000	CY2007 Co-product: 0.00 lbs/yr.
					acility Total:	0.0000	<u> </u>	0.0000	CY2008 Co-product: 0.00 lbs/yr.
					acility Total:	0.0000	ļ	0.0000	CY2009 Co-product: 0.00 lbs/yr.
_					cility Total:			0.0000	CY2010 Co-product: lbs/yr.
Source: Ba	arrick Turquois	e Ridge,	Inc Getche	ell Mine: AQO	P AP1041-02	292.01; NMCP AP104	1-2249		
	scription: Assa	ay/Met L	aboratory	1		10:00	1		In a substitution of the s
Hg				0)/0055		4.9462		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
					acility Total:	10.6752	<u> </u>	0.0000	CY2006 Co-product: 0.00 lbs/yr.
					acility Total:	4.9660	-	0.0000	CY2007 Co-product: 0.00 lbs/yr.
					acility Total:	4.9462	-	0.0000	CY2008 Co-product: 0.00 lbs/yr.
					acility Total:	4.9462	ļ	0.0000	CY2009 Co-product: 0.00 lbs/yr.
			1005		acility Total:	4.9462		0.0000	CY2010 Co-product: Ibs/yr.
	oble Technolog				MCP AP1041	1-2/01			
_	scription: Furn	aces (3	Drying, 1 Sm	elting)		4.0000	ı	0.0000	Industrial conduction of the c
Hg				0)/00/10		4.0026		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
					cility Total:	4.0026		0.0000	CY2010 Co-product: Ibs/yr.
	onkin Springs,					2/26			
	scription: Assa	ay Labor	atory (2 Griev	e Drying Over	ns)	10000	1		In a state of the
Hg				0)/0046 =		4.9200		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
					acility Total:	4.9200		0.0000	CY2010 Co-product: Ibs/yr.
	den Research,			-2511; NMCP	AP1041-263	8			
	scription: Assa	ay Labor	atory	, ,					In
Hg				0)		2.7982		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
					acility Total:	2.7962		0.0000	CY2009 Co-product: 0.00 lbs/yr.
					acility Total:	2.7982		0.0000	CY2010 Co-product: Ibs/yr.
				attan Mine: AC	OP AP1041	-1457; NMCP AP1041	-2303		
System De	scription: Dore	Smeltir	ng Furnace						Je w 11 1 2 2 2
									Facility did not operate in 2010
Hg				0) (222		4.1040		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
					acility Total:	0.0000	ļ	0.0000	CY2006 Co-product: 0.00 lbs/yr.
					acility Total:	4.1040		0.0000	CY2007 Co-product: 0.00 lbs/yr.
					acility Total:	4.1040	<b>.</b>	0.0000	CY2008 Co-product: 0.00 lbs/yr.
					acility Total:		ļ	0.0000	CY2009 Co-product: 0.00 lbs/yr.
		_			acility Total:			0.0000	CY2010 Co-product: Ibs/yr.
						220.02; NMCP AP1041	-2247		
	scription: Elec				11 /1		4 555		
Hg	2,720.00			0.0000014	lbs/hr	0.0063	4,533	0.0000	Carbon Kiln emissions factor derived from 2010 M29 stack test.
,	scription: Merc	cury Ret	•			0.000	0.555		In a second seco
Hg	22.00		tpy	0.0000044	lbs/hr	0.0098	2,232	0.0000	Retort emissions factor derived from 2010 M29 stack test.
,	scription: Preg	nant & E	sarren Strip S	olution Lanks		0.0040	ı	0.0000	Industrial to an 2 (DTE) and an included a second s
Hg			0 - !!			0.0940		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
,	scription: Elec	tro-winn	ing Cells	1		0.0700		0.0000	Detential to anti-(DTE) and actual and De Minimis Designation T. J. D.
Hg	1			0)/2222		0.2733		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.
					acility Total:	2.3061	}	0.0000	CY2006 Co-product: 0.00 lbs/yr.
					acility Total:		<b> </b>	0.0000	CY2007 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr.
							1	0.0000	
				C12010 F2	acility Total:	0.3835		0.0000	CY2010 Co-product: Ibs/yr.

Source: Bar	rrick Goldstrick Mi	nes, Inc.: AQOP	AP1041-0739	9.01; NMCP <i>A</i>	AP1041-2221			
					0.1 11 0.00			10 THE 10
					Grinding Process (S2.2			
Hg	2,546,879.00	tpy	0.0065	lbs/hr	50.271	7,734	0.0000	Mill Circuit #1 emissions factor derived from avg. of 2010 M29 stack tests.
					Grinding Process (S2.			
Hg	2,559,585.00	tpy	0.0008	lbs/hr	6.264	7,830	0.0000	Mill Circuit #2 emissions factor derived from 2010 M29 stack test.
System Des	cription: Roasters	S #1 & #2 (S2.209	9.1 & S2.209.2	7104.003 &	I U4.004)		1	To 1 01 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
								Roaster Circuit emissions factor derived from 2010 M29 stack test. Testing
								was conducted during dual Roaster operations. Annual hours operated is
								the average of individual Roaster operations. Roaster #1 operated 7,703
Hg	5,507,835.00	tpy	0.0144	lbs/hr	111.6	7,750	59.3775	hrs/yr, Roaster #2 operated 7,797 hrs/yr.
System Des	cription: North Ro	aster Circuit #1	Quenching Pro	cess (S2.210	D/TU4.005)			
Hg	2,841,668.00	tpy	0.0035	lbs/hr	26.9605	7,703	0.0000	Quench Circuit #1 emissions factor derived from 2010 M29 stack test.
System Des	cription: South Ro	paster Circuit #2	Quenching Pro	ocess (S2.21	1/TU4.006)			
Hg	2,666,100.00	tpy	0.0038	lbs/hr	29.6286	7,797	0.0000	Quench Circuit #2 emissions factor derived from 2010 M29 stack test.
	cription: Analytica							
Hg	80.00	tpy	0.00027	lbs/hr	2.3652	8,760	0.0000	Assay Lab emissions factor derived from 2010 M29 satck test.
	cription: Carbon F					-,		
Hg	10,145.00	tpy	0.00127	lbs/hr	10.2260	8,052	0.0000	Carbon Kiln emissions factor derived from 2010 M29 stack test.
					TU4.009 & TU4.011)	5,552	0.0000	Toursell the state of the state
Hg	Not Reported	gals/yr	0.00047	lbs/hr	4.1172	8,760	0.0000	Preg./Barren Tanks A emissions factor derived from 2010 M29 stack test.
					TU4.010 & TU4.012)	0,700	0.0000	priogrammin ranks A emissions ractor delived from 2010 M23 stack test.
Hg	Not Reported	gals/yr	0.00078	lbs/hr	6.8328	0.760	0.0000	Prog /Parron Tanka P amissions factor derived from 2010 M00 stack test
				IDS/TIF		8,760	0.0000	Preg./Barren Tanks B emissions factor derived from 2010 M29 stack test.
_	cription: Autoclav				Acidic Operation		0.0000	Ta
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Autoclave Circuit #1 did not operate in acidic mode during 2010.
_	cription: Autoclav				Alkaline Operation		T	
Hg	0.00	tpy	0	lbs/hr	0.0000	0	0.0000	Autoclave Circuit #1 did not operate in alkaline mode during 2010.
System Des	cription: Autoclav	e Circuit #2 (S2.0	016 & S2.017/	TU4.014 & T	U4.015))	Acidic	Operation	
								Autoclave Circuit #2 emissions factor derived from 2010 M29 stack test.
								Testing was conducted during dual Autoclave operation and only during
								I a si di a conquetta de la calega de la fina de la conqueta del conqueta de la conqueta de la conqueta del conqueta de la conqueta del la conqueta de la conqueta de la conqueta de la conqueta de la conqueta de la conqueta del la conqueta de la conqueta de la conqueta del la conquet
								acidic operations mode. Annual hours operated is the average of individual
								Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr;
Hg	1,320,570.00	tpy	0.0009	lbs/hr	4.9068	5,452	0.0000	
	1,320,570.00 cription: Autoclav						0.0000 e Operation	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr;
								Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.
System Des Hg	cription: Autoclav 0.00	e Circuit #2 (S2.0 tpy	016 & S2.017/ 0	TU4.014 & T	U4.015)) 0.0000	Alkalin	e Operation	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr;
System Des Hg	cription: Autoclav	e Circuit #2 (S2.0 tpy	016 & S2.017/ 0	TU4.014 & T	U4.015))	Alkalin	e Operation	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.
System Des Hg	cription: Autoclav 0.00	e Circuit #2 (S2.0 tpy	016 & S2.017/ 0	TU4.014 & T	U4.015)) 0.0000	Alkalin	e Operation	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test
System Desi Hg System Desi	0.00 cription: Autoclav	e Circuit #2 (S2.0 tpy e Circuit #3 (S2.0	016 & S2.017/ 0 018/TU4.016)	TU4.014 & T	U4.015)) 0.0000 Acidic Operation	Alkaline 0	Operation 0.0000	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test conducted 02/08/11. Autoclave Circuit #3 only operated during December,
System Desi Hg System Desi	0.00 cription: Autoclav	e Circuit #2 (S2.0 tpy e Circuit #3 (S2.0 tpy tpy	016 & S2.017/ 0 018/TU4.016) 0.00043	TU4.014 & T	U4.015)) 0.0000 Acidic Operation 0.1238	Alkalin	e Operation	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test
System Desi Hg System Desi Hg System Desi	cription: Autoclav 0.00 cription: Autoclav 30,798.00 cription: Autoclav	e Circuit #2 (S2.1 tpy e Circuit #3 (S2.1 tpy tpy e Circuit #3 (S2.1 tpy e Circuit #3 (S2.1	016 & S2.017/ 0 018/TU4.016) 0.00043 018/TU4.016)	TU4.014 & Ti lbs/hr lbs/hr	U4.015)) 0.0000 Acidic Operation 0.1238 Alkaline Operation	Alkalini 0 288	0.0000 0.0000	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test conducted 02/08/11. Autoclave Circuit #3 only operated during December, 2010. Testing was conducted during acidic operations mode only.
System Desi Hg System Desi Hg System Desi Hg	cription: Autoclav 0.00 cription: Autoclav 30,798.00 cription: Autoclav 0.00	e Circuit #2 (S2.1 tpy e Circuit #3 (S2.1 tpy tpy e Circuit #3 (S2.1 tpy e Circuit #3 (S2.1 tpy	016 & S2.017/ 0 018/TU4.016) 0.00043 018/TU4.016) 0	TU4.014 & Ti lbs/hr lbs/hr	0.1238  Alkaline Operation  0.0000	288 0	0.0000 0.0000 0.0000	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test conducted 02/08/11. Autoclave Circuit #3 only operated during December,
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System Desi Hg System Desi Hg System Desi Hg	cription: Autoclav 0.00 cription: Autoclav 30,798.00 cription: Autoclav 0.00	e Circuit #2 (S2.1 tpy e Circuit #3 (S2.1 tpy tpy e Circuit #3 (S2.1 tpy e Circuit #3 (S2.1 tpy	016 & S2.017/ 0 018/TU4.016) 0.00043 018/TU4.016) 0	TU4.014 & Ti lbs/hr lbs/hr	0.1238  Alkaline Operation  0.0000	288 0	0.0000 0.0000 0.0000	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test conducted 02/08/11. Autoclave Circuit #3 only operated during December, 2010. Testing was conducted during acidic operations mode only.  Autoclave Circuit #3 did not operate in alkaline mode during 2010.  Autoclave Circuit #4 emissions factor derived from 2010 M29 stack test.
System Desi Hg System Desi Hg System Desi Hg	cription: Autoclav 0.00 cription: Autoclav 30,798.00 cription: Autoclav 0.00	e Circuit #2 (S2.1 tpy e Circuit #3 (S2.1 tpy tpy e Circuit #3 (S2.1 tpy e Circuit #3 (S2.1 tpy	016 & S2.017/ 0 018/TU4.016) 0.00043 018/TU4.016) 0	TU4.014 & Ti lbs/hr lbs/hr	0.1238  Alkaline Operation  0.0000	288 0	0.0000 0.0000 0.0000	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test conducted 02/08/11. Autoclave Circuit #3 only operated during December, 2010. Testing was conducted during acidic operations mode only.  Autoclave Circuit #3 did not operate in alkaline mode during 2010.  Autoclave Circuit #4 emissions factor derived from 2010 M29 stack test. Testing was conducted during dual Autoclave operation and only during
System Desi Hg System Desi Hg System Desi Hg	cription: Autoclav 0.00 cription: Autoclav 30,798.00 cription: Autoclav 0.00	e Circuit #2 (S2.1 tpy e Circuit #3 (S2.1 tpy tpy e Circuit #3 (S2.1 tpy e Circuit #3 (S2.1 tpy	016 & S2.017/ 0 018/TU4.016) 0.00043 018/TU4.016) 0	TU4.014 & Ti lbs/hr lbs/hr	0.1238  Alkaline Operation  0.0000	288 0	0.0000 0.0000 0.0000	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test conducted 02/08/11. Autoclave Circuit #3 only operated during December, 2010. Testing was conducted during acidic operations mode only.  Autoclave Circuit #3 did not operate in alkaline mode during 2010.  Autoclave Circuit #4 emissions factor derived from 2010 M29 stack test. Testing was conducted during dual Autoclave operation and only during acidic operations mode. Annual hours operated is the average of individual
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System Design Hg System Design Hg System Design Hg System Design Hg System Design Hg System Design Hg System Design Hg	cription: Autoclav 0.00 cription: Autoclav 30,798.00 cription: Autoclav 0.00 cription: Autoclav 1,528,847.00 cription: Autoclav	e Circuit #2 (S2.4 tpy e Circuit #3 (S2.4 tpy e Circuit #3 (S2.4 tpy e Circuit #4 (S2.4 tpy e Circuit #4 (S2.4	016 & S2.017/ 0 018/TU4.016) 0.00043 018/TU4.016) 0 019 & S2.020/ 0.00061 019 & S2.020/	Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr TU4.017 & Ti	U4.015)) 0.0000 Acidic Operation  0.1238 Alkaline Operation 0.0000  U4.018)  3.7668  U4.018)	Alkaline 0 288 0 Acidic	0.0000  0.0000  0.0000  0.0000  Operation  0.0000  0.0000	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test conducted 02/08/11. Autoclave Circuit #3 only operated during December, 2010. Testing was conducted during acidic operations mode only.  Autoclave Circuit #3 did not operate in alkaline mode during 2010.  Autoclave Circuit #4 emissions factor derived from 2010 M29 stack test. Testing was conducted during dual Autoclave operation and only during acidic operations mode. Annual hours operated is the average of individual Autoclave operations. Autoclave #5 (TU4.017) operated 5,117 hrs/yr; Autoclave #6 (TU4.018) operated 7,232 hrs/yr.
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System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg	acription: Autoclav 0.00 cription: Autoclav 30,798.00 cription: Autoclav 0.00 cription: Autoclav 1,528,847.00 cription: Autoclav 0.00 cription: Autoclav 33.00 cription: Mercury 30.00	e Circuit #2 (S2.4 tpy e Circuit #3 (S2.4 tpy e Circuit #3 (S2.4 tpy e Circuit #4 (S2.4 tpy e Circuit #4 (S2.4 tpy e Circuit #4 (S2.4 tpy Retorts #1 (S2.0 tpy Retorts #2 (S2.0 tpy	016 & S2.017/ 0 018/TU4.016) 0.00043 018/TU4.016) 0 0 019 & S2.020/ 0.00061 019 & S2.020/ 019 & S2.020/ 009/TU4.019) 0.0000174 10/TU4.020) 0.0000245	Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr TU4.017 & Ti Ibs/hr TU4.017 & Ti Ibs/hr	U4.015))  0.0000  Acidic Operation  0.1238  Alkaline Operation  0.0000  U4.018)  3.7668  U4.018)  0.0000	288  0 Acidic  6,175 Alkalini 0	0.0000  0.0000  0.0000  0.0000  Operation  0.0000  0.0000  0.0000  0.0000  0.0000	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test conducted 02/08/11. Autoclave Circuit #3 only operated during December, 2010. Testing was conducted during acidic operations mode only.  Autoclave Circuit #3 did not operate in alkaline mode during 2010.  Autoclave Circuit #4 emissions factor derived from 2010 M29 stack test. Testing was conducted during dual Autoclave operation and only during acidic operations mode. Annual hours operated is the average of individual Autoclave operations. Autoclave #5 (TU4.017) operated 5,117 hrs/yr; Autoclave #6 (TU4.018) operated 7,232 hrs/yr.  Autoclave Circuit #4 did not operate in alkaline mode during 2010.
System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg	acription: Autoclav 0.00 cription: Autoclav 30,798.00 cription: Autoclav 0.00 cription: Autoclav 1,528,847.00 cription: Autoclav 0.00 cription: Autoclav 33.00 cription: Mercury 33.00 cription: Mercury	e Circuit #2 (S2.4 tpy e Circuit #3 (S2.4 tpy e Circuit #3 (S2.4 tpy e Circuit #4 (S2.4 tpy e Circuit #4 (S2.4 tpy e Circuit #4 (S2.4 tpy Retorts #1 (S2.0 tpy Retorts #2 (S2.0 tpy	016 & S2.017/ 0 018/TU4.016) 0.00043 018/TU4.016) 0 0 019 & S2.020/ 0.00061 019 & S2.020/ 019 & S2.020/ 009/TU4.019) 0.0000174 10/TU4.020) 0.0000245	Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr TU4.017 & Ti Ibs/hr TU4.017 & Ti Ibs/hr Ibs/hr	U4.015))  0.0000  Acidic Operation  0.1238  Alkaline Operation 0.0000  U4.018)  3.7668  U4.018)  0.0000  0.0323	288  0 Acidic 6,175 Alkaline 0 1,858	0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test conducted 02/08/11. Autoclave Circuit #3 only operated during December, 2010. Testing was conducted during acidic operations mode only.  Autoclave Circuit #3 did not operate in alkaline mode during 2010.  Autoclave Circuit #4 emissions factor derived from 2010 M29 stack test. Testing was conducted during dual Autoclave operation and only during acidic operations mode. Annual hours operated is the average of individual Autoclave operations. Autoclave #5 (TU4.017) operated 5,117 hrs/yr; Autoclave #6 (TU4.018) operated 7,232 hrs/yr.  Autoclave Circuit #4 did not operate in alkaline mode during 2010.  Retort emissions factor derived from 2010 M29 stack test.
System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg	acription: Autoclav 0.00 cription: Autoclav 30,798.00 cription: Autoclav 0.00 cription: Autoclav 1,528,847.00 cription: Autoclav 0.00 cription: Autoclav 33.00 cription: Mercury 30.00	e Circuit #2 (S2.4 tpy e Circuit #3 (S2.4 tpy e Circuit #3 (S2.4 tpy e Circuit #4 (S2.4 tpy e Circuit #4 (S2.4 tpy e Circuit #4 (S2.4 tpy Retorts #1 (S2.0 tpy Retorts #2 (S2.0 tpy	016 & S2.017/ 0 018/TU4.016) 0.00043 018/TU4.016) 0 0 019 & S2.020/ 0.00061 019 & S2.020/ 019 & S2.020/ 009/TU4.019) 0.0000174 10/TU4.020) 0.0000245	Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr TU4.017 & Ti Ibs/hr TU4.017 & Ti Ibs/hr Ibs/hr	U4.015))  0.0000  Acidic Operation  0.1238  Alkaline Operation  0.0000  U4.018)  3.7668  U4.018)  0.0000	288  0 Acidic 6,175 Alkaline 0 1,858	0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test conducted 02/08/11. Autoclave Circuit #3 only operated during December, 2010. Testing was conducted during acidic operations mode only.  Autoclave Circuit #3 did not operate in alkaline mode during 2010.  Autoclave Circuit #4 emissions factor derived from 2010 M29 stack test. Testing was conducted during dual Autoclave operation and only during acidic operations mode. Annual hours operated is the average of individual Autoclave operations. Autoclave #5 (TU4.017) operated 5,117 hrs/yr; Autoclave #6 (TU4.018) operated 7,232 hrs/yr.  Autoclave Circuit #4 did not operate in alkaline mode during 2010.  Retort emissions factor derived from 2010 M29 stack test.
System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg	acription: Autoclav 0.00 cription: Autoclav 30,798.00 cription: Autoclav 0.00 cription: Autoclav 1,528,847.00 cription: Autoclav 0.00 cription: Mercury 33.00 cription: Mercury 30.00 cription: Mercury	e Circuit #2 (S2.1 tpy e Circuit #3 (S2.1 tpy e Circuit #3 (S2.1 tpy e Circuit #4 (S2.1 tpy e Circuit #4 (S2.1 tpy e Circuit #4 (S2.1 tpy Retorts #1 (S2.0 tpy Retorts #2 (S2.0 tpy Retorts #3 (S2.0 tpy Retorts #3 (S2.0 tpy	016 & S2.017/ 0 0 018/TU4.016) 0.00043 018/TU4.016) 0 019 & S2.020/ 0.00061 019 & S2.020/ 0 09/TU4.019) 0.000014 10/TU4.020) 0.0000245 11/TU4.021) 0.000183	Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr	U4.015))  0.0000  Acidic Operation  0.1238  Alkaline Operation 0.0000  U4.018)  3.7668  U4.018)  0.0000  0.0323	Alkaline 0 288 0 Acidic 6,175 Alkaline 0 1,858	0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test conducted 02/08/11. Autoclave Circuit #3 only operated during December, 2010. Testing was conducted during acidic operations mode only.  Autoclave Circuit #3 did not operate in alkaline mode during 2010.  Autoclave Circuit #4 emissions factor derived from 2010 M29 stack test. Testing was conducted during dual Autoclave operation and only during acidic operations mode. Annual hours operated is the average of individual Autoclave operations. Autoclave #5 (TU4.017) operated 5,117 hrs/yr; Autoclave #6 (TU4.018) operated 7,232 hrs/yr.  Autoclave Circuit #4 did not operate in alkaline mode during 2010.  Retort emissions factor derived from 2010 M29 stack test.
System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg System Designer Hg	30,798.00 cription: Autoclav 30,798.00 cription: Autoclav 0.00 cription: Autoclav 0.00 cription: Autoclav 1,528,847.00 cription: Autoclav 0.00 cription: Mercury 33.00 cription: Mercury 30.00 cription: Mercury 30.00 cription: Mercury 32.00	e Circuit #2 (S2.1 tpy e Circuit #3 (S2.1 tpy e Circuit #3 (S2.1 tpy e Circuit #4 (S2.1 tpy e Circuit #4 (S2.1 tpy e Circuit #4 (S2.1 tpy Retorts #1 (S2.0 tpy Retorts #2 (S2.0 tpy Retorts #3 (S2.0 tpy Retorts #3 (S2.0 tpy	016 & S2.017/ 0 0 018/TU4.016) 0.00043 018/TU4.016) 0 019 & S2.020/ 0.00061 019 & S2.020/ 0 09/TU4.019) 0.000014 10/TU4.020) 0.0000245 11/TU4.021) 0.000183	Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr Ibs/hr	U4.015))  0.0000  Acidic Operation  0.1238  Alkaline Operation 0.0000  U4.018)  3.7668  U4.018)  0.0000  0.0323	Alkaline 0 288 0 Acidic 6,175 Alkaline 0 1,858	0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000	Autoclave operations. Autoclave #2 (TU4.014) operated 6,866 hrs/yr; Autoclave #3 (TU4.015) operated 4,038 hrs/yr.  Autoclave Circuit #2 did not operate in alkaline mode during 2010.  Autoclave Circuit #3 emissions factor derived from M29 stack test conducted 02/08/11. Autoclave Circuit #3 only operated during December, 2010. Testing was conducted during acidic operations mode only.  Autoclave Circuit #3 did not operate in alkaline mode during 2010.  Autoclave Circuit #4 emissions factor derived from 2010 M29 stack test. Testing was conducted during dual Autoclave operation and only during acidic operations mode. Annual hours operated is the average of individual Autoclave operations. Autoclave #5 (TU4.017) operated 5,117 hrs/yr; Autoclave #6 (TU4.018) operated 7,232 hrs/yr.  Autoclave Circuit #4 did not operate in alkaline mode during 2010.  Retort emissions factor derived from 2010 M29 stack test.

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					NP1041-2221 (continue					
System Desc	cription: East & V	Vest Refinery Fur	naces & Elect	tro-winning Ce	ells combined vented t	hrough a co	mmon carbon f	filter and stack (S2.013 & S2.014/TU4.022 & TU4.023)		
								Furnaces's/EW Cells emissions factor derived from 2010 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 432 hrs/yr; West Furnace (TU4.023)		
Hg	71.00	tpy	0.00148	lbs/hr	0.6009	406	0.0000	operated 380 hrs/yr.		
System Desc	System Description: Electro-winning Cells only (TU4.024)									
								EW Cells emissions factor derived from 2010 M29 stack test while the		
								Furnaces were not operating. Total EW Cell operating hours were 7,680		
								hrs/yr. Combined Furnace/EW Cell operating hours of 406 hrs/yr. was		
								subtracted from total hours operated to arrive at 7,274 hours of EW Cell		
Hg	Not Reported	gals/yr	0.0006	lbs/hr	4.3644	7,274	0.0000	operations only.		
System Desc	cription: Assay, N	Iill, Mill Met, Auto	clave, Autocla	ave Met and R	Roaster Pumphouse La	aboratories,	Strip Circuit Are	ea and Ore Fines Fee System.		
Hg					4.4495		0.0000	Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.		
			CY2006	Facility Total:	616.7650		98.5500	CY2006 Co-product: 197,100 lbs/yr.		
			CY2007	Facility Total:	708.6590		58.6300	CY2007 Co-product: 117,260 lbs/yr.		
			CY2008 I	Facility Total:	166.0557	I	87.3300	CY2008 Co-product: 134,660 lbs/yr.		
			CY2009 I	Facility Total:	369.7831	I	61.8730	CY2009 Co-product: 123,746 lbs/yr.		
			CY2010 F	acility Total:	266.9336		60.1080	CY2010 Co-product: 120,216 lbs/yr. (91,366 lbs calomel; 28,850 lbs - elemental).		

CY 2010 Cu	ımulative	Totals	CY 2010 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 oriotro reporting accordacy.
1,134.15		101.59	Co-product: 203,180 lbs/yr

Note that the total value is lower than actual industrywide 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
			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. In general, testing went much better in 2009
lbs/yr		tpy	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 C	umulative T	otals	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,
lbs/yr		tpy	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 C	umulative T	otals	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.
lbs/yr		tpy	Testing protocals were reviewed prior to test commencement and all final
	Ī		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
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