| | Nevada Division of Environmental Protection | | | | | | | | | |
|-------------------|---|---------------------|-----------------|-----------------|--------------------------|---------------|-------------------|---|--|--|
| | Bureau of Air Pollution Control | | | | | | | | | |
| | | Calendar Yea | r 2011 Actual | Production/Er | mission Reporting Spre | eadsheet for | Mercury Emiss | sions from the Precious Metals Mining Industry | | |
| | | Cumula | utive Nevada N | Aercury Contro | ol Program (NMCP): M | Vercury Ope | erating Permit To | o Construct (MOPTC) Data Submittals | | |
| Pollutant ID | Production/Heat | Production Units | J Emissions | Emissions | HG Annual | Hours | HG Co-Produc | vt Notes | | |
| | Rate | (eg. tons/yr) | Factor | Factor Units | Emissions (lbs/yr) | Operated | (tons/yr) | | | |
| Source: Ne | Source: Newmont Mining Corporation - Twin Creeks Mine: AQOP AP1041-0723.01; MOPTC AP1041-2218 | | | | | | | | | |
| System Des | cription: Juniper | Mill Electric Induc | tion Furnace (| S2.001/TU4.0 | 001 - 1 of 2, only one c | operates at a | a time) | | | |
| Hg | 30.40 | tpy | 0.00003367 | lbs/hr | 0.0156 | 464 | 0.0000 | Induction Furnace emissions factor derived from 2011 M29 stack test. | | |
| System Des | cription: Juniper | Mill Electric Induc | tion Furnace (| S2.001.1/TU4 | 4.002 - 1 of 2, only one | operates at | t a time) | | | |
| Hg | 26.72 | tpy | 0.00002433 | lbs/hr | 0.0099 | 407 | 0.0000 | Induction Furnace emissions factor derived from 2011 M29 stack test. | | |
| System Des | cription: Juniper | Mill Carbon Kiln (| S2.002/TU4.00 | 03) | | | | | | |
| Hg | 5,693.28 | tpy | 0.0002109 | lbs/hr | 1.6217 | 7,689 | 0.3950 | Carbon Kiln emissions factor derived from 2011 M29 stack test. | | |
| System Des | cription: Mercury | Retort Circuit A (| S2.004/TU4.0 | 04) | | | | | | |
| Hg | 21.59 | tpy | 0.000001 | lbs/hr | 0.0034 | 3,444 | 1.5700 | Retort A emissions factor derived from 2011 M29 stack test. | | |
| System Des | cription: Mercury | Retort Circuit B (| S2.005/TU4.0 | 05) | | | | | | |
| Hg | 23.61 | tpy | 0.0000083 | lbs/hr | 0.0027 | 3,297 | 2.0290 | Retort B emissions factor derived from 2011 M29 stack test. | | |
| System Des | cription: Sage Mi | II Autoclave (S2.0 |)23/TU4.014) | | | | | | | |
| Hg | 1,906,327.00 | tpy | 0.01602 | lbs/hr | 124.9608 | 7,800 | 0.0000 | Autoclave #1 emissions factor derived from 2011 M29 stack test. | | |
| System Des | cription: Sage Mi | III Autoclave (S2.0 |)24/TU4.015) | | | | | | | |
| Hg | 1,822,525.00 | tpy | 0.01454 | lbs/hr | 119.2149 | 8,199 | 0.0000 | Autoclave #2 emissions factor derived from 2011 M29 stack test. | | |
| System Des | cription: Electro- | winning Cells (TU | 4.011 - six cel | Is ducted to c | common stack) | | | | | |
| Hg | 84.52 | MMgals/yr | 0.01079 | lbs/hr | 94.5204 | 8,760 | 0.0000 | Electro-winning Cells emissions factor derived from 2011 M29 stack test. | | |
| System Des | cription: Juniper | Mill Pregnant & B | arren Strip So | lution Tanks (| (TU4.008 - TU4.010) | | | | | |
| Hg | 84.52 | MMgals/yr | 0.01204 | lbs/hr | 105.4704 | 8,760 | 0.0000 | Preg./Barren Tanks emissions factor derived from 2011 M29 stack test. | | |
| System Des | cription: Pinon M | lill Pregnant & Bar | rren Strip Solu | tion Tanks (T | U4.012 & TU4.013) | | | | | |
| Hg | 49.03 | MMgals/yr | 0.0002712 | lbs/hr | 2.3757 | 8,760 | 0.0000 | Emissions estimate - refer to attached calculation. | | |
| System Des | cription: Laborate | orv Sample Prep. | Room, Fire Ar | ssav Room, V | Vet Lab Room, Slurry | Prep. Room | LECO Room, | Instrumentation Room, Met Lab Room & Autoclave Room | | |
| Hg | | | 1 | í ' | 3.9775 | | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. | | |
| Ŭ | | | CY2006 | Facility Total: | 434.3715 | i i | 8.9100 | CY2006 Co-product: 17.820 lbs/yr | | |
| | | | CY2007 / | Facility Total: | 929.9303 | ł | 13.2160 | CY2007 Co-product: 26,432 lbs/yr. | | |
| | | | CY2008 | Facility Total: | 1.679.1864 | ł | 8.8000 | CY2008 Co-product: 17.600 lbs/vr. | | |
| | | | CY2009 / | Facility Total: | 425.7559 | ł | 5.9080 | CY2009 Co-product: 11.816 lbs/vr. | | |
| | | | CY2010 / | Facility Total: | 178.8392 | ł | 5.4670 | CY2010 Co-product: 10.934 lbs/vr. | | |
| | | | CY2011 F | acility Total: | 452.1731 | i i | 3.9940 | CY2011 Co-product: 7.988.00 lbs/vr. | | |
| Source: Qu | eenstake Reourc | es USA Inc Jer | rritt Canvon Mi | ine: AQOP AF | P1041-0778; MOPTC / | AP1041-221 | 7 | | | |
| System Des | cription: West R | paster Process (S | 2 036 & PF1.7 | 213/TU4.001) | | | 1 | | | |
| На | 304 470.00 | | 0.0057 | lbs/hr | 26 0433 | 4 569 | 0.0000 | Reaster emissions factor derived from average of 2011 M29 stack tests. | | |
| System Des | cription: East Ro | aster Process (S2 | 2 041 & PF1.2 | 14/TU4.002) | 20.0.00 | 1,000 | 0.0000 | | | |
| На | 348 622.00 | tpv | 0 0059 | lbs/hr | 29 7714 | 5 046 | 0.0000 | Reaster emissions factor derived from average of 2011 M29 stack tests. | | |
| System Des | cription: Ore Dry | er (S2 026/TU4 0 | 103) | | 20.7 | 0,010 | 0.0000 | | | |
| Ha | 35 496 00 | | 0.002 | lbs/hr | 8 5780 | 4 289 | 0.0000 | Ore Driver emissions factor derived from 2011 M29 stack test | | |
| System Des | cription: Mercury | Betort (S2 051/T | 114 004) | 100,111 | 0.07.00 | 7,200 | 0.0000 | | | |
| Ha | 10.00 | tov | 0,000222 | lbs/hr | 0.5170 | 2 329 | 0.0000 | Retort emissions factor derived from 2011 M29 stack test | | |
| System Des | cription: Refining | Process Inductio | n Eurnace (S2 | 2 050/TU4 00/ | 5) | 2,020 | 0.0000 | | | |
| Ha | 10.00 | tpv | 0.0034 | lbs/hr | 2 8254 | 831 | 0.0000 | Furnace emissions factor derived from 2011 M29 stack test | | |
| System Des | cription: Laborate | ory Units Including | a Large Ore D | rving Ovens (| 5 Units) and Electro-w | inning Cells | 0.0000 | | | |
| Ha | | | | ying Ovene (| 2 1363 | Inning Cono | 0.0000 | Potential to emit (PTF) not actual - see De Minimis Designation Tech. Rev | | |
| y | | | CY2006 | Facility Total: | 293 9245 | | 2 9600 | CV2006 Co-product: 5 920 lbs/vr | | |
| | | | CY2007 | Facility Total: | 1 966 3934 | ł | 1 0200 | $CV2007 Co_{\text{product: } 2,040 \text{ lbs/yr}}$ | | |
| | | | CY2008 / | Eacility Total: | 219 9723 | t | 0.7100 | CV2008 Co-product: 1.420 lbs/yr | | |
| | | | CY2009 | Eacility Total: | 138 9704 | t | 2 1000 | CV2000 CO-product: 4 200 lbs/vr | | |
| | | | CY2010 | Eacility Total: | 3/ 9527 | ł | 11 0380 | $CV2010 Co_{\text{product}} 22 0.76 \text{ lbs/yr}$ | | |
| | | | CV2011 F | acility Total: | 69 8714 | | 0.0000 | CV2011 Co-product: 0.00 lbs/yr. | | |
| Source: No | | reprotion Gold (| | A D1041 070 | | 210 | 0.0000 | | | |
| Source. Ne | which withing Co | rporation - Gold G | Juarry. AQOP | APT041-079 | 3, MOPTC AP1041-22 | 219 | | | | |
| System Des | | | | All Pre-Heale | 2.0256 | 7 490 | 0.0000 | Static Concretes amigging factor derived from 2011 M20 stock test | | |
| Hg Custare Das | 3,093,864.00 | tpy | 0.000404 | | 3.0250 | 7,489 | 0.0000 | Static Seperator emissions factor derived from 2011 M29 stack test. | | |
| System Des | | rth and South Ore | Preneaters (| 52.126 & 52. | 129/104.002 & 104.0 | 7.540 | 0.0000 | Ore Droke starle emissions featur derived from 0011 M00 starle test | | |
| Hg Custare Das | 3,269,053.00 | tpy | 0.002657 | | 20.0391 | 7,542 | 0.0000 | Ore Preneater's emissions factor derived from 2011 M29 stack test. | | |
| System Des | | rth and South Ore | 3 Roasters (52 | | 5/104.004 & 104.005 |) | 0.0500 | Our Developer for the device of form 2014 M22 shock had | | |
| нg | J,∠JJ,UJJ.UU | ιpy | 0.000284 | IDS/III | 2.1419 | 7,342 | 2.0000 | Ure huaster's factor derived from 2011 M/29 Stack test. | | |

| Source: New | wmont Mining Co | rporation - Gold C | Quarry: AQOP | AP1041-079 | 3; MOPTC AP1041-22 | 219 (continu | ued) | |
|-------------|---------------------|---------------------|-----------------|-----------------|-------------------------|--------------|--------|---|
| System Desc | cription: ROTP N | lorth Calcine Que | nch Circuit (S2 | 2.158 & S2.1 | 59/TU4.006 - TU4.009 |) | | |
| Hg | 1,349,850.00 | tpy | 0.006039 | lbs/hr | 45.5220 | 7,538 | 0.0000 | North Quench Circuit emissions factor derived from 2011 M29 stack test. |
| System Desc | cription: ROTP S | outh Calcine Que | ench Circuit (S | 2.160 & S2.1 | 61/TU4.010 - TU4.013 |) | | |
| Hg | 1,919,203.00 | tpy | 0.009026 | lbs/hr | 68.0741 | 7,542 | 0.0000 | South Quench Circuit emissions factor derived from 2011 M29 stack test. |
| System Desc | cription: AARL C | arbon Stripping C | ircuit (Pregnai | nt Tanks: TL | J4.014 & TU4.015) | | | |
| Hg | 14,104.50 | tpy | 0.00173 | lbs/hr | 14.4974 | 8,380 | 0.0000 | Pergnant Strip Tanks emissions factor derived from 2011 M29 stack test. |
| System Desc | cription: Refinery | Barren Tank & E | lectro-winning | Cells (TU4.0 |)16 & TU4.017) | | | |
| Hg | 40,494,430.00 | gals/yr | 0.001252 | lbs/hr | 8.8896 | 7,100 | 0.0000 | Barren Tank/EW Cells emissions factor derived from 2011 M29 stack test. |
| System Desc | cription: Refinery | Mercury Retort C | Circuit (S2.041 | - S2.046/TU | 4.018 - TU4.023) | | | |
| Hg | 58.30 | tpy | 0.004894 | lbs/hr | 14.1730 | 2,896 | 1.4900 | Retort Circuit emissions factor derived from 2011 M29 stack test. |
| System Desc | cription: Electric | Refinery Induction | n Furnaces (Sa | 2.047 - S2.04 | 9/TU4.024 - TU4.026) | | | |
| Hg | 65.00 | tpy | 0.0017 | lbs/hr | 0.8680 | 511 | 0.0000 | Induction Furnace emissions factor derived from 2011 M29 stack test. |
| System Desc | cription: Carbon I | Kiln #1 (Zadra Bu | ilding) Scrubb | er Stack (S2. | 056/TU4.027) | | | |
| Hg | 6,826.00 | tpy | 0.002046 | lbs/hr | 14.2954 | 6,987 | 0.2900 | Kiln Scrubber Stack emissions factor derived from 2011 M29 stack test. |
| System Desc | cription: Carbon I | Kiln #2 (AARL Bu | ilding) Scrubb | er Stack (S2. | 058?TU4.028) | | | |
| Hg | 6,401.00 | tpy | 0.004566 | lbs/hr | 29.1585 | 6,386 | 0.0200 | Kiln Scrubber Stack emissions factor derived from 2011 M29 stack test. |
| System Desc | cription: Assay La | aboratory, Met La | boratory & Inte | egrated Labo | ratory | | | |
| Hg | 1 | | | | 1.9230 | | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. |
| | • | • | CY2006 F | acility Total: | 310.6937 | | 2.7200 | CY2006 Co-product: 5,440 lbs/yr. |
| | | | CY2007 F | acility Total: | 504.4204 | | 6.1600 | CY2007 Co-product: 12,320 lbs/yr. |
| | | | CY2008 | acility Total: | 422.4137 | | 6.7700 | CY2008 Co-product: 13,540 lbs/yr. |
| | | | CY2009 F | acility Total: | 280.6857 | | 5.3900 | CY2009 Co-product: 10,780 lbs/yr. |
| | | | CY2010 | acility Total: | 397.1321 | | 5,7000 | CY2010 Co-product: 11.400 lbs/yr. |
| | | | CY2011 Fa | acility Total: | 222.6075 | | 3.8500 | CY2011 Co-product: 7,700.00 lbs/yr. |
| Source: Nev | wmont Mining Co | rooration - Midas | Operations: A | OOP AP104 | 1-0766 01 MOPTC AF | 21041-2253 | | |
| System Desc | cription: Refinery | Eurnace #1 (S2) | 035/TLI4 001) | | 10700.01, MOT 1074 | 1011 2200 | | |
| Ha | 72.00 | tnv | 0.02751 | lbs/hr | 12 3988 | 451 | 0.0000 | Eurnace #1 emissions factor derived from 2011 M29 stack test |
| System Desc | cription: Refinery | Eurnace #2 (S2) | 036/TLI4 002) | 100/11 | 12.0000 | 101 | 0.0000 | |
| Ha | 67.00 | tnv | 0.01123 | lbs/hr | 4 4246 | 394 | 0.0000 | Eurnace #2 emissions factor derived from 2011 M29 stack test |
| System Desc | cription: Retort A | (S2 037/TLI4 00) | 3) | 100/11 | 1.1210 | 001 | 0.0000 | |
| Ha | 106.00 | tnv | 0.000491 | lbs/hr | 1 4966 | 3 048 | 0.0097 | Betort A emissions factor derived from 2011 M29 stack test |
| System Desc | cription: Retort B | (S2 038/TU4 004 | 4) | 100,111 | | 0,010 | 010001 | |
| Ha | 69.00 | tov | 0.00298 | lbs/hr | 11 9289 | 4 003 | 0.0002 | Betort B emissions factor derived from 2011 M29 stack test |
| System Desc | cription: Assay La | aboratory | 0.00200 | 100,111 | 1110200 | ., | 010002 | |
| Ha | | | | lbs/hr | 1.8326 | | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. |
| g | 1 | | CY2006 F | acility Total: | 17 1801 | | 0,0000 | CY2006 Co-product: 0.00 lbs/vr |
| | | | CY2007 F | Facility Total: | 4 2457 | | 0.0000 | CY2007 Co-product: 0.00 lbs/yr |
| | | | CY2008 | acility Total: | 41.3420 | | 0.0000 | CY2008 Co-product: 0.00 lbs/yr. |
| | | | CY2009 | acility Total: | 6.4395 | | 0.0000 | CY2009 Co-product: 0.00 lbs/yr. |
| | | | CY2010 | acility Total: | 14.2333 | | 0.0000 | CY2010 Co-product: 0.00 lbs/yr. |
| | | | CY2011 Fa | acility Total: | 32.0815 | | 0.0099 | CY2011 Co-product: 19.87 lbs/yr. |
| Source: Bar | rick Bald Mounta | ain Mine - Hunting | ton Vallev: A | OP AP1041 | -1362 MOPTC AP104 | 1-2246 | | |
| System Desc | cription: Propage | Fired Carbon Be | ageneration Kil | n (S2 001/TI | 14 001) | | | |
| Ha | 191 29 | tny | 0.0000056 | lbs/hr | 0.0115 | 2 047 | 0.0000 | Carbon Kiln emissions factor derived from 2011 M29 stack test |
| System Desc | cription: Propage | Fired Mercury B | etort (S2 002/ | TI 14 002) | 0.0110 | 2,017 | 0.0000 | |
| Ha | 5 54 | tny | 0.00000395 | lbs/hr | 0.0044 | 1 1 1 1 | 1 6100 | Betort emissions factor derived from 2011 M29 stack test |
| System Desc | cription: Propage | Fired Bullion Fu | mace (S2 003) | (TI 14 003) | 0.0044 | 1,111 | 1.0100 | |
| Ha | 3 91 | tnv | 0 0000829 | lbs/hr | 0.0008 | 92 | 0.0000 | Bullion Eurnace emissions factor derived from 2011 M29 stack test |
| System Desc | cription: Electro-v | winning Circuit (14 | 1 024/TI 14 00 | 4) and Barre | n Strip Solution Tank (| TLI4 005) | 0.0000 | |
| Cystem Dest | | | (1.024/104.00 | (4) and Danci | | 104.000) | | Electro-winning Cells emissions factor derived from 2011 M29 stack test |
| | | | | | | | | Barren Strin Solution Tank vented to a common stack with Electro-winning |
| На | 6 929 481 00 | nale/vr | 0.0000144 | lbe/hr | 0.0570 | 3 958 | 0,0000 | Cells therefore emissions factor is for both units |
| System Des | cription: Assault | aboratory | 5.0000144 | 103/111 | 0.0070 | 0,000 | 0.0000 | |
| Ha | | | | | 3 1/62 | | 0.0000 | Potential to emit (PTE) not actual - see De Minimis Designation Tools Pou |
| , iy | 1 | 1 | CV2006 | acility Total: | 204 3025 | | 2 9/00 | CY2006 Co-product: 5 880 lbs/vr |
| | | | CY2007 | Facility Total | 57 4138 | | 2 2750 | CY2007 Co-product: 4,550 lbs/yr |
| | | | CY2008 F | Facility Total: | 278 3220 | | 2 6000 | CV2008 Co-product: 5 200 lbs/yr |
| | | | CV2000 | Facility Total | 5 8005 | | 1 5600 | CV2009 Co-product: 3 120 lbs/yr |
| | | | CY2010 | Facility Total | 7 8188 | | 1 4300 | CY2010 Co-product: 2 860 lbs/yr |
| | | | CY2011 E | acility Total | 3 2198 | | 1 6100 | CY2011 Co-product: 3 220 00 lbs/yr |
| | | | | | 0.2100 | | | |

| Source. Re | ennecott Rawhide I | Mining Company | Denton-Rawh | hide Mine: A | QOP AP1041-1116.02 | 2; MOPTC A | P1041-2245 | |
|--|--|---|---|--|--|--|--|---|
| System Des | scription: Carbon I | Regeneration Kilr | n (S2.001/TU4. | .001) | | | | |
| Hg | 364.60 | tpy | 0.00000215 | lbs/hr | 0.0187 | 8,682 | 0.0000 | Carbon Kiln emissions factor derived from 2011 M29 stack test. |
| System Des | scription: Electro-v | winning Circuit (IA | 3.007/TU4.002 | 2) | | | | |
| Hg | 13,109,820.00 | gals/yr | 0.0000346 | lbs/hr | 0.1922 | 5,555 | 0.0000 | Electro-winning Cells emissions factor derived from 2011 M29 stack test. |
| System Des | scription: Refinery | Induction Furnac | ce (S2.004/TU4 | 4.003) | | | | |
| Hg | 76.17 | tpy | 0.0845 | lbs/hr | 76.8105 | 909 | 0.0000 | Refinery Furnace emissions factor derived from 2011 M29 stack test. |
| System Des | scription: System | 1 - Mercury Retor | rt (System 2 - S | S2.002) | | | | |
| Hg | 41.10 | tpy | 0.000224 | lbs/hr | 1.4775 | 6,596 | 0.0230 | Retort emissions factor derived from 2011 M29 stack test. |
| System Des | scription: Fire Ass | ay Laboratory | | | | | | |
| Hg | | | | | 0.0142 | | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. |
| | | | CY2006 F | acility Total: | 351.5928 | | 0.0621 | CY2006 Co-product: 124.20 lbs/yr. |
| | | | CY2007 F | acility Total: | 39.5645 | T I | 0.0276 | CY2007 Co-product: 55.20 lbs/yr. |
| | | | CY2008 F | acility Total: | 13.0908 | T I | 0.0262 | CY2008 Co-product: 52.40 lbs/yr. |
| | | | CY2009 F | acility Total: | 12.0029 | T I | 0.0258 | CY2009 Co-product: 51.60 lbs/yr. |
| | | | CY2010 F | acility Total: | 37.6433 | T I | 0.0079 | CY2010 Co-product: 15.80 lbs/yr. |
| | | | CY2011 Fa | acility Total: | 78.5131 | | 0.0230 | CY2011 Co-product: 46.00 lbs/yr. |
| Source: Hy | croft Resources & | Development, In | c Crofoot/Le | wis Project: | AQOP AP1041-0334. | 02; MOPTC | AP1041-2255 | |
| System Des | scription: Mercury | Retort #1 (TU4.0 | 001) | · | | | | |
| Hg | 151.91 | tpy | 0.0000903 | lbs/hr | 0.0572 | 6,331 | 23.0700 | Retort emissions factor derived from 2011 M29 stack test. |
| System Des | scription: Smelting | Furnace (TU4.0 | 02) | | | | | |
| Hg | 62.61 | tpy | 0.0000109 | lbs/hr | 0.0255 | 2,340 | 0.0000 | Refinery Furnace emissions factor derived from 2011 M29 stack test. |
| System Des | scription: Mercury | Retort #2 (TU4.0 | 003) | | | | | |
| Hg | 0.00 | tpy | 0 | lbs/hr | 0.0000 | 0 | 0.0000 | Retort did not operate in 2011. |
| System Des | scription: Assay La | aboratory | | | | | | |
| Hg | | | | | 4.4415 | | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. |
| | | | CY2006 F | acility Total: | 0.0000 | | 0.0000 | CY2006 Co-product: 0.00 lbs/yr. |
| | | | CY2007 F | acility Total: | 0.0000 | 1 | 0.0000 | CY2007 Co-product: 0.00 lbs/yr. |
| | | | CY2008 Facility Total: | | 0.0000 | T I | 0.0000 | CY2008 Co-product: 0.00 lbs/yr. |
| | | | CV2000 F | Eacility Total: | 4 5000 | T I | 0.0000 | |
| | | | 0120031 | aciiity Totai. | 4.5299 | | 0.8000 | CY2009 Co-product: 1,600 lbs/yr. |
| | | | CY2010 F | acility Total: | 4.5299 | | 4.2000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. |
| | | | CY2010 F CY2011 Fa | acility Total: acility Total: | 4.5299 4.5219 4.5242 | | 4.2000 23.0700 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. |
| Source: An | itler Peak Gold, Ind | c. (formerly Metal | CY2010 F CY2011 Fa lic Ventures, In | acility Total: acility Total: acility Total: nc).: AQOP / | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(| CAP1041-22 | 0.8000 4.2000 23.0700 48 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. |
| Source: An System Des | itler Peak Gold, Indescription: Carbon S | c. (formerly Metal Stripping & Reger | CY2010 F CY2010 F CY2011 Fa lic Ventures, In neration (TU4.0 | acility Total: acility Total: acility Total: nc).: AQOP A 001 - TU4.00 | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) | CAP1041-22 | 0.8000 4.2000 23.0700 48 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. |
| Source: An System Des Hg | tler Peak Gold, Ind scription: Carbon S | c. (formerly Metal Stripping & Reger tpy | CY2010 F CY2010 F Ic Ventures, In neration (TU4.0 | acility Total: acility Total: acility Total: nc).: AQOP / 001 - TU4.00 lbs/hr | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 | C AP1041-22 | 0.8000 4.2000 23.0700 48 0.0000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. |
| Source: An System Des Hg System Des | tler Peak Gold, In scription: Carbon s | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.(4 & TU4.005) | acility Total: acility Total: acility Total: nc).: AQOP / 001 - TU4.00 lbs/hr | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 | C AP1041-22 | 0.8000 4.2000 23.0700 48 0.0000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. |
| Source: An System Des Hg System Des Hg | ttler Peak Gold, In scription: Carbon s scription: Mercury | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 tpy | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.(4 & TU4.005) | acility Total: acility Total: acilit | 4.5299 4.5219 4.5242 AP1041-1202; MOPT0 3) 0.0000 | C AP1041-22 | 0.8000 4.2000 23.0700 48 0.0000 0.0000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. |
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| Source: An System Des Hg System Des Hg System Des Hg | tler Peak Gold, Ind scription: Carbon s scription: Mercury scription: Assay La | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 tpy aboratory & Dore | CY2003 F CY2010 F CY2011 Fa lic Ventures, In neration (TU4.(4 & TU4.005) 4 & TU4.005) Furnace CY2006 F | acility Total: acility Total: acility Total: nc): AQOP / 001 - TU4.00 lbs/hr lbs/hr | 4.5299 4.5219 4.5242 AP1041-1202; MOPT0 3) 0.0000 0.0000 0.0222 0.0000 | C AP1041-22 | 0.8000 4.2000 23.0700 48 0.0000 0.0000 0.0000 0.0000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. |
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| Source: An System Des Hg System Des Hg Hg | tler Peak Gold, Ind scription: Carbon s scription: Mercury scription: Assay La | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 tpy aboratory & Dore | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.(4 & TU4.005) Furnace CY2006 F CY2006 F CY2008 F | acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0222 0.0000 0.0000 0.2838 | AP1041-22 | 0.8000 4.2000 23.0700 48 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2007 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. |
| Source: An System Des Hg System Des Hg System Des Hg | ttler Peak Gold, Ind scription: Carbon s scription: Mercury scription: Assay La | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 tpy aboratory & Dore | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.0 4 & TU4.005) Furnace CY2006 F CY2006 F CY2007 F CY2008 F CY2009 F | acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0222 0.0000 0.2838 0.2838 | C AP1041-22 | 0.8000 4.2000 23.0700 48 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. |
| Source: An System Des Hg System Des Hg System Des Hg | ttler Peak Gold, Ind scription: Carbon s scription: Mercury scription: Assay La | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 tpy aboratory & Dore | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.(4 & TU4.005) Furnace CY2006 F CY2006 F CY2007 F CY2008 F CY2008 F CY2009 F CY2010 F | acility Total: acility Total: | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0222 0.0000 0.2838 0.2838 0.2838 0.222 | C AP1041-22 | 0.8000 4.2000 23.0700 48 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. |
| Source: An System Des Hg System Des Hg System Des Hg | tler Peak Gold, Ind scription: Carbon s scription: Mercury scription: Assay La | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 tpy aboratory & Dore | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.0 4 & TU4.005) Furnace CY2006 F CY2007 F CY2007 F CY2008 F CY2009 F CY2010 F CY2011 Fa | acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0222 0.0000 0.2838 0.2838 0.2838 0.0222 0.00222 | C AP1041-22 | 0.8000 4.2000 23.0700 48 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. |
| Source: An System Des Hg System Des Hg System Des Hg Source: Co | ttler Peak Gold, Ind scription: Carbon s scription: Mercury scription: Assay La cription: Assay La | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 tpy aboratory & Dore | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.0 4 & TU4.005) Furnace CY2006 F CY2007 F CY2007 F CY2009 F CY2010 F CY2010 F CY2011 Fa coeur Rocheste | acility Total: acility Total: | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0222 0.0000 0.2838 0.2838 0.2838 0.0222 0.0222 0.0222 0.0222 | 2 AP1041-22 | 0.8000 4.2000 23.0700 48 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. |
| Source: An System Des Hg System Des Hg System Des Source: Co System Des | tler Peak Gold, Ind scription: Carbon S scription: Mercury scription: Assay La cription: Assay La beur D'Alene Minin scription: Refinery | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 tpy aboratory & Dore g Corporation - C Furnace (TU4.00 | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.0 4 & TU4.005) Furnace CY2006 F CY2006 F CY2007 F CY2007 F CY2007 F CY2010 F CY2010 F CY2010 F CY2011 Fa coeur Rocheste | acility Total: acility Total: acility Total: acility Total: acility Total: Ibs/hr Ibs/hr acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0222 0.0000 0.2838 0.2838 0.2838 0.222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 | 2 AP1041-22 | 0.8000 4.2000 23.0700 48 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2007 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. |
| Source: An System Des Hg System Des Hg Hg System Des Source: Co System Des Hg | tler Peak Gold, Ind scription: Carbon S scription: Mercury scription: Assay La scription: Assay La beur D'Alene Minin scription: Refinery 55.37 | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 tpy aboratory & Dore g Corporation - C Furnace (TU4.00 tpy | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.0 4 & TU4.005) Furnace CY2006 F CY2007 F CY2007 F CY2007 F CY2010 F CY2010 F CY2011 Fa coeur Rocheste D1 0.00437 | acility Total: acility Total: acility Total: acility Total: bs/hr bs/hr acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: bs/hr | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0222 0.0000 0.2838 0.2838 0.2838 0.222 0.0222 | 2 AP1041-22 | 0.8000 4.2000 23.0700 48 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.0000000 0.00000 0.00000 0.0000000 0.00000 0.00000 0.00000000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2007 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Refinery Furnace emissions factor derived from 2011 M29 stack test. |
| Source: An System Des Hg System Des Hg System Des Source: Co System Des Hg System Des | tler Peak Gold, Ind scription: Carbon S scription: Mercury scription: Assay La cription: Assay La beur D'Alene Minin scription: Refinery 55.37 scription: Mercury | c. (formerly Metal Stripping & Reger Petorts (TU4.004 tpy aboratory & Dore g Corporation - C Furnace (TU4.00 tpy Retorts (TU4.002 | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.(4 & TU4.005) Furnace CY2006 F CY2007 F CY2007 F CY2010 F CY2010 F CY2010 F CY2010 F CY2011 Fa coeur Rocheste D1 0.00437 2 & TU4.003 | acility Total: acility Total: acility Total: acility Total: bs/hr bs/hr acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: bs/hr | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0222 0.0000 0.2838 0.2838 0.2838 0.2838 0.2822 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.1245 | AP1041-22 | 0.8000 4.2000 23.0700 48 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 0.0000 0.0000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2007 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. |
| Source: An System Des Hg System Des Hg System Des Source: Co System Des Hg System Des Hg | tler Peak Gold, Ind scription: Carbon S scription: Mercury scription: Assay La scription: Assay La scription: Assay La scription: Refinery 55.37 scription: Mercury 89.76 | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 tpy aboratory & Dore g Corporation - C Furnace (TU4.002 tpy Retorts (TU4.002 tpy | CY2010 F CY2011 Fa lic Ventures, In neration (TU4. 4 & TU4.005) Furnace CY2006 F CY2007 F CY2007 F CY2009 F CY2010 F CY2010 F CY2010 F CY2011 Fa coeur Rocheste D1) 0.00437 2 & TU4.003) 0.000043 | acility Total: acility Total: acility Total: acility Total: acility Total: bs/hr acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: bs/hr | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0222 0.0000 0.2838 0.2838 0.2838 0.222 0.0222 DP AP1044-0063.02; I 1.4605 0.0114 | AP1041-22 | 0.8000 4.2000 23.0700 48 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.0000000 0.00000 0.00000 0.00000000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2007 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Refinery Furnace emissions factor derived from 2011 M29 stack test. Retort emissions factor derived from 2011 M29 stack test. |
| Source: An System Des Hg System Des Hg System Des System Des Hg System Des Hg System Des | ttler Peak Gold, Ind scription: Carbon s scription: Mercury scription: Assay La scription: Assay La scription: Refinery 55.37 scription: Mercury 89.76 scription: Assay La | c. (formerly Metal Stripping & Reger Retorts (TU4.004 tpy aboratory & Dore g Corporation - C Furnace (TU4.002 tpy Retorts (TU4.002 tpy aboratory | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.(4 & TU4.005) Furnace CY2006 F CY2006 F CY2007 F CY2007 F CY2010 F CY2010 F CY2010 F CY2010 F CY2011 Fa coeur Rocheste D1) 0.00437 2 & TU4.003) 0.0000043 | acility Total: acility Total: nc):: AQOP / 001 - TU4.00 lbs/hr lbs/hr acility Total: acility Total: | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0222 0.0000 0.2838 0.2838 0.2838 0.222 0.0222 DP AP1044-0063.02; 1 1.4605 0.0114 | 2 AP1041-22 | 0.8000 4.2000 23.0700 48 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.0000000 0.00000 0.00000 0.00000000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2007 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Refinery Furnace emissions factor derived from 2011 M29 stack test. Retort emissions factor derived from 2011 M29 stack test. |
| Source: An System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg | ttler Peak Gold, Ind scription: Carbon s scription: Mercury scription: Assay La scription: Assay La beur D'Alene Minin scription: Refinery 55.37 scription: Refinery 89.76 scription: Assay La | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 tpy aboratory & Dore g Corporation - C Furnace (TU4.002 tpy Retorts (TU4.002 tpy aboratory | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.0 4 & TU4.005) Furnace CY2006 F CY2006 F CY2007 F CY2007 F CY2010 F CY2010 F CY2010 F CY2011 Fa oeur Rocheste D1) 0.00437 2 & TU4.003) 0.000043 | acility Total: acility Total: nc): AQOP / 001 - TU4.00 lbs/hr acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: bs/hr lbs/hr | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0222 0.0000 0.2838 0.2838 0.2838 0.222 0.0222 DP AP1044-0063.02; 1 1.4605 0.0114 1.8805 | 2 AP1041-22 | 0.8000 4.2000 23.0700 48 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.000000 0.00000000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Refinery Furnace emissions factor derived from 2011 M29 stack test. Retort emissions factor derived from 2011 M29 stack test. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. |
| Source: An System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg | ttler Peak Gold, Ind scription: Carbon s scription: Mercury scription: Assay La scription: Assay La beur D'Alene Minin scription: Refinery 55.37 scription: Mercury 89.76 scription: Assay La | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 tpy aboratory & Dore g Corporation - C Furnace (TU4.00 tpy Retorts (TU4.002 tpy aboratory | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.0 4 & TU4.005) Furnace CY2006 F CY2007 F CY2007 F CY2008 F CY2010 F CY2010 F CY2010 F CY2010 F CY2011 Fa oeur Rocheste D1) 0.00437 2 & TU4.003) 0.000043 | acility Total: acility Total: | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0022 0.0000 0.02838 0.2838 0.0222 0.0000 0.02838 0.0222 0.0222 0.0000 0.02838 0.0222 0.0000 0.00022 0.0022 0.00022 0.0022 0.0022 0.0022 0.0022 0.0022 0.0022 0.0022 0.0022 0.0022 0.0022 0.0022 0.0022 0.00000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000000 | C AP1041-22 | 0.8000 4.2000 23.0700 48 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 11.2000 11.2000 16.1000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Refinery Furnace emissions factor derived from 2011 M29 stack test. Retort emissions factor derived from 2011 M29 stack test. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 32,200.00 lbs/yr. |
| Source: An System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg | tler Peak Gold, Ind scription: Carbon S scription: Mercury scription: Assay La cription: Assay La beur D'Alene Minin scription: Refinery 55.37 scription: Mercury 89.76 scription: Assay La | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.00/ tpy aboratory & Dore g Corporation - C Furnace (TU4.00 tpy Retorts (TU4.002 tpy aboratory | CY2003 F CY2010 F CY2011 Fa lic Ventures, In neration (TU4.0 4 & TU4.005) Furnace CY2006 F CY2007 F CY2007 F CY2008 F CY2010 F CY2010 F CY2010 F CY2010 F CY2011 Fa coeur Rocheste D1) 0.00437 2 & TU4.003) 0.000043 0.0000043 | acility Total: acility Total: | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0222 0.0000 0.2838 0.2838 0.2838 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0000 0.0114 1.8805 2.8872 137.0958 | 2 AP1041-22 2 AP1041-22 MOPTC AP11 334 2,640 | 0.8000 4.2000 23.0700 48 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.0000000 0.00000 0.00000 0.00000000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Refinery Furnace emissions factor derived from 2011 M29 stack test. Retort emissions factor derived from 2011 M29 stack test. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 32,200.00 lbs/yr. |
| Source: An System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg | tler Peak Gold, Ind scription: Carbon S scription: Mercury scription: Assay La cription: Assay La cription: Refinery 55.37 scription: Mercury 89.76 scription: Assay La | c. (formerly Metal Stripping & Reger tpy Retorts (TU4.004 tpy aboratory & Dore g Corporation - C Furnace (TU4.002 tpy Retorts (TU4.002 tpy aboratory | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.0 4 & TU4.005) Furnace CY2006 F CY2007 F CY2008 F CY2009 F CY2010 F CY2010 F CY2010 F CY2010 F CY2011 Fa coeur Rocheste D1) 0.00437 2 & TU4.003) 0.0000043 | acility Total: acility Total: | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0222 0.0000 0.2838 0.2838 0.2838 0.222 0.0214 1.4605 1.37.0958 9.9144 | O AP1041-22 | 0.8000 4.2000 23.0700 48 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.0000000 0.00000 0.00000 0.00000000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2007 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Refinery Furnace emissions factor derived from 2011 M29 stack test. Retort emissions factor derived from 2011 M29 stack test. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 32,200.00 lbs/yr. |
| Source: An System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg | tler Peak Gold, Ind scription: Carbon S scription: Mercury scription: Assay La cription: Assay La cription: Refinery 55.37 scription: Mercury 89.76 scription: Assay La | c. (formerly Metal Stripping & Reger Retorts (TU4.004 tpy aboratory & Dore g Corporation - C Furnace (TU4.002 tpy Retorts (TU4.002 tpy aboratory | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.(4 & TU4.005) Furnace CY2006 F CY2007 F CY2008 F CY2010 F CY2010 F CY2010 F CY2010 F CY2011 Fa coeur Rocheste D1) 0.00437 2 & TU4.003) 0.0000433 | acility Total: acility Total: | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0222 0.0000 0.2838 0.2838 0.2838 0.2838 0.2838 0.2838 0.222 DP AP1044-0063.02; 1 1.4605 2.8872 137.0958 9.9144 4.4097 | AP1041-22 | 0.8000 4.2000 23.0700 48 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.0000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2007 Co-product: 0.00 lbs/yr. CY2008 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. CY2006 Co-product: 32,200.00 lbs/yr. |
| Source: An System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg | tler Peak Gold, Ind scription: Carbon S scription: Mercury scription: Assay La cription: Assay La cription: Refinery 55.37 scription: Refinery 89.76 scription: Assay La | c. (formerly Metal Stripping & Reger Petorts (TU4.004 tpy aboratory & Dore g Corporation - C Furnace (TU4.00 tpy Retorts (TU4.002 tpy aboratory | CY2010 F CY2011 Fa lic Ventures, In neration (TU4.(4 & TU4.005) Furnace CY2006 F CY2007 F CY2009 F CY2010 F CY2010 F CY2010 F CY2010 F CY2011 Fa coeur Rocheste D1 0.00437 2 & TU4.003) 0.000043 CY2006 F CY2006 F CY2007 F CY2007 F CY2008 F CY2009 F CY2009 F CY2009 F | acility Total: acility Total: | 4.5299 4.5219 4.5242 AP1041-1202; MOPT(3) 0.0000 0.0000 0.0222 0.0000 0.2838 0.2838 0.2838 0.222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0222 0.0114 1.4605 2.8872 137.0958 9.9144 4.4097 2.6426 | AP1041-22 | 0.8000 4.2000 23.0700 48 0.00000 0.00000 0.00000 0.00000000 | CY2009 Co-product: 1,600 lbs/yr. CY2010 Co-product: 8,400 lbs/yr. CY2011 Co-product: 46,147.00 lbs/yr. System (Carbon Kiln; P/B Tanks) did not operate in 2011, not constructed. System did not operate in 2011, not constructed. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 0.00 lbs/yr. CY2007 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2009 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Refinery Furnace emissions factor derived from 2011 M29 stack test. Retort emissions factor derived from 2011 M29 stack test. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 32,200.00 lbs/yr. CY2007 Co-product: 31,200.00 lbs/yr. CY2007 Co-product: 31,200.00 lbs/yr. CY2009 Co-product: 31,200.00 lbs/yr. |

| Source: Nev | wmont Mining Co | rporation - Lone 7 | Free Mine: AC | OP AP1041- | 0059; MOPTC AP104 | 1-2251 | | |
|--------------------|----------------------|--------------------|-----------------------|-----------------|--------------------------|---------------|-----------------|---|
| System Dese | cription: Electro- | winning Cells (Ea | st Stack) | | · | | | |
| Ha | 0.00 | gals/vr | Ó | lbs/hr | 0.0000 | 0 | 0.0000 | EW Cells were decommissioned throughout 2011. Lone Tree remains in |
| ÿ | | j, | | | | | | temporary closure, but is securing permits to recommence operations |
| System Des | cription: Electro-v | winning Cells (We | est Stack) | | | | | 5 |
| Ha | | nals/vr | 0 | lbs/hr | 0.000 | 0 | 0.0000 | EW Cells were decommissioned throughout 2011. Lone Tree remains in |
| rig | 0.00 | guio/yi | 0 | 103/11 | 0.0000 | 0 | 0.0000 | temporary closure, but is securing permits to recommence operations |
| System Doc | cription: Electro | winning Colls (So | avongor Stack | -) | | | | temporary closure, but is securing permits to recommence operations. |
| | | | |) lbo/br | 0.0000 | 0 | 0.0000 | EW Colls were decommissioned throughout 2011. Long Tree remains in |
| пу | 0.00 | yais/yi | 0 | IDS/III | 0.0000 | 0 | 0.0000 | temperery electric hut is acquiring normite to recommence energians |
| Custom Dee | aniations. Duo ano a | t and Dawan Cal | ution Toulio | | | | | Temporary closure, but is securing permits to recommence operations. |
| System Desc | cription: Pregnar | it and Barren Sol | ution Tanks | He e /le a | 0.0000 | 0 | 0.0000 | D/D Tarely wave decomprise in addition when the 0011. Lane Tree remains in |
| Нg | 0.00 | tpy - carbon | 0 | IDS/nr | 0.0000 | 0 | 0.0000 | P/B Tanks were decommissioned throughout 2011. Lone Tree remains in |
| | | | | | | | | temporary closure, but is securing permits to recommence operations. |
| System Dese | cription: Sample | Room, Fire Assa | y Room, Wet I | Laboratory, LE | ECO 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 | | 0.0000 | CY2008 Co-product: 0.00 lbs/yr. |
| | | | CY2009 | Facility Total: | 7.2136 | | 0.0000 | CY2009 Co-product: 0.00 lbs/yr. |
| | | | CY2010 | Facility Total: | 3.0212 | | 0.0000 | CY2010 Co-product: 0.00 lbs/yr. |
| | | | CY2011 Fa | acility Total: | 1.8788 | | 0.0000 | CY2011 Co-product: 0.00 lbs/yr. |
| Source: Bar | rick Cortez, Inc | Cortez Hills and | Pipeline Proje | cts: AQOP A | P1041-2141; MOPTC | AP1041-22 | 220 | |
| System Dese | cription: Refinerv | Induction Furnad | ce #1 (S2.002/ | TU4.003) | | | | |
| На | 45.80 | tov | 0.000127 | lbs/hr | 0.0512 | 403 | 0.0000 | Refinery Furnace emissions factor derived from 2011 M29 stack test. |
| System Des | cription: Refinery | Induction Furnad | ce #2 (S2.003/ | TU4.004) | | | | |
| Ha | 2 10 | tov | 0.000174 | lbs/hr | 0.0071 | 41 | 0.000 | Befinery Eurnace emissions factor derived from 2011 M29 stack test |
| System Des | cription: Electric | Carbon Reactivat | tion Kiln #1 (S2 | 2 007/TU4 00 | 5) | | 0.0000 | |
| Ha | 478.20 | tov | 0.0000799 | lbs/hr | 0.0784 | 982 | 0.0000 | Carbon Kiln #1 emissions factor derived from 2011 M29 stack test |
| System Des | cription: Electric | Carbon Reactivat | tion Kiln #2 (S2 | 2 008/TI 14 00 | 6) | UUE | 0.0000 | |
| Cystem Dest | | | | 2.000/104.00 | 0) | | - | Carbon Kiln #2 emissions factor derived from 2010 M29 stack test |
| На | 34.60 | tov | 0 00000457 | lbc/br | 0.0004 | 79 | 0.0000 | Major component failure forced repairs delaying 2011 testing |
| Fig | orintion: East Els | ipy | 0.00000437 | 4 001) | 0.0004 | 70 | 0.0000 | Iviajor component failure forced repairs delaying 2011 testing. |
| System Desi | 00 040 050 00 | | S (IA1.090/104 | 4.001) | 0 7017 | 0.700 | 0.0000 | EW Calls amissions factor derived from 2011 M20 stack test |
| ⊓y Sustam Daa | 23,243,650.00 | yais/yi | 0.0000801 | | 0.7017 | 0,700 | 0.0000 | |
| System Desi | | ectro-winning Cei | IIS (IAT.097/10 | 14.002) | 1.0044 | 0.700 | 0.0000 | EW/ Calls aminging factor derived from 0011 M00 stack test |
| Hg | 23,484,096.00 | gais/yr | 0.00019 | IDS/III | 1.6644 | 8,760 | 0.0000 | EW Cells emissions factor derived from 2011 M29 stack test. |
| System Dese | cription: Mercury | Retorts (104.01) | 0 & 104.011) | | | | 1 | |
| | | | | | | | | Retort emissions factor derived from 2011 M29 stack test with both retorts |
| Hg | 5.40 | tpy/ea. | 0.00183 | lbs/hr | 0.8253 | 451 | 0.7200 | operating. Retort #1 operated 440 hrs. & Retort #2 operated 461 hrs. |
| System Dese | cription: Pregnar | t and Barren Stri | p Solution Tan | iks (1U4.008 | & 104.009) | P | | |
| Hg | 47,351,605.00 | gals/yr | | lbs/hr | 0.0000 | | 0.0000 | Preg./Barren Tanks emissions factor derived from 2011 M29 stack test. |
| System Dese | cription: Assay L | aboratory (Analyt | ical Lab Buildir | ng), Met Labo | ratory, Strip Circuit Ar | ea (Mill Buil | ding), Refinery | Gold Sludge Drying Oven, Fire Assay Fusion Furnaces |
| Hg | | | | | 1.8530 | | 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 | | 0.3200 | CY2007 Co-product: 640 lbs/yr. |
| | | | CY2008 | Facility Total: | 75.8638 | | 0.0000 | CY2008 Co-product: 0.00 lbs/yr. |
| | | | CY2009 I | Facility Total: | 1.3905 | | 0.0170 | CY2009 Co-product: 34 lbs/yr. |
| | | | CY2010 | Facility Total: | 5.1862 | | 0.0000 | CY2010 Co-product: 0.00 lbs/yr. |
| | | | CY2011 Fa | acility Total: | 5.1815 | | 0.7200 | CY2011 Co-product: 1,441.00 lbs/yr. |
| Source: Flo | rida Canvon Minii | na, Inc Florida (| Canvon Mine | AQOP AP10 | 41-0106.02 MOPTC / | P1041-225 | 56 | |
| System Des | cription: Mercurt | Retort (System 6 | - S2.003/TU4 | .004) | | | | |
| Ha | 9 47 | tnv | 0.00000245 | lbs/hr | 0.0023 | 954 | 1 2700 | Betort emissions factor derived from 2011 M29 stack test |
| System Des | cription: Mercurt | Retort (System 6 | - S2 004/TLM | 005) | 0.0020 | -00- | 1.2700 | |
| | | tou | 0.00000222 | lbe/br | 0.0002 | 104 | 0.0000 | Retort emissions factor derived from 2011 M29 stack toot |
| Svetom Deer | ription: Electro | | 0.00000232 | 109/11 | 0.0002 | 104 | 0.0000 | |
| System Dest | | | | lbc/br | 0.2675 | 0 500 | 0.0000 | Electro winning Collo omissions factor derived from 2011 M20 start test |
| Fig Sustan Dura | 1 13.17 | Lipy | 0.0000431 | ibs/nr | 0.30/5 | 0,020 | 0.0000 | Letectro-winning Gelis emissions factor derived from 2011 M29 stack test. |
| System Des | | | 04.003) | lbe/br | 0.0070 | 0.500 | 0.0000 | Electro winning Callo emissions factor derived from 0011 M00 starts base |
| Hg | <u> 15.1/</u> | L tpy | 0.0000396 | | 0.3376 | 8,526 | 0.0000 | Lectro-winning Cells emissions factor derived from 2011 M29 stack test. |
| System Dese | cription: Carbon | Regeneration Kilr | n (System 9 - S | 52.007/104.0 | (8) | | | |
| Hg | 6.91 | tpy | 0.00899 | Ibs/hr | 48.0066 | 5,340 | 0.0000 | Carbon Kiin emissions factor derived from 2011 M29 stack test. |
| System Dese | cription: Dore Fu | rnace (System 7 | - S2.005/TU4. | 001) | 0.0577 | 0 | | |
| Hg | 8.71 | tpy | 0.0000178 | lbs/hr | 0.0057 | 320 | 0.0000 | Dore Furnace emissions factor derived from 2011 M29 stack test. |

| Source: Flo | orida Canyon Minin | ng, Inc Florida C | Canyon Mine: | AQOP AP10 | 41-0106.02; MOPTC | AP1041-2256 | 6 (continued) | | | |
|--|---|---|--|--|--|---|--|---|--|--|
| System Des | scription: Pregnant | t Tank (TU4.006) | l. | | | | | | | |
| Hg | | hrs/yr | | lbs/hr | 0.0000 | | 0.0000 | No emissions factor available - closed circuit. | | |
| System Des | cription: Barren T | ank (TU4.007) | • | | • | | | | | |
| На | Τ. Ι | hrs/vr | | lbs/hr | 0.0000 | | 0.0000 | No emissions factor available - closed circuit. | | |
| System Des | scription: Assav La | aboratory | | | | | | | | |
| Ha | | | | | 3,0090 | Г I | 0.0000 | Potential to emit (PTE) not actual - see De Minimis Designation Tech Bey | | |
| 1.19 | I | l | CY2006 | Eacility Total: | 440 7382 | | 0.2264 | CY2006 Co-product: 452.80 lbs/vr | | |
| | | | CV2007 | Facility Total: | 10,000 | • • | 0.0072 | CV2007 Co product: 14.40 lbs/vr | | |
| | | | CV2008 | Facility Total. | 160.0117 | + F | 0.0072 | CV2009 Co-product: T4.40 Ibs/yr. | | |
| | | | C12008 | Facility Total. | 102.3117 | 4 | 0.2675 | CY2008 C0-product: 575 IDS/yr. | | |
| | | | C 12009 | Facility Total: | 49.6118 | 4 4 | 0.8120 | CY2009 Co-product: 1,624 lbs/yr. | | |
| | | | CY2009 | Facility I otal: | 111.8133 | 4 4 | 0.3090 | CY2010 Co-product: 618 lbs/yr. | | |
| | | | CY2011 F | acility lotal: | 51.7290 | | 1.2700 | CY2011 Co-product: 2,538.00 lbs/yr. (1,829.00 liquid; 709.00 sludge) | | |
| Source: Ro | iource: Round Mountain Gold Corporation - Smoky Valley Common Operation: AQOP AP1041-0444.01; MOPTC AP1041-2250 | | | | | | | | | |
| System Des | scription: Carbon F | Regeneration Kiln | i (S2.121/TU4 | .001) | | | | | | |
| Hg | 2,928.00 | tpy | 0.000225 | lbs/hr | 1.9710 | 8,760 | 0.0000 | Carbon Kiln emissions factor derived from 2011 M29 stack test. | | |
| System Des | scription: Pregnant | t Strip Solution Ta | ank (Shares a | common sta | ck with S2.121/TU4.00 |)2) | | The Pregnant Strip Solution Tank and both Barren Strip Solution Tanks are | | |
| Hq | 40.00 | gals/min | | lbs/hr | 0.0000 | | 0.0000 | vented to a common stack with the Carbon Kiln. Therefore, the emissions | | |
| System Des | scription: Barren S | trip Solution Tan | k #1 (Shares a | a common sta | ack with S2.121/TU4.0 | 03) | | factor is for all four units running simultaneously and emissions are | | |
| Ηα | 40.00 | gals/min | , | lbs/hr | 0.0000 | | 0.0000 | calculated using the highest hours of operations value of the four units. The | | |
| System Des | cription: Barren S | Strip Solution Tan | k #2 (Shares a | a common sta | ack with S2 121/TU4 0 | 04) | | Carbon Kiln actually operated 8 688 hours for the year with the remaining | | |
| Ha | 40.00 | aals/min | | lbs/hr | 0.0000 | | 0.0000 | units operating 8 760 each | | |
| System Des | cription: Electric li | nduction Furnace | (S2 130/TLM | 005) | 0.0000 | | 0.0000 | | | |
| | | tov | 0 0026 | lbo/br | 1 5094 | 444 | 0.0000 | Induction European emissions factor derived from 2011 M20 stock test | | |
| ⊓y Sustam Dag | 30.00 | Lpy Flaatra winning \ | 0.0030 | | 1.0904 | 444 | 0.0000 | | | |
| System Des | scription. Relinery | Electro-winning | vent & Ovens | , Assay Labor | ratory Ovens. | <u>г г</u> | 0.0000 | Detection and (DTE) and extend on a De Minimir Device of a Table Device | | |
| Нg | | | 0)(0000 | | 3.0680 | | 0.0000 | Potential to emit (PIE), not actual - see De Minimis Designation Tech. Rev. | | |
| | | | CY2006 | Facility Total: | 57.0585 | 4 4 | 0.0085 | CY2006 Co-product: 17 lbs/yr. | | |
| | | | CY2007 | Facility I otal: | 59.6652 | 4 | 0.0000 | CY2007 Co-product: 0.00 lbs/yr. | | |
| | | | CY2008 | Facility Total: | 8.3173 | 1 | 0.0000 | CY2008 Co-product: 0.00 lbs/yr. | | |
| | | | CY2009 | Facility Total: | 4.5878 |] [| 0.0000 | CY2009 Co-product: 0.00 lbs/yr. | | |
| | | | CY2010 | Facility Total | 1 1525 | | 0 0000 | CV2010 Co product: 0.00 lbc/vr | | |
| | | | OTEOTO | acinty rotal. | 4.4323 | 1 1 | 0.0000 | C 12010 CO-product. 0.00 lbs/yr. | | |
| | | | CY2011 F | acility Total: | 6.6374 | | 0.0000 | CY2011 Co-product: 0.00 lbs/yr. | | |
| Source: Ho | mestake Mining Co | ompany of Califo | CY2011 Fa | acility Total: Il Mine: AQO | 6.6374 0P AP1041-0713.01; N | IOPTC AP10 | 0.0000 0.0000 41-2252 | CY2011 Co-product: 0.00 lbs/yr. | | |
| Source: Ho System Des | mestake Mining Co cription: Electric C | ompany of Califo Carbon Regenera | CY2011 Fa rnia - Ruby Hi ation Kiln (S2.0 | acility Total: Il Mine: AQO 019/TU4.001) | 6.6374 PP AP1041-0713.01; N | IOPTC AP10 | 0.0000 0.0000 41-2252 | CY2011 Co-product: 0.00 lbs/yr. | | |
| Source: Ho System Des Ha | mestake Mining Co cription: Electric C | ompany of Califo Carbon Regenera | CY2011 Fa rnia - Ruby Hi ation Kiln (S2.0 | acility Total: Il Mine: AQO 019/TU4.001) | 6.6374 PP AP1041-0713.01; N | IOPTC AP10 | 0.0000 0.0000 41-2252 0.0000 | CY2011 Co-product: 0.00 lbs/yr. | | |
| Source: Ho System Des Hg System Des | mestake Mining Co cription: Electric C 0.00 | ompany of Califo Carbon Regenera tpy Mercury Betort (S | CY2011 Fa rnia - Ruby Hi ation Kiln (S2.0 0 CY2011 Fa Noise 10 CY2011 Fa CY2011 F | acility Total: Il Mine: AQC 019/TU4.001) Ibs/hr | 6.6374 P AP1041-0713.01; N 0.0000 | IOPTC AP10 | 0.0000 41-2252 0.0000 | CY2011 Co-product: 0.00 lbs/yr. | | |
| Source: Ho System Des Hg System Des | omestake Mining Co cription: Electric C 0.00 cription: Electric N | ompany of Califo Carbon Regenera tpy Mercury Retort (S | CY2011 Fa rnia - Ruby Hi tition Kiln (S2.0 0 52.022/TU4.00 | acility Total: Il Mine: AQC 019/TU4.001) Ibs/hr 3) | 6.6374 P AP1041-0713.01; N 0.0000 | 0 | 0.0000 41-2252 0.0000 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Betort emissions factor derived from 2010 M29 stack test | | |
| Source: Ho System Des Hg System Des | omestake Mining Co cription: Electric C 0.00 cription: Electric N | ompany of Califo Carbon Regenera tpy Mercury Retort (S | CY2011 F3 rnia - Ruby Hi tition Kiln (S2.0 0 52.022/TU4.00 | acility Total: Il Mine: AQC 019/TU4.001) Ibs/hr 03) | 6.6374 P AP1041-0713.01; N 0.0000 | 10PTC AP10 | 0.0000 41-2252 0.0000 | CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Betort was decommissioned 04/25/11 | | |
| Source: Ho System Des Hg System Des Hg | omestake Mining Co scription: Electric C 0.00 scription: Electric N 0.83 | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Colinery Induction | CY2011 Fi rnia - Ruby Hi ttion Kiln (S2.0 0 2.022/TU4.00 0.000129 Euraceo (S2 | acility Total: acility Total: Il Mine: AQC 019/TU4.001) Ibs/hr Ibs/hr | 6.6374 P AP1041-0713.01; N 0.0000 0.0253 | 0 0 197 | 0.0000 0.0000 41-2252 0.0000 0.0495 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. | | |
| Source: Ho System Des Hg System Des Hg System Des | omestake Mining Co scription: Electric C 0.00 scription: Electric N 0.83 scription: Electric F | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Inductior | CY2011 F: CY2011 F: tion Kiln (S2.0 0 2.022/TU4.00 0.000129 n Furnace (S2 | acility Total: acility Total: 19/TU4.001) 19/TU4.001) 19/TU4.001 19/TU4.002 | 6.6374 P AP1041-0713.01; N 0.0000 0.0253 | 0 0 197 | 0.0000 41-2252 0.0000 0.0495 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. | | |
| Source: Ho System Des Hg System Des Hg System Des | omestake Mining Co scription: Electric C 0.00 scription: Electric N 0.83 scription: Electric F | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction | CY2011 F: CY2011 F: tition Kiln (S2.0 0 2.022/TU4.00 0.000129 Furnace (S2 | acility Total: acility Total: 11 Mine: AQC 019/TU4.001) lbs/hr 03) lbs/hr .013/TU4.002 | 6.6374 P AP1041-0713.01; N 0.0000 0.0253 | 10PTC AP10 0 197 | 0.0000 0.0000 41-2252 0.0000 0.0495 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg | omestake Mining C scription: Electric C 0.00 scription: Electric N 0.83 scription: Electric F 0.72 | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction tpy | CY2011 F CY2011 F rnia - Ruby Hi tition Kiln (S2.(0 2.022/TU4.00 0.000129 1 Furnace (S2 0.000163 | acility Total: acility Total: 11 Mine: AQC 19/TU4.001) lbs/hr .013/TU4.002 lbs/hr | 6.6374 P AP1041-0713.01; N 0.0000 0.0253 0.0025 | 10PTC AP10 0 197 | 0.0000 0.0000 41-2252 0.0000 0.0495 0.0000 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des | omestake Mining C. scription: Electric C 0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Inductior tpy vinning Cells 1 & | CY2011 Fi rnia - Ruby Hi ition Kiln (S2.(0 2.022/TU4.00 0.000129 n Furnace (S2 0.000163 2 (IA1.005/TU | acility Total: acility Total: 11 Mine: AQC 019/TU4.001) lbs/hr 33 lbs/hr .013/TU4.002 lbs/hr 14.004) and P | 6.6374 P AP1041-0713.01; N 0.0000 0.0253 0.0025 regnant and Barren S | IOPTC AP10 0 197 197 16 trip Solution | 0.0000 0.0000 41-2252 0.0000 0.0495 0.0000 Tanks (TU4.00 | CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. Furnace was decommissioned 04/25/11. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des | omestake Mining C scription: Electric C 0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Inductior tpy vinning Cells 1 & | CY2011 F. CY2011 F. tition Kiln (S2.(0 2.022/TU4.00 0.000129 n Furnace (S2 0.000163 2 (IA1.005/TL | acility Total: acility Total: 11 Mine: AQC 019/TU4.001) lbs/hr 3) lbs/hr .013/TU4.002 lbs/hr J4.004) and P | 6.6374 P AP1041-0713.01; N 0.0000 0.0253 0.0025 regnant and Barren S | 10PTC AP10 0 197 16 trip Solution | 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 | CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. 5) Electro-winning Cells emissions factor derived from 2010 M29 stack test. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des | omestake Mining C scription: Electric C 0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Inductior tpy vinning Cells 1 & | CY2011 F. CY2011 F. rnia - Ruby Hi tition Kiln (S2.(0 0.000129 n Furnace (S2 0.000163 2 (IA1.005/TL | acility Total: acility Total: Il Mine: AQC 019/TU4.001) Ibs/hr 3) .013/TU4.002 Ibs/hr J4.004) and P | 6.6374 6.6374 P AP1041-0713.01; M 0.0000 0.0253 0.0025 regnant and Barren S | 10PTC AP10 | 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. Furnace was decommissioned 04/25/11. 5 Electro-winning Cells emissions factor derived from 2010 M29 stack test. Pregnant and Barren Strip Solution Tanks vented to a common stack with | | |
| Source: Ho System Des Hg System Des Hg System Des System Des | omestake Mining C scription: Electric C 0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Inductior tpy vinning Cells 1 & | CY2011 F. CY2011 F. rnia - Ruby Hi ation Kiln (S2.0 0.000129 D Furnace (S2 0.000163 2 (IA1.005/TL | acility Total: acility Total: al I Mine: AQC 019/TU4.001) lbs/hr 33) lbs/hr 10/13/TU4.002 lbs/hr 14.004) and P | 6.6374 P AP1041-0713.01; N 0.0000 0.0253 2) 0.0025 regnant and Barren S | 10PTC AP10 0 197 16 trip Solution | 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. 5) 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. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg | omestake Mining C scription: Electric C 0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Inductior tpy vinning Cells 1 & gals/yr | CY2011 F. CY2011 F. rnia - Ruby Hi tition Kiln (S2.0 0.000129 1 Furnace (S2 0.000163 2 (IA1.005/TL 0.00377 | acility Total: acility Total: 11 Mine: AQC 019/TU4.001) lbs/hr 33 lbs/hr 14.004) and P lbs/hr | 6.6374 P AP1041-0713.01; N 0.0000 0.0253 Pregnant and Barren S 9.7304 | 10PTC AP10 0 197 16 trip Solution ⁻ 2,581 | 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. 50 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. All thermal units/systems were decommissioned 04/25/11. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg System Des | omestake Mining C scription: Electric (0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported cription: Assay La | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction tpy vinning Cells 1 & gals/yr aboratory | CY2011 F. CY2011 F. rnia - Ruby Hi ittion Kiln (S2.(0 0.000129 1 Furnace (S2 0.000163 2 (IA1.005/TL 0.00377 | acility Total: acility Total: 11 Mine: AQC 19/TU4.001) Ibs/hr 33 Ibs/hr J4.004) and P Ibs/hr | | 10PTC AP10 0 197 16 trip Solution - 2,581 | 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. 55) 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. All thermal units/systems were decommissioned 04/25/11. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg | omestake Mining C scription: Electric C 0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported scription: Assay La | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction tpy vinning Cells 1 & gals/yr aboratory | CY2011 F. CY2011 F. rnia - Ruby Hi ittion Kiln (S2.0 0.000129 1 Furnace (S2 0.000163 2 (IA1.005/TL 0.00377 | acility Total: acility Total: Il Mine: AQC 19/TU4.001) Ibs/hr 33) 013/TU4.002 Ibs/hr J4.004) and P Ibs/hr | | 10PTC AP10 0 197 16 trip Solution ⁻ 2,581 | 0.0000 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 0.0000 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. 50 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg | omestake Mining C scription: Electric C 0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported scription: Assay La | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction tpy vinning Cells 1 & gals/yr aboratory | CY2011 F. CY2011 F. rrnia - Ruby Hi tition Kiln (S2.(0 0.000129 n Furnace (S2 0.000163 2 (IA1.005/TL 0.00377 CY2006 I | acility Total: acility Total: I Mine: AQC 019/TU4.001) Ibs/hr 3) Ibs/hr .013/TU4.002 Ibs/hr J4.004) and P Ibs/hr Facility Total: | | 10PTC AP10 0 197 16 trip Solution 2,581 | 0.0000 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 0.0000 0.0000 0.0000 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. IS) 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 1,000 lbs/yr. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg | omestake Mining C scription: Electric (0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported scription: Assay La | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction tpy vinning Cells 1 & gals/yr aboratory | CY2011 F. CY2011 F. 0 2.022/TU4.00 0.000129 1.000163 2.0000163 2.000000000000000000000000000000000000 | acility Total: acility Total: acility Total: acility Total: acility Total: acility Total: bs/hr bs/hr bs/hr bs/hr bs/hr | | 10PTC AP10 0 197 16 trip Solution ⁻ 2,581 | 0.0000 0.0000 41-2252 0.0000 0.0495 0.0000 Canks (TU4.00 0.0000 0.0000 0.0000 0.3800 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. IS 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 1,000 lbs/yr. CY2007 Co-product: 760 lbs/yr. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg | omestake Mining C scription: Electric (0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported scription: Assay La | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Inductior tpy vinning Cells 1 & gals/yr aboratory | CY2011 F. CY2011 F. rnia - Ruby Hi ation Kiln (S2.0 0.000129 Furnace (S2 0.000163 2 (IA1.005/TL 0.00377 CY2006 I CY2007 CY2008 | acility Total: acility Total: al Mine: AQC 019/TU4.001) lbs/hr 33) lbs/hr J4.004) and P lbs/hr J4.004) and P lbs/hr | 6.6374 P AP1041-0713.01; N 0.0000 0.0253 0.0025 regnant and Barren S 9.7304 1.3818 28.7825 35.2201 1.3883 | 10PTC AP10 0 197 16 trip Solution ⁻ 2,581 | 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 0.0000 0.5000 0.3800 0.2400 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. 5) 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 7.00 lbs/yr. CY2007 Co-product: 760 lbs/yr. CY2008 Co-product: 480 lbs/yr. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg | omestake Mining C scription: Electric (0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported scription: Assay La | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Inductior tpy vinning Cells 1 & gals/yr aboratory | CY2011 F. CY2011 F. rnia - Ruby Hi tition Kiln (S2.0 0.000129 Furnace (S2 0.000163 2 (IA1.005/TL 0.00377 CY2006 CY2006 CY2008 CY2009 | acility Total: acility Total: II Mine: AQC 19/TU4.001) Ibs/hr 3) Ibs/hr Ibs/hr I4.004) and P Ibs/hr Facility Total: Facility Total: Facility Total: | 6.6374 P AP1041-0713.01; N 0.0000 0.0253 0.0025 regnant and Barren S 9.7304 1.3818 28.7825 35.2201 1.3883 7.2874 | 10PTC AP10 0 197 16 trip Solution ⁻ 2,581 | 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. 5) 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 1,000 lbs/yr. CY2008 Co-product: 480 lbs/yr. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg | omestake Mining C scription: Electric (0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported scription: Assay La | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction tpy vinning Cells 1 & gals/yr aboratory | CY2011 F. CY2011 F. rnia - Ruby Hi tition Kiln (S2.(0.000129 Furnace (S2 0.000163 2 (IA1.005/TL 0.00377 CY20061 CY2007 CY2007 CY2007 CY2007 CY2007 | acility Total: acility Total: al Mine: AQC 19/TU4.001) lbs/hr 3) .013/TU4.002 lbs/hr J4.004) and P lbs/hr Eacility Total: Facility Total: Facility Total: Facility Total: | 6.6374 P AP1041-0713.01; N 0.0000 0.0253 0.0025 regnant and Barren S 9.7304 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158 | 10PTC AP10 0 197 16 trip Solution 2,581 | 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762 0.0000 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. 55) 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 1,000 lbs/yr. CY2007 Co-product: 760 lbs/yr. CY2009 Co-product: 352.40 lbs/yr. CY2009 Co-product: 352.40 lbs/yr. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg | omestake Mining C scription: Electric (0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported scription: Assay La | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction tpy vinning Cells 1 & gals/yr aboratory | CY2011 F. CY2011 F. rnia - Ruby Hi ttion Kiln (S2.(0 0.000129 1 Furnace (S2 0.000163 2 (IA1.005/TL 0.00377 CY2006 CY2007 CY2008 CY2001 CY2011 F. | acility Total: acility Total: I Mine: AQC 19/TU4.001) Ibs/hr Ibs/hr 3) Ibs/hr .013/TU4.002 Ibs/hr J4.004) and P Ibs/hr Facility Total: Facility To | 4.4323 6.6374 P AP1041-0713.01; M 0.0000 0.0253 0.0025 Pregnant and Barren S 9.7304 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158 11.401 | 197 197 16 175 Solution - 2,581 | 0.0000 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 0.0000 0.5000 0.3800 0.2400 0.1762 0.0000 0.0495 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. IS) 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 1,000 lbs/yr. CY2008 Co-product: 480 lbs/yr. CY2010 Co-product: 352.40 lbs/yr. CY2011 Co-product: 9.00 lbs/yr. CY2011 Co-product: 9.00 lbs/yr. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg | omestake Mining C scription: Electric (0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported scription: Assay La | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction tpy vinning Cells 1 & gals/yr aboratory | CY2011 F. CY2011 F. rnia - Ruby Hi tition Kiln (S2.(0 0.000129 Furnace (S2 0.000163 2 (IA1.005/TL 0.00377 CY2006 I CY2007 CY2008 CY2009 I CY2010 I CY2011 F. | acility Total: acility Total: I Mine: AQC D19/TU4.001) Ibs/hr Ibs/hr .013/TU4.002 Ibs/hr J4.004) and P Ibs/hr Facility Total: Facility Total: Facil | 6.6374 6.6374 P AP1041-0713.01; M 0.0000 0.0253 0.0025 regnant and Barren S 9.7304 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158 11.1401 00: MORE C AP1041 | 10PTC AP10 0 197 16 trip Solution 2,581 | 0.0000 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 0.0000 0.0000 0.3800 0.2400 0.1762 0.0000 0.1762 0.0000 0.0495 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. IS 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 1,000 lbs/yr. CY2008 Co-product: 352.40 lbs/yr. CY2010 Co-product: 352.40 lbs/yr. CY2011 Co-product: 99.00 lbs/yr. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg | pringold Mining Comparison Compa | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction tpy vinning Cells 1 & gals/yr aboratory | CY2011 F. CY2011 F. cy2011 F. CY2011 F. 0.000129 0.000129 0.000129 0.000163 2 (IA1.005/TL 0.00377 CY2006 I CY2007 CY2008 CY2009 CY2010 I CY2011 F. (CY2011 F. (CY2011 F. | acility Total: acility Total: I Mine: AQC D19/TU4.001) Ibs/hr Ibs/hr 0.013/TU4.002 Ibs/hr J4.004) and P Ibs/hr Facility Total: Facility Total: Faci | 6.6374 6.6374 P AP1041-0713.01; M 0.0000 0.0253 2) 0.0025 regnant and Barren S 9.7304 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158 11.1401 8.02; MOPTC AP1041 | 10PTC AP10 0 197 16 trip Solution 2,581 2254 | 0.0000 0.0000 41-2252 0.0000 0.0495 0.0000 Canks (TU4.00 0.0000 0.0000 0.0000 0.3800 0.2400 0.2400 0.1762 0.0000 0.0495 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. /5) 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 1,000 lbs/yr. CY2008 Co-product: 400 lbs/yr. CY2009 Co-product: 352.40 lbs/yr. CY2010 Co-product: 99.00 lbs/yr. CY2011 Co-product: 99.00 lbs/yr. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg | rigold Mining Com ription: Electric (0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported scription: Assay La rigold Mining Com scription: Carbon F | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Inductior tpy vinning Cells 1 & gals/yr aboratory aboratory | CY2011 F. CY2011 F. rnia - Ruby Hi ttion Kiln (S2.0 0.000129 Furnace (S2 0.000163 2 (IA1.005/TL 0.00377 CY2006 CY2007 CY2007 CY2008 CY2009 CY2010 CY2011 F. Mine: AQOP (S2.013A/TU (S2.013A/TU | acility Total: acility Total: I Mine: AQC D19/TU4.001) Ibs/hr Ibs/hr .013/TU4.002 Ibs/hr I4.004) and P Ibs/hr I4.004) and P Facility Total: Facility Total: Facilit | 6.6374 P AP1041-0713.01; N 0.0000 0.0253 0.0025 regnant and Barren S 9.7304 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158 11.1401 8.02; MOPTC AP1041 | 10PTC AP10 0 197 16 rip Solution 2,581 2254 | 0.0000 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 0.0000 0.0000 0.0000 0.3800 0.2400 0.1762 0.0000 0.0495 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. 5) 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 1,000 lbs/yr. CY2008 Co-product: 352.40 lbs/yr. CY2010 Co-product: 352.40 lbs/yr. CY2011 Co-product: 99.00 lbs/yr. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg | mestake Mining C scription: Electric (0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported scription: Assay La cription: Assay La | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction tpy vinning Cells 1 & gals/yr aboratory aboratory | CY2011 F. CY2011 F. rnia - Ruby Hi tition Kiln (S2.0 0.000129 Furnace (S2 0.000163 2 (IA1.005/TL 0.00377 CY2006 CY2007 CY2008 CY2009 CY2010 CY2011 F. Mine: AQOP A (S2.013A/TL 0.0000377 | acility Total: acility Total: I Mine: AQC 19/TU4.001) Ibs/hr 3) Ibs/hr .013/TU4.002 Ibs/hr I4.004) and P Ibs/hr Facility Total: Facility Total: Facility Total: Facility Total: Facility Total: Facility Total: AP1041-0158 I4.001) Ibs/hr | 6.6374 P AP1041-0713.01; N 0.0000 0.0253 0.0025 regnant and Barren S 9.7304 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158 11.1401 0.0078 | 10PTC AP10 0 197 16 rip Solution 2,581 2254 2,080 | 0.0000 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 0.0000 0.2400 0.2400 0.2400 0.1762 0.0000 0.0495 0.0000 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. 5) 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 1,000 lbs/yr. CY2009 Co-product: 480 lbs/yr. CY2009 Co-product: 352.40 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 99.00 lbs/yr. CY2011 Co-product: 99.00 lbs/yr. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg System Des Hg | prigold Mining Comparison Compar | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction tpy vinning Cells 1 & gals/yr aboratory aboratory aboratory Regeneration Kiln tpy Retort (S2.014/T | CY2011 F, CY2011 F, rnia - Ruby Hi tition Kiln (S2.(0 0.000129 1 Furnace (S2 0.000163 2 (IA1.005/TL 0.00377 CY2006 CY2007 CY2008 CY2009 CY2009 CY2011 F, Mine: AQOP 0.0000377 U4.002) | acility Total: acility Total: I Mine: AQC 19/TU4.001) Ibs/hr 3) Ibs/hr .013/TU4.002 Ibs/hr J4.004) and P Ibs/hr Facility Total: Facility Total: Fa | 6.6374 6.6374 P AP1041-0713.01; M 0.0000 0.0253 0.0025 Pregnant and Barren S 9.7304 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158 11.1401 8.02; MOPTC AP1041: | 197 197 16 trip Solution - 2,581 2,581 2,581 | 0.0000 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 0.0000 0.3800 0.2400 0.3800 0.2400 0.1762 0.0000 0.0495 0.0000 0.0495 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. 5) 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 1,000 lbs/yr. CY2008 Co-product: 352.40 lbs/yr. CY2010 Co-product: 0.00 lbs/yr. CY2011 Co-product: 99.00 lbs/yr. CY2011 Co-product: 99.00 lbs/yr. CY2011 Co-product: 99.00 lbs/yr. Carbon Kiln emissions factor derived from 2011 M29 stack test. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg Source: Ma System Des Hg System Des Hg | vmestake Mining C scription: Electric (0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported scription: Assay La scription: Assay La scription: Carbon F 540.70 cription: Mercury 9.80 | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction tpy vinning Cells 1 & gals/yr aboratory aboratory aboratory Regeneration Kiln tpy Retort (S2.014/T tpy | CY2011 F. CY2011 F. 0 2.022/TU4.00 0.000129 1 Furnace (S2 0.000163 2 (IA1.005/TL 0.00377 CY2006 CY2007 CY2008 CY2009 CY2010 CY2010 CY2011 F. Mine: AQOP 0.00000377 U4.002 0.0011 | acility Total: acility Total: I Mine: AQC 19/TU4.001) Ibs/hr 3) Ibs/hr .013/TU4.002 Ibs/hr J4.004) and P Ibs/hr Facility Total: Facility Total: Facility Total: Facility Total: Facility Total: Facility Total: AP1041-0158 AP1041-0158 Ibs/hr | 6.6374 P AP1041-0713.01; M 0.0000 0.0253 0.0025 Pregnant and Barren S 9.7304 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158 11.1401 8.02; MOPTC AP1041 0.0078 1.3507 | 10PTC AP10 0 197 16 trip Solution 2,581 2,581 2254 2,080 1,228 | 0.0000 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 0.0000 0.3800 0.2400 0.3800 0.2400 0.1762 0.0000 0.3800 0.2400 0.1762 0.0000 0.3800 0.2400 0.1762 0.0000 0.0495 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. Formace was decommissions 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 1,000 lbs/yr. CY2008 Co-product: 352.40 lbs/yr. CY2010 Co-product: 352.40 lbs/yr. CY2011 Co-product: 99.00 lbs/yr. CY2011 Co-product: 99.00 lbs/yr. Carbon Kiln emissions factor derived from 2011 M29 stack test. Retort emissions factor derived from 2011 M29 stack test. | | |
| Source: Ho System Des Hg System Des Hg System Des Hg System Des Hg Source: Ma System Des Hg System Des Hg System Des Hg | prestake Mining C scription: Electric (0.00 scription: Electric N 0.83 scription: Electric F 0.72 scription: Electro-w Not Reported scription: Assay La cription: Carbon F 540.70 scription: Mercury cription: Mercury 9.80 cription: Tilting Cri | ompany of Califo Carbon Regenera tpy Mercury Retort (S tpy Refinery Induction tpy vinning Cells 1 & gals/yr aboratory aboratory aboratory Regeneration Kiln tpy Retort (S2.014/T tpy rucible Furnace (S | CY2011 F CY2011 F rnia - Ruby Hi tition Kiln (S2.(0 2.022/TU4.00 0.000129 Furnace (S2 0.000163 2 (IA1.005/TU 0.00377 CY2008 CY2009 CY2010 CY2011 F Mine: AQOP 0 (S2.013A/TU 0.0000377 U4.002) 0.0011 S2.015/TU4.0 | acility Total: acility Total: I Mine: AQC D19/TU4.001) Ibs/hr Ibs/hr .013/TU4.002 Ibs/hr J4.004) and P Ibs/hr Facility Total: Facility Total: Facility Total: Facility Total: Facility Total: Facility Total: Facility Total: Bacility Total: Facility Total: Bacility Total: Bacility Total: Comparison of the second | 6.6374 6.6374 P AP1041-0713.01; M 0.0000 0.0253 0.0025 regnant and Barren S 9.7304 1.3818 28.7825 35.2201 1.3883 7.2874 34.4158 11.1401 0.02; MOPTC AP1041 0.0078 1.3507 | IOPTC AP10 0 197 16 trip Solution 2,581 2,581 2,080 1,228 | 0.0000 0.0000 41-2252 0.0000 0.0495 0.0000 Fanks (TU4.00 0.0000 0.0000 0.3800 0.2400 0.2400 0.2400 0.1762 0.0000 0.2400 0.1762 0.0000 0.0495 | CY2011 Co-product: 0.00 lbs/yr. CY2011 Co-product: 0.00 lbs/yr. Carbon Kiln did not operate in 2011. Kiln was decommissioned 04/25/11. Retort emissions factor derived from 2010 M29 stack test. Retort was decommissioned 04/25/11. Furnace emissions factor derived from 2010 M29 stack test. Furnace was decommissioned 04/25/11. 5) 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. All thermal units/systems were decommissioned 04/25/11. Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. CY2006 Co-product: 1,000 lbs/yr. CY2007 Co-product: 760 lbs/yr. CY2009 Co-product: 352.40 lbs/yr. CY2010 Co-product: 99.00 lbs/yr. CY2011 Co-product: 99.00 lbs/yr. Carbon Kiln emissions factor derived from 2011 M29 stack test. Retort emissions factor derived from 2011 M29 stack test. | | |

| Source: Marig | Jold Mining Com | pany - Marigold N | Mine: AQOP | AP1041-0158 | 3.02; MOPTC AP1041 | -2254 (contin | ued) | |
|----------------|-------------------|---------------------------------------|--|-----------------|--------------------|---------------|--------|---|
| System Descri | iption: Electro-w | inning Circuit (TI | J4.004) | | | | | |
| Hg | 44,430.00 | tpy | 0.0011 | lbs/hr | | | | Electro-winning Cells emissions factor derived from 2011 M29 stack test. |
| System Descri | iption: Pregnant | Strip Solution Tr | ank (TU4.005) |) | | | I | Pregnant and Barren Strip Solution Tanks vented to a common stack with |
| Hg | | tpy | <u> </u> | lbs/hr | | | I | Electro-winning Cells, therefore, emissions factor is for all three units. |
| System Descri | iption: Barren S | trip Solution Tanl | к (TU4.006) | | | | I | |
| Hg | | tpy | <u>[</u> | lbs/hr | 6.9612 | 6,328 | 0.0000 | |
| System Descri | ption: Assay La | boratory | | | | | | |
| Hg |] | <u>ا</u> | <u> </u> | <u> </u> | 2.0489 | | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. |
| | | I | CY2006 | Facility Total: | 908.0610 | 4 ! | 0.1675 | CY2006 Co-product: 335 lbs/yr. |
| | | I | CY2007 | Facility Total: | 5.2255 | <u> </u> | 0.2450 | CY2007 Co-product: 490 lbs/yr. |
| l | | I | CY2008 | Facility Total: | 10.4883 | 4 ! | 0.5690 | CY2008 Co-product: 1,138 lbs/yr. |
| l | | I | CY2009 | Facility Total: | 4.4540 | 4 / | 0.8160 | CY2009 Co-product: 1,632 lbs/yr. |
| | | I | CY2010 | Facility Total: | 9.3695 | 4 / | 1.0330 | CY2010 Co-product: 2,066 lbs/yr. |
| | | ! | CY2011 F | acility Total: | 11.1707 | <u> </u> | 1.0500 | CY2011 Co-product: 2,100.00 lbs/yr. |
| Source: Borea | alis Mining Comr | pany: AQOP AP | 1041-2125; M | OPTC AP104 | 41-2228 | | | |
| System Descri | iption: Deep Ber | d Carbon Scrubb | er: Carbon R | egeneration k | Kiln | | | |
| Hg | | | <u> </u> | | 0.0000 | | 0.0000 | System not yet constructed in 2011. |
| System Descri | ption: Deep Ber | d Carbon Scrubb | er: Mercury F | Retort | | | | |
| Hg | | ! | <u>[</u> | <u> </u> | 0.0000 | | 0.0000 | System not yet constructed in 2011. |
| System Descri | ption: Deep Ber | d Carbon Scrubb | er: Smelting | Furnace | | | | |
| Hg | | ! | <u>[</u> | <u> </u> | 0.0000 | | 0.0000 | System not yet constructed in 2011. |
| System Descri | ption: Deep Ber | d Carbon Scrubb | er: Solutions | Circuit | | | | |
| Hg | | ! | <u>[</u> | <u> </u> | 0.0000 | | 0.0000 | System not yet constructed in 2011. |
| | | I | CY2006 | Facility Total: | 0.0000 | <u> </u> | 0.0000 | CY2006 Co-product: 0.00 lbs/yr. |
| | | I | CY2007 | Facility Total: | 0.0000 | <u> </u> | 0.0000 | CY2007 Co-product: 0.00 lbs/yr. |
| | | I | CY2008 | Facility Total: | 0.0000 | <u> </u> | 0.0000 | CY2008 Co-product: 0.00 lbs/yr. |
| | | I | CY2009 | Facility Total: | 0.0000 | <u> </u> | 0.0000 | CY2009 Co-product: 0.00 lbs/yr. |
| | | I | CY2010 | Facility Total: | 0.0000 | <u> </u> | 0.0000 | CY2010 Co-product: 0.00 lbs/yr. |
| | | ! | CY2011 F | acility Total: | 0.0000 | <u> </u> | 0.0000 | CY2011 Co-product: 0.00 lbs/yr. |
| Source: Barric | ck Turquoise Ric | lge, Inc Getche | all Mine: AQC |)P AP1041-02 | 292.01; MOPTC AP10 | 41-2249 | | |
| System Descri | iption: Assay/Me | et Laboratory | | | | | | |
| Hg | | ! | <u>[</u> | <u> </u> | 4.9462 | | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. |
| | | I | CY2006 | Facility Total: | 10.6752 | <u> </u> | 0.0000 | CY2006 Co-product: 0.00 lbs/yr. |
| | | I | CY2007 | Facility Total: | 4.9660 | <u> </u> | 0.0000 | CY2007 Co-product: 0.00 lbs/yr. |
| | | I | CY2008 | Facility Total: | 4.9462 | 4 / | 0.0000 | CY2008 Co-product: 0.00 lbs/yr. |
| | | I | CY2009 | Facility Total: | 4.9462 | 4 / | 0.0000 | CY2009 Co-product: 0.00 lbs/yr. |
| | | I | CY2010 | Facility Total: | 4.9462 | 4 / | 0.0000 | CY2010 Co-product: 0.00 lbs/yr. |
| | | ! | CY2011 F | acility Total: | 4.9462 | <u> </u> | 0.0000 | CY2011 Co-product: 0.00 lbs/yr. |
| Source: Noble | e Technologies (| Corp.: AQOP AP | '1041-2634; N | IOPTC AP10 | 41-2701 | | | |
| System Descri | iption: Furnaces | 3 (3 Drying, 1 Sm) 3 (3 | elting) | | | | | |
| Hg | | · | ſ <u></u> ' | | 4.0026 | | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. |
| | | I | CY2010 | Facility Total: | 4.0026 | <u> </u> | 0.0000 | CY2010 Co-product: 0.00 lbs/yr. |
| | | ! | CY2011 F | acility Total: | 4.0026 | <u> </u> | 0.0000 | CY2011 Co-product: 0.00 lbs/yr. |
| Source: Tonki | in Springs, LLC: | AQOP AP1041 | -0482.03; MO | PTC AP1041 | -2726 | | | |
| System Descri | iption: Assay La | boratory (2 Griev | ve Drying Ove | ns) | | | | |
| Hg | | · | <u> </u> | | 4.9200 | | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. |
| · · · · · | | i | CY2010 | Facility Total: | 4.9200 | | 0.0000 | CY2010 Co-product: 0.00 lbs/yr. |
| | | r | CY2011 F | acility Total: | 4.9200 | <u> </u> | 0.0000 | CY2011 Co-product: 0.00 lbs/yr. |
| Source: Plum | Mining Compar | IV. LLC: AQOP / | AP1041-2761: | MOPTC AP1 | 1041-2690 | | | |
| System Descri | iption: Mercury | Retort (S2.XXX/T | (U4.001) | | | | | |
| Hg | | tpy | · · · · · | lbs/hr | 0.0000 | <u> </u> | 0.0000 | Retort did not operate in CY2011, not yet constructed. |
| System Descri | iption: Refinery | Furnace (S2.XX) | X/TU4.002) | | | | | |
| Hg | | tpy | · · · · | lbs/hr | 0.0000 | | 0.0000 | Furnace did not operate in CY2011, not yet constructed. |
| System Descri | iption: Assay La | boratory (12 The | ermal Units) | | | | | |
| Hg | | · · · · · · · · · · · · · · · · · · · | · · · · · | | 0.0309 | | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. |
| | · · · · · | ·i | CY2011 F | acility Total: | 0.0309 | <u> </u> | 0.0000 | CY2011 Co-product: 0.00 lbs/yr. |
| Source: Miner | ral Ridge Gold, I | LC: AQOP AP1 | 041-2733; MC | OPTC AP104 | 1-2222 | | | |
| System Descri | iption: Assay La | boratory (9 Ther | mal Units) | | | | | |
| Hq | pue | <u>,</u> | | | 2.1256 | <u>г</u> | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. |
| | t | | CY2011 F | acility Total: | 2,1256 | † | 0.0000 | CY2011 Co-product: 0.00 lbs/vr. |

| Source: Ed | Source: Eden Research, LLC: AQOP AP1041-2511; MOPTC AP1041-2638 | | | | | | | |
|-------------------|--|-----------------------------|------------------|--|------------------------|-------------|-----------------|--|
| System Des | scription: Assay La | aboratory | | | | | | |
| Hg | | Í | | | 2.7982 | | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. |
| | | | CY2009 | Facility Total: | 2.7962 | | 0.0000 | CY2009 Co-product: 0.00 lbs/vr. |
| | | | CY2010 | Facility Total: | 2,7962 | | 0.0000 | CY2010 Co-product: 0.00 lbs/vr. |
| | | | CY2011 Fa | acility Total: | 2,7982 | | 0.0000 | CY2011 Co-product: 0.00 lbs/vr. |
| Source: Bo | oval Standard Mine | erals Inc Manha | attan Mine: A | COP AP1041 | -1457 MOPTC AP104 | 1-2303 | | |
| System Des | scription: Dore Sm | elting Eurnace | | | | 1 2000 | | |
| Cycloin Doc | | | 1 | 1 | | [| | Eacility did not operate in 2011 |
| На | | | | | 4 1040 | | 0 0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev |
| rig | | | CV2006 | Eacility Total: | 0.0000 | | 0.0000 | CV2006 Co-product: 0.00 lbs/vr |
| | | | CV2007 F | Eacility Total: | 4 1040 | | 0.0000 | CV2007 Co product: 0.00 lbs/yr. |
| | | | CV2008 F | Eacility Total: | 4 1040 | | 0.0000 | CV2008 Co product: 0.00 lbs/yr. |
| | | | CV2000 F | Eacility Total: | 4 1040 | | 0.0000 | CV2000 Co-product: 0.00 lbs/yr. |
| | | | CV2010 | Facility Total: | 4.1040 | | 0.0000 | CV2010 Co-product: 0.00 lbs/yr. |
| | | | CV2011 E | acility Total. | 4.1040 | | 0.0000 | CV2011 Co-product: 0.00 lbs/yr. |
| | | Disc. | | | 4.1040 | 11 00 17 | 0.0000 | |
| Source: Ne | wmont wining Col | poration - Phoen | IX IVIINE: AQU | P AP 1041-02 | 20.02; NOPTC APT04 | +1-2247 | | |
| System Des | | Carbon Regenera | 100 Kiin (52.0) | 002/104.001) | 0.0074 | 4.000 | 0.0000 | On the set of the sector of a transfer in all forms could Moonale de trait |
| Hg | 2,763.00 | tpy | 0.0000016 | IDS/III | 0.0074 | 4,606 | 0.0000 | Garbon Klin emissions factor derived from 2011 M29 stack test. |
| System Des | scription: Mercury | Retort (S2.014/1 | 04.002) | lla a /la a | 0.0000 | 0.574 | 0.0000 | Detect and effective factors do include an 0044 M00 starts to the |
| Hg | 28.00 | tpy | 0.0000001 | ibs/nr | 0.0003 | 2,574 | 0.0000 | Refort emissions factor derived from 2011 Mi29 stack test. |
| System Des | scription: Pregnan | t & Barren Strip S | Solution Tanks | | 0.00.40 | - | 0.0000 | |
| Hg | | | | | 0.0940 | | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. |
| System Des | scription: Electro-v | winning Cells | | | | | | |
| Hg | | | | | 0.2733 | | 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 I | -acility I otal: | 1.3102 | | 0.0000 | CY2009 Co-product: 0.00 lbs/yr. |
| | | | CY2011 Fa | acility lotal: | 0.3749 | | 0.0000 | CY2011 Co-product: 0.00 lbs/yr. |
| Source: Ba | Source: Barrick Goldstrike Mines, Inc.: AQOP AP1041-0739.01; MOPTC AP1041-2221 | | | | | | | |
| - | | - | | | | - | - | |
| System Des | scription: North Ro | baster Mill Circuit | #1 Air Pre-He | ater and Dry | Grinding Process (S2.) | 204 & S2.20 | 5.01 - S2.205. | .12/TU4.001) |
| Hg | 2,618,490.00 | tpy | 0.000967 | lbs/hr | 7.549369 | 7,807 | 0.0000 | Mill Circuit #1 emissions factor derived from avg. of 2011 M29 stack tests. |
| System Des | scription: South R | oaster Mill Circuit | #2 Air Pre-He | eater and Dry | Grinding Process (S2. | 206 & S2.20 | 07.01 - S2.207. | .12/104.002) |
| Hg Sustam Day | 2,574,066.00 | | 0.000358 | | 2.841446 | 7,937 | 0.0000 | Mill Circuit #2 emissions factor derived from 2011 M29 stack test. |
| System Des | scription. Roasters | 5 # 1 & #2 (52.20t | 0.1 & 52.209.2 | 2/104.003 & I | 04.004) | 1 | 1 | Boostor Circuit amiggions factor derived from 2011 M20 stack toot. Testing |
| | | | | | | | | Roaster Circuit emissions racior derived from 2011 w/29 stack test. Testing |
| | | | | | | | | the average of individual Reaster operations. Annual hours operated is |
| Ца | 5 510 401 00 | tov | 0.0554 | lbo/br | 100 0400 | 7 01 2 | 0 0000 | brown Resider #2 exercised 7,872 brown |
| ⊓y Svetem Dee | 5,519,401.00 | ipy | 0.0004 | | 432.0402 | 7,013 | 0.0000 | |
| | | tov | | lbc/br | 0 29112 | 7 750 | 0.0000 | Quanch Circuit #1 amissions factor derived from 2011 M20 stack test |
| ⊓y Svetem Dee | 2,007,177.00 | lpy | 0.00121 | | 9.30113 | 7,753 | 0.0000 | Quench Circuit #1 emissions factor derived from 2011 M29 stack test. |
| System Des | | | | 00000000000000000000000000000000000000 | 10 00000 | 7 070 | 0.0000 | Quanch Circuit #0 amigaiana factor dariyad from 2011 M20 ataak taat |
| ⊓y Custara Dav | 2,052,217.00 | ipy | 0.00156 | IDS/III | 12.20032 | 7,072 | 0.0000 | Quench Circuit #2 emissions factor derived from 2011 M29 stack test. |
| System Des | scription: Analytica | al Assay Laborato | ory (52.051/10 | J4.007) | 11.0000 | 0.700 | 0.0000 | Assess Lab amining factor downed from 0011 M00 actual test |
| Hg Custom Day | 37.00 | tpy Departiventions Kilm | 0.0013 | IDS/III | 11.3880 | 8,760 | 0.0000 | Assay Lab emissions factor derived from 2011 M29 satck test. |
| System Des | scription: Carbon I | Reactivation Kiin | (52.004.1/104 | 4.008) | 40 5000 | 0.404 | 0.0000 | On the set of the sector of a transfer in all forms could Moonale de trait |
| Hg | 6,799.00 | tpy | 0.00165 | ibs/nr | | 6,404 | 0.0000 | Garbon Kiln emissions factor derived from 2011 M29 stack test. |
| System Des | scription: Pregnan | t & Barren Strip S | Solution Tanks | s - Circuit A (I | 04.009 & 104.011) | 0.700 | 0.0000 | Due / Denne Taula Annia inclusion factor de inclution (Anno 2014 M00 attaut taut |
| Hg | Not Reported | gals/yr | 0.00921 | Ibs/hr | 80.6796 | 8,760 | 0.0000 | Preg./Barren Tanks A emissions factor derived from 2011 M29 stack test. |
| System Des | Scription: Pregnan | t & Barren Strip S | Solution Lanks | | 04.010 & 104.012) | 0 700 | 0.0000 | |
| Hg | Not Reported | gals/yr | 0.00112 | lbs/hr | 9.8112 | 8,760 | 0.0000 | Preg./Barren Tanks B emissions factor derived from 2011 M29 stack test. |
| System Des | scription: Autoclav | e #1 (S2.015/TU | 4.013) | | Acidic Operation | | 0.0000 | |
| Hg | | tpy | | lbs/hr | 0.0000 | | 0.0000 | Autoclave #1 did not operate in acidic mode during 2011. |
| System Des | scription: Autoclav | re #1 (S2.015/TU | 4.013) | | Alkaline Operation | | | |
| Hg | 1 | tpy | | lbs/hr | 0.0000 | | 0.0000 | Autoclave #1 did not operate in alkaline mode during 2011. |

| Source: Bar | Jurce: Barrick Goldstrike Mines, Inc.: AQOP AP1041-0739.01; MOPTC AP1041-2221 (continued) | | | | | | | | |
|-------------|---|----------------------|----------------|----------------|-------------------------|--------------|-------------------|---|--|
| System Desc | cription: Autoclav | es #2 & 3 (S2.01 | 6 & S2.017/Tl | J4.014 & TU4 | 4.015)) | Acidic | Operation | | |
| Hq | 509.298.00 | tpv | 0.00232 | lbs/hr | 4.9254 | 2,123 | 0.0000 | Autoclaves #2 & 3 emissions factor derived from 2011 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 #2 (TU4.014) operated 1,844 hrs/yr; Autoclave #3 (TU4.015) operated 2,402 hrs/yr. | |
| System Desc | cription: Autoclav | es #2 & 3 (S2.01 | 6 & S2.017/TL | J4.014 & TU4 | 4.015)) | Alkaline | e Operation | | |
| Hq | | tpy | | lbs/hr | 0.0000 | | 0.0000 | Autoclaves #2 &3 did not operate in alkaline mode during 2011. | |
| System Desc | cription: Autoclav | e #4 (S2.018/TU | 4.016) | | Acidic Operation | | | · · · · · · · · · · · · · · · · · · · | |
| Hg | 476,396.00 | tpy | 0.0003 | lbs/hr | 1.1055 | 3,685 | 0.0000 | Autoclave #4 emissions factor derived from 2011 M29 stack test. | |
| System Desc | cription: Autoclav | es #5 & 6 (S2.01 | 9 & S2.020/TI | J4.017 & TU4 | 4.018)) | Acidic | Operation | | |
| Hg | 872,183.00 | tpy | 0.0019 | lbs/hr | 6.3973 | 3,367 | 0.0000 | Autoclaves #5 & 6 emissions factor derived from 2011 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 3,827 hrs/yr; Autoclave #6 (TU4.018) operated 2,906 hrs/yr. | |
| System Desc | cription: Autoclav | es #4 - 6 Phase 2 | 2 Modified for | Alkaline Oper | rations (S2.018 - S2.02 | 20/TU4.016 | - TU4.018) | | |
| La. | 061 080 00 | tov | 0.000125 | lbe/br | 0.4140 | 2.072 | 0.0000 | Autoclaves #4 - 6 emissions factor derived from 2012 M29 stack test conducted 01/18/12. Testing was conducted during simultaneous ops. Annual hours operated is the average of individual Autoclave operations. Autoclave #4 (TU4.016) operated 3,342 hrs/yr. Autoclave #5 (TU4.017) constrated 2.095 hrs/yr. Autoclave #5 (TU4.019) constrated 2.091 hrs/yr. | |
| System Doc | printion: Moreury | Potorte #1 (S2 00 | 0.000133 | 105/11 | 0.4145 | 3,075 | 0.0000 | operated 2,903 ms/yr. Autoclave #0 (104.010) operated 2,091 ms/yr. | |
| Ha | | tov | 0.00315 | lbs/br | 5 6448 | 1 792 | 0.0000 | Betort emissions factor derived from 2011 M29 stack test | |
| Svetem Desc | cription: Mercury | Retorts #2 (S2 0* | 10/TLIA 020) | 103/11 | 5.0440 | 1,752 | 0.0000 | | |
| Ha | 35.00 | tov | 0.00614 | lbs/hr | 13 5510 | 2 207 | 0.0000 | Betort emissions factor derived from 2011 M29 stack test | |
| System Desc | cription: Mercury | Retorts #3 (S2 01 | 11/TLI4 021) | 103/11 | 10.0010 | 2,207 | 0.0000 | | |
| Ha | 35.00 | tov | 0.000768 | lbs/hr | 1 7518 | 2 281 | 0.0000 | Betort emissions factor derived from 2011 M29 stack test | |
| System Desc | cription: Mercury | Betorts #1 - #3 ((| Cumulative Co | product) | | | 0.0000 | | |
| Ha | | | | | | | 59,9200 | Cumulative co-product for all three mercury retorts. | |
| System Desc | cription: East & V | Vest Refinery Fur | naces & Elect | ro-winning Ce | ells combined vented t | hrough a co | mmon carbon fil | Iter and stack (S2.013 & S2.014/TU4.022 & TU4.023) | |
| Hg | 81.00 | tpy | 0.00391 | lbs/hr | 1.9980 | 511 | 0.0000 | Furnaces's/EW Cells emissions factor derived from 2011 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 515 hrs/yr; West Furnace (TU4.023) operated 507 hrs/yr. | |
| System Desc | cription: Electro-v | vinning Cells only | r (TU4.024) | | | | | | |
| Hg | Not Reported | gals/yr | 0.00181 | lbs/hr | 12.9759 | 7,169 | 0.0000 | EW Cells emissions factor derived from 2011 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 511 hrs/yr. was subtracted from total hours operated to arrive at 7,169 hours of EW Cell operations only. | |
| System Desc | cription: Assay, M | Aill, Mill Met, Auto | clave, Autocla | ve Met and F | Roaster Pumphouse La | aboratories, | Strip Circuit Are | a and Ore Fines Fee System. | |
| Hg | | | | | 4.4495 | | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. | |
| | | | CY2006 | acility Total: | 616.7650 | | 98.5500 | CY2006 Co-product: 197,100 lbs/yr. | |
| | | | CY2007 F | acility Total: | 708.6590 | ļ | 58.6300 | CY2007 Co-product: 117,260 lbs/yr. | |
| | | | CY2008 F | acility Total: | 166.0557 | ļ | 87.3300 | CY2008 Co-product: 134,660 lbs/yr. | |
| | | | CY2009 F | acility Total: | 369.7831 | ļ | 61.8730 | CY2009 Co-product: 123,746 lbs/yr. | |
| | | | CY2010 F | acility Total: | 266.9336 | ļ | 60.1080 | CY2010 Co-product: 120,216 lbs/yr. | |
| | | | CY2011 Fa | acility Total: | 630.5519 | | 59.9200 | CY2011 Co-product: 119,840.00 lbs/yr. | |

| CY 2011 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 |

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 2010 C | umulative To | otals | CY 2010 process emissions were solely derived using one consistent |
|-------------------|--------------|------------|--|
| | | | FRM testing methodology (Method 29). Testing protocols were reviewed |
| Process Emissions | | Co-Product | to ensure reporting accuracy |
| (lbs/yr) | | (tny) | to ensure reporting accuracy. |
| (103/91) | ╉ ┣ | ((P)) | |
| 1 134 15 | | 101 59 | |
| 1,104.10 | | 101.00 | Co-product: 203 180 lbs/vr |
| | | | |
| CY 2009 C | umulative To | otals | 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 | | Co-Product | 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 |
| | t F | | results were invalidated. |
| | | | |
| 1,336.46 | | 90.18 | Co-product: 180,360 lbs/yr |
| | | | |
| CY 2008 C | umulative To | 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 | ļ | 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 To | 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 | 4 – | tpy | l esting protocals were reviewed prior to test commencement and all final |
| 4 704 50 | | 07.00 | report submittals were reviewed to ensure reporting accuracy. |
| 4,704.52 | | 97.08 | Co-product. 195,360 IDS/yr |
| 01/ 0000 0 | | tala | |
| CY 2006 C | | | UY 2006 process emissions and co-product values were accepted |
| Process Emissions | | | as submitted due to variability in testing methodology, emission |
| IDS/yr | ╉╴╴┝ | 122.26 | Calculation methods and/or the lack of current FRIVI test results. |
| 4,408.15 | | 133.20 | CO-product. 200,520 IDS/yr |