<table>
<thead>
<tr>
<th>Pollutant ID</th>
<th>Production/Heat Rate (eg. tons/yr)</th>
<th>Production Units</th>
<th>Emissions Emissions</th>
<th>Hg Annual Hours Hg Co-Product Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Emissions Factor</td>
<td>Emissions Factor Units</td>
<td>Emissions (lbs/yr)</td>
<td>Operated (tons/yr)</td>
</tr>
<tr>
<td>System Description: Juniper Mill Electric Induction Furnace (S2.001/TU4.001 - 1 of 2, only one operates at a time)</td>
<td>Hg 56.34 tpy 0.000401 lbs/hr 0.1766 441 0.0000</td>
<td>Induction Furnace emissions factor derived from 2015 M29 stack test.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System Description: Juniper Mill Carbon Kiln (S2.002/TU4.003)</td>
<td>Hg 4,606.43 tpy 0.000431 lbs/hr 3.355 7.739 0.0000</td>
<td>Carbon Kiln emissions factor derived from 2015 M29 stack test.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System Description: Mercury Retort Circuit #1 (S2.004/TU4.004)</td>
<td>Hg 24.97 tpy 0.000316 lbs/hr 1.0690 3.383 0.0000</td>
<td>Retort #1 emissions factor derived from 2015 M29 stack test.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System Description: Mercury Retort Circuit #2 (S2.005/TU4.005)</td>
<td>Hg 21.70 tpy 0.0000172 lbs/hr 0.0523 3.044 0.0000</td>
<td>Retort #2 emissions factor derived from 2015 M29 stack test.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System Description: Sage Mill Autoclave #1 (S2.023/TU4.014)</td>
<td>Hg 1,892.678.00 tpy 0.0000125 lbs/hr 0.1001 8.011 0.0000</td>
<td>Autoclave #1 emissions factor derived from 2015 M29 stack test.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System Description: Sage Mill Autoclave #2 (S2.024/TU4.015)</td>
<td>Hg 1,934.615.00 tpy 0.0000129 lbs/hr 0.1045 8.102 0.0000</td>
<td>Autoclave #2 emissions factor derived from 2015 M29 stack test.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System Description: Electro-winning Cells (TU4.011 - six cells ducted to common stack)</td>
<td>Hg 74.87 MMGals/yr 0.00000945 lbs/hr 0.0821 8.688 0.0000</td>
<td>Electro-winning Cells emissions factor derived from 2015 M29 stack test.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System Description: Juniper Mill Pregnant &amp; Barren Strip Solution Tanks (TU4.006 - TU4.008)</td>
<td>Hg 85.57 MMGals/yr 0.0000328 lbs/hr 0.2873 8.760 0.0000</td>
<td>Preg./Barren Tanks emissions factor derived from 2015 M29 stack test.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System Description: Pinon Mill Pregnant &amp; Barren Strip Solution Tanks (TU4.012 &amp; TU4.013)</td>
<td>Hg 95.59 MMGals/yr 0.00126 lbs/hr 11.0376 8.760 0.0000</td>
<td>Preg./Barren Tanks emissions factor derived from 2015 M29 stack test.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System Description: Mercury Co-Product</td>
<td>Hg 0.0000 5.2900</td>
<td>Facility-wide mercury co-product collected, no breakout by system provided.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Jerritt Canyon Gold, LLC - Jerritt Canyon Mine (formerly Veris Gold USA, Inc./formerly Queenstake Resources USA, Inc.): AQOP AP1041-3422; MOPTC AP1041-2217

**System Description: West Roaster Process (S2.031 & S2.033/TU4.002 & TU4.002A - West Roaster & West Quench Tank)**

| Hg     | 566,479.00 tpy | 0.00407 lbs/hr | 26.9515 | 6,522 | 0.0000 | Roaster emissions factor derived from 2015 M29 stack test. |

**System Description: One Dryer (S2.022/TU4.007)**

| Hg     | 1,202,430.00 tpy | 0.00519 lbs/hr | 30.6950 | 5,338 | 0.0000 | Ore Dryer emissions factor derived from 2015 M29 stack test. |

**System Description: Mercury Retort (S2.039.1/TU4.008)**

| Hg     | 12.70 tpy | 0.0000493 lbs/hr | 0.0722 | 1,464 | 0.0000 | Retort emissions factor derived from 2015 M29 stack test. |

**System Description: Refining Process Induction Furnace (S2.039.2/TU4.009)**

| Hg     | 6.36 tpy | 0.000151 lbs/hr | 0.0260 | 172 | 0.0000 | Furnace emissions factor derived from 2015 M29 stack test. |

**System Description: Electro-winning Cells & Pregnant/Barren Strip Solution Tanks (S2.038.1 - S2.038.4/TU4.004 - TU4.007)**

| Hg     | 19,166,399.00 gal/yr | 0.003504 lbs/hr | 30.6950 | 8,760 | 0.0000 | EW Cells and P/B Tanks emissions factor derived from 2015 M29 stack test. |

**System Description: Mercury Co-Product**

| Hg     | 0.0000 | 5.3400 | Facility-wide mercury co-product collected, no breakout by system provided. |

### Newmont Mining Corporation - Gold Quarry: AQOP AP1041-0793; MOPTC AP1041-2219

**System Description: Mill 6 Static Separator (Double Rotator Air Pre-Heater: S2.120/TU4.001)**

| Hg     | 3,625,185.00 tpy | 0.0004499 lbs/hr | 3.4224 | 7,607 | 0.0000 | Static Separator emissions factor derived from 2015 M29 stack test. |

**System Description: CFB North and South Ore Preheaters (S2.126 & S2.129/TU4.002 & TU4.003)**

| Hg     | 3,525,648.00 tpy | 0.010469 lbs/hr | 82.8076 | 7,910 | 0.0000 | Ore Preheaters's emissions factor derived from 2015 M29 stack test. |

**System Description: ROTP North Calcine Quench Circuit (S2.158 & S2.159/TU4.006 - TU4.009)**

| Hg     | 1,809,101.00 tpy | 0.00592 lbs/hr | 4.6827 | 7,910 | 0.0000 | North Quench Circuit emissions factor derived from 2015 M29 stack test. |

**System Description: ROTP South Calcine Quench Circuit (S2.160 & S2.161/TU4.010 - TU4.013)**

| Hg     | 1,716,547.00 tpy | 0.003265 lbs/hr | 25.3984 | 7,779 | 0.0000 | South Quench Circuit emissions factor derived from 2015 M29 stack test. |

**System Description: Laboratory Units Including Large Ore Drying Ovens (5 Units) and Electro-winning Cells**

| Hg     | 4.2726 | 0.0000 | Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev. | 12.70 | 0.0000 | Retort emissions factor derived from 2015 M29 stack test. |

**System Description: Electric Refinery Induction Furnaces (S2.047 - S2.049/TU4.024 - TU4.026)**

| Hg     | 67.80 tpy | 0.008292 lbs/hr | 3.5904 | 433 | 0.0000 | Induction Furnace emissions factor derived from 2015 M29 stack test. |

**System Description: Carbon Kiln #1 (Zadra Building) Scrubber Stack (S2.047 - S2.049/TU4.024 - TU4.026)**

| Hg     | 7.477.00 tpy | 0.000872 lbs/hr | 0.6839 | 7,843 | 0.0000 | Klin Scrubber Stack emissions factor derived from 2015 M29 stack test. |

**System Description: Carbon Kiln #2 (AAARL Building) Scrubber Stack (S2.058/TU4.028)**

| Hg     | 6,849.00 tpy | 0.003948 lbs/hr | 27.6913 | 7,014 | 0.0000 | Klin Scrubber Stack emissions factor derived from 2015 M29 stack test. |

**System Description: Refinery Mercury Retort Circuit (S2.225/TU4.029)**

| Hg     | 22.40 tpy | 6.36E-08 lbs/hr | 0.0001 | 1,208 | 0.0000 | Retort Circuit emissions factor derived from 2015 M29 stack test. |

**System Description: Refinery Mercury Retort Circuit (S2.226/TU4.030)**

<p>| Hg     | 0.0000 | 5.3400 | Facility-wide mercury co-product collected, no breakout by system provided. | 0.0000 | 5.3400 | Facility-wide mercury co-product collected, no breakout by system provided. |</p>
<table>
<thead>
<tr>
<th>System Description</th>
<th>Hg 23.80 tpy 1.67E-08 lbs/hr 0.0000 1,347 0.0000 Retort Circuit emissions factor derived from 2015 M29 stack test.</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Description: Refinery Mercury Retort Circuit (S2.227/TU4.031)</td>
<td>Hg 5.40 tpy 2.82E-08 lbs/hr 0.0000 273 0.0000 Retort Circuit emissions factor derived from 2015 M29 stack test.</td>
</tr>
<tr>
<td>System Description: Mercury Co-Product</td>
<td>Hg 0.0000 5.2700 Facility-wide mercury co-product collected, no breakout by system provided.</td>
</tr>
<tr>
<td>System Description: Assay Laboratory, Met Laboratory &amp; Integrated Laboratory</td>
<td>Hg 0.9080 0.0000 Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.</td>
</tr>
<tr>
<td></td>
<td>CY2006 Facility Total: 310.8537 0.0000 2.7200 CY2006 Co-product: 5,440 lbs/yr.</td>
</tr>
<tr>
<td>System Description: Assay Laboratory</td>
<td>Hg 17.1801 0.0000 0.0000 Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.</td>
</tr>
<tr>
<td>System Description: Mercury Co-Product</td>
<td>Hg 44.06 tpy 0.00000619 lbs/hr 0.0113 1,825 0.0000 Retort C emissions factor derived from 2015 M29 stack test.</td>
</tr>
<tr>
<td>System Description: Mercury Co-Product</td>
<td>Hg 0.0000 0.0020 Facility-wide mercury co-product collected, no breakout by system provided.</td>
</tr>
<tr>
<td>System Description: Assay Laboratory</td>
<td>Hg 2.3246 0.0000 Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.</td>
</tr>
<tr>
<td></td>
<td>CY2006 Facility Total: 17.1801 0.0000 CY2006 Co-product: 0.00 lbs/yr.</td>
</tr>
<tr>
<td></td>
<td>CY2007 Facility Total: 4.2457 0.0000 CY2007 Co-product: 0.00 lbs/yr.</td>
</tr>
<tr>
<td></td>
<td>CY2008 Facility Total: 41.3420 0.0000 CY2008 Co-product: 0.00 lbs/yr.</td>
</tr>
<tr>
<td></td>
<td>CY2009 Facility Total: 6.4395 0.0000 CY2009 Co-product: 0.00 lbs/yr.</td>
</tr>
<tr>
<td></td>
<td>CY2010 Facility Total: 14.2333 0.0000 CY2010 Co-product: 0.00 lbs/yr.</td>
</tr>
<tr>
<td></td>
<td>CY2011 Facility Total: 32.0815 0.0099 CY2011 Co-product: 19.87 lbs/yr.</td>
</tr>
<tr>
<td></td>
<td>CY2014 Facility Total: 2.6214 0.0030 CY2014 Co-product: 5.72 lbs/yr.</td>
</tr>
<tr>
<td>System Description: Refinery Furnace #1 (S2.035/TU4.001)</td>
<td>Hg 113.09 tpy 0.000274 lbs/hr 0.1666 608 0.0000 Furnace #1 emissions factor derived from 2015 M29 stack test.</td>
</tr>
<tr>
<td>System Description: Refinery Furnace #2 (S2.036/TU4.002)</td>
<td>Hg 59.07 tpy 0.000968 lbs/hr 0.3606 373 0.0000 Furnace #2 emissions factor derived from 2015 M29 stack test.</td>
</tr>
<tr>
<td>System Description: Retort A (S2.037/TU4.003)</td>
<td>Hg 64.52 tpy 0.0000506 lbs/hr 0.0000 0.0000 Retort A decommissioned in July, 2012.</td>
</tr>
<tr>
<td>System Description: Retort B (S2.038/TU4.004)</td>
<td>Hg 0.0000 0.0000</td>
</tr>
<tr>
<td>System Description: Mercury Co-Product</td>
<td>Hg 0.0000 0.0020 Facility-wide mercury co-product collected, no breakout by system provided.</td>
</tr>
<tr>
<td>System Description: Assay Laboratory</td>
<td>Hg 3.0071 0.0020 CY2015 Co-product: 3.96 lbs/yr.</td>
</tr>
</tbody>
</table>

Source: Klondex Midas Operations, Inc. (formerly Newmont Midas Operations): AQOP AP1041-0766.01; MOPTC AP1041-2253
### KG Mining (Bald Mountain), Inc - Huntington Valley/Mooney Basin (formerly Barrick, Bald Mountain Mine): AQOP AP1041-1362; MOPTC AP1041-2246

<table>
<thead>
<tr>
<th>System Description</th>
<th>Hg tpy</th>
<th>lbs/hr</th>
<th>gals/yr</th>
<th>Potential to emit (PTE), not actual - see De Minimis Designation Tech. Review.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Regeneration Kiln (S2.001/TU4.001)</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>Carbon Kiln decommissioned in May, 2012.</td>
</tr>
<tr>
<td>Mercury Retort (S2.002/TU4.002)</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>Retort decommissioned in May, 2012.</td>
</tr>
<tr>
<td>Bullion Furnace (S2.003/TU4.003)</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>Bullion Furnace decommissioned in May, 2012.</td>
</tr>
<tr>
<td>Electro-winning Circuit (IA1.024/TU4.004) and Barren Strip Solution Tank (TU4.005)</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>EW Circuit decommissioned in May, 2012.</td>
</tr>
<tr>
<td>Mercury Co-Product</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>Facility-wide mercury co-product collected, no breakout by system provided.</td>
</tr>
<tr>
<td>Assay Laboratory</td>
<td>3.1239</td>
<td>0.0000</td>
<td>0.0000</td>
<td></td>
</tr>
<tr>
<td>CY2009 Facility Total:</td>
<td>5.8995</td>
<td>1.5600</td>
<td>CY2009 Co-product: 3,120 lbs/yr.</td>
<td></td>
</tr>
<tr>
<td>CY2012 Facility Total:</td>
<td>3.1464</td>
<td>0.0000</td>
<td>CY2012 Co-product: 0.00 lbs/yr.</td>
<td></td>
</tr>
<tr>
<td>CY2013 Facility Total:</td>
<td>3.6439</td>
<td>0.0000</td>
<td>CY2013 Co-product: 0.00 lbs/yr.</td>
<td></td>
</tr>
<tr>
<td>CY2014 Facility Total:</td>
<td>3.6439</td>
<td>0.0000</td>
<td>CY2014 Co-product: 0.00 lbs/yr.</td>
<td></td>
</tr>
<tr>
<td>CY2015 Facility Total:</td>
<td>3.1239</td>
<td>0.0000</td>
<td>CY2015 Co-product: 0.00 lbs/yr.</td>
<td></td>
</tr>
</tbody>
</table>

### Source: Rawhide Mining, LLC - Denton-Rawhide Mine (formerly Kennecott Rawhide Mining Company): AQOP AP1041-2892; OPTC AP1041-2975; MOPTC AP1041-2245

<table>
<thead>
<tr>
<th>System Description</th>
<th>Hg tpy</th>
<th>lbs/hr</th>
<th>gals/yr</th>
<th>Potential to emit (PTE), not actual - see De Minimis Designation Tech. Review.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Regeneration Kiln (S2.001/TU4.001)</td>
<td>344.50</td>
<td>0.0000</td>
<td>103 lbs/hr</td>
<td>Carbon Kiln emissions factor derived from 2015 M29 stack test.</td>
</tr>
<tr>
<td>Refinery Induction Furnace (S2.004/TU4.003)</td>
<td>30.70</td>
<td>0.0185</td>
<td>3,260</td>
<td>Refinery Furnace emissions factor derived from 2015 M29 stack test.</td>
</tr>
<tr>
<td>Mercury Retort (S2.002)</td>
<td>0.0000</td>
<td>0.0102</td>
<td>Facility-wide mercury co-product collected, no breakout by system provided.</td>
<td></td>
</tr>
<tr>
<td>Mercury Co-Product</td>
<td>0.0000</td>
<td>0.0102</td>
<td>Facility-wide mercury co-product collected, no breakout by system provided.</td>
<td></td>
</tr>
<tr>
<td>Assay Laboratory</td>
<td>0.0142</td>
<td>0.0000</td>
<td>0.0102</td>
<td>Facility-wide mercury co-product collected, no breakout by system provided.</td>
</tr>
</tbody>
</table>

---

### Notes:
- Hg tpy: Tons of mercury per year.
- lbs/hr: Pounds per hour.
- gals/yr: Gallons per year.
- Potential to emit (PTE): Potential to emit mercury, not actual - see De Minimis Designation Tech. Review.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>Not Reported tpy</td>
<td>Not Reported tpy</td>
<td>tpy</td>
<td>tpy</td>
<td>tpy</td>
<td>lbs/hr</td>
<td>lbs/hr</td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>0.00000555 lbs/hr 0.4068</td>
<td>0.000135 lbs/hr 0.7915</td>
<td>0.0111 lbs/hr 0.1111</td>
<td>0 lbs/hr</td>
<td>0 lbs/hr</td>
<td>0.0000 lbs/hr 7,317 0.0000</td>
<td>0.0000 lbs/hr 5,863 0.0000</td>
<td>0.0000 lbs/hr 7,238 0.0000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Description: Mercury Co-Product</th>
<th>Facility-wide mercury co-product collected, no breakout by system provided.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr</td>
</tr>
<tr>
<td>System Description: Assay Laboratory</td>
<td>Facility-wide mercury co-product collected, no breakout by system provided.</td>
</tr>
<tr>
<td>Hg</td>
<td>0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr</td>
</tr>
<tr>
<td>System Description: Mercury Co-Product</td>
<td>Facility-wide mercury co-product collected, no breakout by system provided.</td>
</tr>
<tr>
<td>Hg</td>
<td>0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr</td>
</tr>
<tr>
<td>System Description: Assay Laboratory</td>
<td>Facility-wide mercury co-product collected, no breakout by system provided.</td>
</tr>
<tr>
<td>Hg</td>
<td>0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr</td>
</tr>
</tbody>
</table>

Source: Hycroft Resources & Development, Inc. - Crofoot/Lewis Project: AQOP AP1041-0334.02; OPTC AP1041-2974; OPTC AP1041-3269; OPTC AP1041-3344; MOPTC AP1041-2255

Source: Carlin Resources, LLC - Esmeralda Mill (formerly Waterton Global Mining/Antler Peak Gold/Metallic Ventures): AQOP AP1041-3127; OPTC AP1041-2853; MOPTC AP1041-2248

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>0 lbs/hr 0.0000 lbs/hr 0.0000 lbs/hr 0.0000 lbs/hr 0.0000 lbs/hr 0.0000 lbs/hr 0.0000 lbs/hr 0.0000 lbs/hr 0.0000 lbs/hr</td>
</tr>
<tr>
<td>System Description: Mercury Co-Product</td>
<td>Facility-wide mercury co-product collected, no breakout by system provided.</td>
</tr>
<tr>
<td>Hg</td>
<td>0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr</td>
</tr>
<tr>
<td>System Description: Assay Laboratory</td>
<td>Facility-wide mercury co-product collected, no breakout by system provided.</td>
</tr>
<tr>
<td>Hg</td>
<td>0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr 0.0000 lbs/yr</td>
</tr>
</tbody>
</table>

Potential to emit (PTE) of 0.0076 lbs/yr, not actual - see DM Technical Review.
| System Description: Refinery Furnace (TU4.001) | Hg | 242.00 | tpy | 0.00352 | lbs/hr | 2.3162 | 658 | 0.0000 | Refinery Furnace emissions factor derived from avg. of 2015 M29 stack tests. |
| System Description: Mercury Retorts (TU4.002 & TU4.003) | Hg | 384.00 | tpy | 0.000166 | lbs/hr | 0.1001 | 6,028 | 0.0000 | Retort emissions factor derived from 2015 M29 stack test. |
| System Description: Mercury Co-Product | Hg | 0.0000 | | | | 10.4000 | Facility-wide mercury co-product collected, no breakout by system provided. |

**Source: Coeur D'Alene Mining Corporation - Coeur Rochester Mine: AQOP AP1044-0063.02; MOPTC AP1041-2242**

| System Description: Electro-winning Cells (East Stack) | Hg | gals/yr | 0 | lbs/hr | 0.0000 | 0 | 0.0000 | EW Cells were decommissioned throughout 2012. |
| System Description: Electro-winning Cells (West Stack) | Hg | gals/yr | 0 | lbs/hr | 0.0000 | 0 | 0.0000 | EW Cells were decommissioned throughout 2012. |
| System Description: Electro-winning Cells (Scavenger Stack) | Hg | gals/yr | 0 | lbs/hr | 0.0000 | 0 | 0.0000 | EW Cells were decommissioned throughout 2012. |
| System Description: Pregnant and Barren Solution Tanks | Hg | tpy - carbon | 0 | lbs/hr | 0.0000 | 0.0000 | P/B Tanks were decommissioned throughout 2012. |
| System Description: Mercury Co-Product | Hg | 0.0000 | | | | 0.0000 | Facility-wide mercury co-product collected, no breakout by system provided. |
| System Description: Sample Room, Fire Assay Room, Wet Laboratory, LECO Laboratory, Met Laboratory | Hg | CY2006 Facility Total: 1.8788 | | | | CY2015 Facility Total: 1.8788 | 0.0000 | CY2015 Co-product: 0.00 lbs/yr. |

**Source: Newmont Mining Corporation - Lone Tree Mine: AQOP AP1041-3575; MOPTC AP1041-2251**
<table>
<thead>
<tr>
<th>System Description</th>
<th>Hg (tpy)</th>
<th>Hg (lbs/hr)</th>
<th>Hg (Hg/hr)</th>
<th>Hourly Emissions Factor</th>
<th>Energy Factor (in %)</th>
<th>Operational Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refinery Induction Furnace #1 (S2.003/TU4.004)</td>
<td>28.80</td>
<td>0.000034</td>
<td>0.0104</td>
<td>307</td>
<td>0.0000</td>
<td>0.1176</td>
</tr>
<tr>
<td>Refinery Induction Furnace #2 (S2.007/TU4.005)</td>
<td>3.00</td>
<td>0.0000279</td>
<td>0.0022</td>
<td>78</td>
<td>0.0000</td>
<td>0.0860</td>
</tr>
<tr>
<td>Electric Carbon Reactivation Kiln #1 (S2.008/TU4.006)</td>
<td>6.10</td>
<td>0.000325</td>
<td>0.0040</td>
<td>12</td>
<td>0.0000</td>
<td>0.1176</td>
</tr>
<tr>
<td>Electric Carbon Reactivation Kiln #2 (S2.009/TU4.007)</td>
<td>69.20</td>
<td>0.000366</td>
<td>0.0052</td>
<td>140</td>
<td>0.0000</td>
<td>0.1176</td>
</tr>
<tr>
<td>East Electro-winning Circuit (IA1.096/TU4.001)</td>
<td>16,525,847.50</td>
<td>0.00004</td>
<td>0.2230</td>
<td>5,576</td>
<td>0.0000</td>
<td>0.0860</td>
</tr>
<tr>
<td>West Electro-winning Circuit (IA1.097/TU4.002)</td>
<td>1,8720</td>
<td>0.036822</td>
<td>23.4077</td>
<td>636</td>
<td>0.0000</td>
<td>0.0860</td>
</tr>
<tr>
<td>Mercury Retorts (TU4.010 &amp; TU4.011)</td>
<td>124.80</td>
<td>0.036822</td>
<td>23.4077</td>
<td>636</td>
<td>0.0000</td>
<td>0.0860</td>
</tr>
<tr>
<td>Mercury Co-Product</td>
<td>19.06</td>
<td>0.000268</td>
<td>0.1573</td>
<td>587</td>
<td>0.0000</td>
<td>0.1176</td>
</tr>
<tr>
<td>Mercury Co-Product</td>
<td>4.2320</td>
<td>0.000268</td>
<td>0.1573</td>
<td>587</td>
<td>0.0000</td>
<td>0.0860</td>
</tr>
<tr>
<td>Mercury Co-Product</td>
<td>15.06</td>
<td>0.000268</td>
<td>0.1573</td>
<td>587</td>
<td>0.0000</td>
<td>0.0860</td>
</tr>
<tr>
<td>Mercury Co-Product</td>
<td>4.1346</td>
<td>0.000268</td>
<td>0.1573</td>
<td>587</td>
<td>0.0000</td>
<td>0.0860</td>
</tr>
<tr>
<td>Mercury Co-Product</td>
<td>33.4578</td>
<td>0.000268</td>
<td>0.1573</td>
<td>587</td>
<td>0.0000</td>
<td>0.0860</td>
</tr>
</tbody>
</table>
### System Description: Smoky Valley Carbon Reactivation Kiln (S2.121/TU4.001)

| Hg | 2,925.00 | tpy | 0.0000621 | lbs/hr | 0.4331 | 6,975 | 0.0000 |

Carbon Kiln emissions factor derived from 2015 M29 stack test. The Pregnant Strip Solution Tank and both Barren Strip Solution Tanks were removed from this system and added to the ADR Carbon Stripping Circuit April 16, 2014.

### System Description: Gold Hill Carbon Reactivation Kiln (S2.157/TU4.006)

| Hg | 30.57 | tpy | 0.0000764 | lbs/hr | 0.0264 | 345 | 0.0000 |

Furnace emissions factor derived from 2015 M29 stack test.

| Hg | 1,974.00 | tpy | 0.0000014 | lbs/hr | 0.0111 | 7,939 | 0.0000 |

Carbon Kiln emissions factor derived from average of 2015 M29 stack tests.

### System Description: Gold Hill Carbon Stripping Circuit - Electro-winning Circuit & Pregnant/Barren Strip Solution Tanks (S2.156 - S2.160/TU4.007 - TU4.009)

| Hg | 26,766,206.00 | gals/yr | 5.745E-06 | lbs/hr | 8,467 | 0.0000 |

Carbon Strip Circ. emissions factor derived from avg. of 2015 M29 stack tests.

### System Description: Gold Hill Mercury Retort (S2.161/TU4.010)

| Hg | 9.85 | tpy | 3.278E-06 | lbs/hr | 0.0062 | 1,891 | 0.0000 |

Retort emissions factor derived from average of 2015 M29 stack tests.

### System Description: Gold Hill Smelting Furnace (S2.162/TU4.011)

| Hg | 8.56 | tpy | 2.945E-06 | lbs/hr | 0.0005 | 167 | 0.0000 |

Furnace emissions factor derived from average of 2015 M29 stack tests.

### System Description: Mercury Co-Product

| Hg | 0.0000 | 0.2940 |

Facility-wide mercury co-product collected, no breakout by system provided.

### System Description: RMG Refinery Electro-winning Vent & Ovens, Assay Laboratory Ovens

| Hg | 1.3818 | tpy | 0 | lbs/hr | 1.750 | 0.0000 |

Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.

### System Description: Electric Carbon Regeneration Kiln (S2.019/TU4.001)

| Hg | 0.0000 | tpy | 0 | lbs/hr | 0.0000 | 0 | 0.0000 |

Carbon Kiln was decommissioned 04/25/11 and did not operate in 2015.

### System Description: Electric Mercury Retort (S2.022/TU4.003)

| Hg | 8.56 | tpy | 0 | lbs/hr | 0.0000 | 0 | 0.0000 |

Retort was decommissioned 04/25/11 and did not operate in 2015.

### System Description: Electric Refinery Induction Furnace (S2.013/TU4.002)

| Hg | 1.3818 | tpy | 0 | lbs/hr | 0.0000 | 0 | 0.0000 |

Furnace was decommissioned 04/25/11 and did not operate in 2015.

### System Description: Electro-winning Cells 1 & 2 (IA1.005/TU4.004) and Pregnant and Barren Strip Solution Tanks (TU4.005)

| Hg | 1.3818 | gals/yr | 0 | lbs/hr | 0.0000 | 0 | 0.0000 |

EW Circuit was decommissioned 04/25/11 and did not operate in 2015.

### System Description: Assay Laboratory

| Hg | 1.3818 | tpy | 0 | lbs/hr | 28.7825 | 0.5000 |

Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.

| Hg | 35.2201 | tpy | 0 | lbs/hr | 8.3173 | 0.0000 |

| Hg | 4.5876 | tpy | 0 | lbs/hr | 6.3734 | 0.0000 |

| Hg | 4.4525 | tpy | 0 | lbs/hr | 4.1960 | 0.0000 |

| Hg | 4.7056 | tpy | 0 | lbs/hr | 3.9537 | 0.0000 |

| Hg | 9.0652 | tpy | 0 | lbs/hr | 1.1750 | 0.0000 |

| Hg | 1.3818 | tpy | 0 | lbs/hr | 28.7825 | 0.5000 |

| Hg | 35.2201 | tpy | 0 | lbs/hr | 8.3173 | 0.0000 |

| Hg | 4.5876 | tpy | 0 | lbs/hr | 6.3734 | 0.0000 |

| Hg | 4.4525 | tpy | 0 | lbs/hr | 4.1960 | 0.0000 |

| Hg | 4.7056 | tpy | 0 | lbs/hr | 3.9537 | 0.0000 |

| Hg | 9.0652 | tpy | 0 | lbs/hr | 1.1750 | 0.0000 |

| Hg | 1.3818 | tpy | 0 | lbs/hr | 28.7825 | 0.5000 |

| Hg | 35.2201 | tpy | 0 | lbs/hr | 8.3173 | 0.0000 |

| Hg | 4.5876 | tpy | 0 | lbs/hr | 6.3734 | 0.0000 |

| Hg | 4.4525 | tpy | 0 | lbs/hr | 4.1960 | 0.0000 |

| Hg | 4.7056 | tpy | 0 | lbs/hr | 3.9537 | 0.0000 |

| Hg | 9.0652 | tpy | 0 | lbs/hr | 1.1750 | 0.0000 |

| Hg | 1.3818 | tpy | 0 | lbs/hr | 28.7825 | 0.5000 |

| Hg | 35.2201 | tpy | 0 | lbs/hr | 8.3173 | 0.0000 |

| Hg | 4.5876 | tpy | 0 | lbs/hr | 6.3734 | 0.0000 |

| Hg | 4.4525 | tpy | 0 | lbs/hr | 4.1960 | 0.0000 |

| Hg | 4.7056 | tpy | 0 | lbs/hr | 3.9537 | 0.0000 |

| Hg | 9.0652 | tpy | 0 | lbs/hr | 1.1750 | 0.0000 |

| Hg | 1.3818 | tpy | 0 | lbs/hr | 28.7825 | 0.5000 |

| Hg | 35.2201 | tpy | 0 | lbs/hr | 8.3173 | 0.0000 |

| Hg | 4.5876 | tpy | 0 | lbs/hr | 6.3734 | 0.0000 |

| Hg | 4.4525 | tpy | 0 | lbs/hr | 4.1960 | 0.0000 |

| Hg | 4.7056 | tpy | 0 | lbs/hr | 3.9537 | 0.0000 |

| Hg | 9.0652 | tpy | 0 | lbs/hr | 1.1750 | 0.0000 |

| Hg | 1.3818 | tpy | 0 | lbs/hr | 28.7825 | 0.5000 |

| Hg | 35.2201 | tpy | 0 | lbs/hr | 8.3173 | 0.0000 |

| Hg | 4.5876 | tpy | 0 | lbs/hr | 6.3734 | 0.0000 |

| Hg | 4.4525 | tpy | 0 | lbs/hr | 4.1960 | 0.0000 |

| Hg | 4.7056 | tpy | 0 | lbs/hr | 3.9537 | 0.0000 |

| Hg | 9.0652 | tpy | 0 | lbs/hr | 1.1750 | 0.0000 |

| Hg | 1.3818 | tpy | 0 | lbs/hr | 28.7825 | 0.5000 |

| Hg | 35.2201 | tpy | 0 | lbs/hr | 8.3173 | 0.0000 |

| Hg | 4.5876 | tpy | 0 | lbs/hr | 6.3734 | 0.0000 |

| Hg | 4.4525 | tpy | 0 | lbs/hr | 4.1960 | 0.0000 |

| Hg | 4.7056 | tpy | 0 | lbs/hr | 3.9537 | 0.0000 |

<p>| Hg | 9.0652 | tpy | 0 | lbs/hr | 1.1750 | 0.0000 |</p>
<table>
<thead>
<tr>
<th>System Description</th>
<th>Hg (tpy)</th>
<th>lbs/hr</th>
<th>Facility Total</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Carbon Regeneration Kiln</strong> (S2.013A/TU4.001)</td>
<td>721.10</td>
<td>1.8755E-05</td>
<td>2,844</td>
<td>Carbon Kiln emissions factor derived from average of 2015 M29 stack tests.</td>
</tr>
<tr>
<td><strong>Mercury Retort</strong> (S2.014/TU4.002)</td>
<td>10.94</td>
<td>0.002211</td>
<td>1,477</td>
<td>Retort emissions factor derived from average of 2015 M29 stack tests.</td>
</tr>
<tr>
<td><strong>Tilting Crucible Furnace</strong> (S2.015/TU4.003)</td>
<td>8.33</td>
<td>0.011605</td>
<td>342</td>
<td>Furnace emissions factor derived from average of 2015 M29 stack tests.</td>
</tr>
<tr>
<td><strong>Electro-winning Circuit</strong> (TU4.004)</td>
<td>90.041.00</td>
<td>0.002211</td>
<td>1,477</td>
<td>Electro-winning Circuit emissions factor derived from avg. of 2015 M29 stack tests.</td>
</tr>
<tr>
<td><strong>Mercury Co-product</strong></td>
<td>0.0000</td>
<td>0.0000</td>
<td></td>
<td>Elemental mercury collected disposed of as hazardous waste, not co-product.</td>
</tr>
<tr>
<td><strong>Assay Laboratory</strong></td>
<td>2.2239</td>
<td>0.0000</td>
<td></td>
<td>Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.</td>
</tr>
</tbody>
</table>

**Boreal Mining Company: AQP AP1041-2855; MOPTC AP1041-2228**

<table>
<thead>
<tr>
<th>System Description</th>
<th>Hg (tpy)</th>
<th>lbs/hr</th>
<th>Facility Total</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Deep Bed Carbon Scrubber</strong>: Carbon Regeneration Kiln (S2.003/TU4.001)</td>
<td>502.00</td>
<td>0.000839</td>
<td>6,7456</td>
<td>Carbon Kiln emissions factor derived from average of 2015 M29 stack tests.</td>
</tr>
<tr>
<td><strong>Deep Bed Carbon Scrubber</strong>: Mercury Retort (S2.004/TU4.002)</td>
<td>4.20</td>
<td>0.000304</td>
<td>1.371</td>
<td>Retort emissions factor derived from 2015 M29 stack test.</td>
</tr>
<tr>
<td><strong>Deep Bed Carbon Scrubber</strong>: Smelting Furnace (2.005/TU4.003)</td>
<td>1.90</td>
<td>0.000168</td>
<td>0.0626</td>
<td>Furnace emissions factor derived from average of 2015 M29 stack tests.</td>
</tr>
<tr>
<td><strong>Mercury Co-product</strong></td>
<td>0.0000</td>
<td>0.0000</td>
<td></td>
<td>Facility-wide mercury co-product collected, no breakout by system provided.</td>
</tr>
</tbody>
</table>

**Barrick Turquoise Ridge, Inc. - Getchell Mine: AQP AP1041-0292.01; MOPTC AP1041-2249**

<table>
<thead>
<tr>
<th>System Description</th>
<th>Hg (tpy)</th>
<th>lbs/hr</th>
<th>Facility Total</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Assay/Met Laboratory</strong></td>
<td>4.6574</td>
<td>0.0000</td>
<td></td>
<td>Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.</td>
</tr>
<tr>
<td>Source: United Mining Partners, LLC (formerly Noble Technologies Corp.): AQOP AP1041-3845; MOPTC AP1041-2701</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>System Description: Furnaces (2 Drying, 1 Smelting)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hg                CY2010 Facility Total: 4.0026</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CY2011 Facility Total: 4.0026</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CY2012 Facility Total: 4.0026</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CY2013 Facility Total: 4.0026</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CY2014 Facility Total: 4.0026</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CY2015 Facility Total: 0.0000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.0000 Potential to emit (PTE) of 4.0026 lbs/yr, not actual - see DM Technical Review.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CY2010 Co-product: 0.00 lbs/yr</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CY2011 Co-product: 0.00 lbs/yr</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CY2012 Co-product: 0.00 lbs/yr</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CY2013 Co-product: 0.00 lbs/yr</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CY2014 Co-product: 0.00 lbs/yr</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FACILITY TOTAL: 4.0026 lbs/yr</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source: GRP Pan, LLC (formerly Midway Gold US, Inc.): AQOP AP1041-3301; MOPTC AP1041-3302</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Description: Carbon Kiln (S2.006/TU4.001)</td>
</tr>
<tr>
<td>Hg 116.00 tpy 0.0000 lbs/hr 0.0369 1.459 0.0000 Carbon Kiln emissions factor derived from 2015 M29 stack test.</td>
</tr>
<tr>
<td>System Description: Mercury Retort (S2.008/TU4.002)</td>
</tr>
<tr>
<td>Hg 1.42 tpy 7.23E-09 lbs/hr 0.0000 655 0.0000 Retort emissions factor derived from 2015 M29 stack test.</td>
</tr>
<tr>
<td>System Description: Melt Furnace (S2.010/TU4.003)</td>
</tr>
<tr>
<td>Hg 0.86 tpy 0.0000124 lbs/hr 0.0021 170 0.0000 Furnace emissions factor derived from 2015 M29 stack test.</td>
</tr>
<tr>
<td>System Description: Carbon Stripping/Electro-winning Cells &amp; Barren Tanks (S2.011/TU4.004 - T4.006)</td>
</tr>
<tr>
<td>Hg 656.00 tpy 0.00000148 lbs/hr 0.0041 2,777 0.0000 Carbon Stripping Circuit emissions factor derived from 2015 M29 stack test.</td>
</tr>
<tr>
<td>System Description: Mercury Co-Product</td>
</tr>
<tr>
<td>FACILITY TOTAL: 118.21 lbs/yr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source: ATNA Resources, Inc.: AQOP AP1041-3086; MOPTC AP1041-3089</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Description: Assay Laboratory</td>
</tr>
<tr>
<td>Hg 2.4700 tpy 0.0000 Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.</td>
</tr>
<tr>
<td>FACILITY TOTAL: 2.4700 lbs/yr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source: Tonkin Springs, LLC: AQOP AP1041-0482.03; MOPTC AP1041-2726</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Description: Assay Laboratory (2 Grieve Drying Ovens)</td>
</tr>
<tr>
<td>Hg 4.9200 tpy 0.0000 Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.</td>
</tr>
<tr>
<td>FACILITY TOTAL: 4.9200 lbs/yr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source: Mt. Hamilton, LLC: AQOP AP1041-3500; MOPTC AP1041-3520</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Description: Mercury Retort (S2.003/TU4.001)</td>
</tr>
<tr>
<td>Hg 0.0000 lbs/hr 0.0000 0 Facility did not operate, not yet constructed.</td>
</tr>
<tr>
<td>System Description: ADR Plant: Carbon Kiln (S2.004B/TU4.002)</td>
</tr>
<tr>
<td>Hg 0.0000 lbs/hr 0.0000 0 Facility did not operate, not yet constructed.</td>
</tr>
<tr>
<td>System Description: ADR Plant: Smelting Furnace (S2.005/TU4.003)</td>
</tr>
<tr>
<td>Hg 0.0000 lbs/hr 0.0000 0 Facility did not operate, not yet constructed.</td>
</tr>
<tr>
<td>System Description: ADR Plant: Electro-winning Cells and P/B Tanks (S2.006 - S2.010/TU4.004 - T4.006)</td>
</tr>
<tr>
<td>Hg 0.0000 lbs/hr 0.0000 0 Facility did not operate, not yet constructed.</td>
</tr>
<tr>
<td>System Description: Mercury Co-Product</td>
</tr>
<tr>
<td>FACILITY TOTAL: 0.0000 lbs/yr</td>
</tr>
</tbody>
</table>

| System Description: Assay Laboratory (14 Thermal Units)       |
| Hg 0.0000 lbs/hr 0.0000 Potential to emit (PTE) of 4.11 lbs/yr, not actual - see DM Technical Review. |
| FACILITY TOTAL: 0.0000 lbs/yr                                |
| FACILITY TOTAL: 0.0000 lbs/yr                                |
### Mercury Retort (S2.021/TU4.001)

<table>
<thead>
<tr>
<th>Hg</th>
<th>tpy</th>
<th>lb/hr</th>
<th>Retort emissions factor derived from 2015 M29 stack test.</th>
</tr>
</thead>
<tbody>
<tr>
<td>35.89</td>
<td>0.0000568</td>
<td>0.1948</td>
<td>3.430</td>
</tr>
</tbody>
</table>

### Mercury Co-Product

<table>
<thead>
<tr>
<th>Hg</th>
<th>tpy</th>
<th>lb/hr</th>
<th>Facility-wide mercury co-product collected - Retort.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td></td>
</tr>
</tbody>
</table>

### Assay Laboratory (12 Thermal Units)

<table>
<thead>
<tr>
<th>CY2011 Facility Total</th>
<th>CY2012 Facility Total</th>
<th>CY2013 Facility Total</th>
<th>CY2014 Facility Total</th>
<th>CY2015 Facility Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0309</td>
<td>0.2755</td>
<td>0.9812</td>
<td>0.0708</td>
<td>0.2257</td>
</tr>
</tbody>
</table>

### Assay Laboratory (9 Thermal Units)

<table>
<thead>
<tr>
<th>CY2011 Facility Total</th>
<th>CY2012 Facility Total</th>
<th>CY2013 Facility Total</th>
<th>CY2014 Facility Total</th>
<th>CY2015 Facility Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.9851</td>
<td>2.1256</td>
<td>2.9851</td>
<td>2.9851</td>
<td>2.9851</td>
</tr>
</tbody>
</table>

### Assay Laboratory

<table>
<thead>
<tr>
<th></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>2.7962</td>
<td>2.7962</td>
<td>2.7962</td>
<td>2.7962</td>
<td>2.7962</td>
<td>2.7962</td>
<td>0.0000</td>
</tr>
</tbody>
</table>

### Assay Laboratory & Dore Smelting Furnace

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>0.3624</td>
<td>4.1040</td>
<td>4.1040</td>
<td>4.1040</td>
<td>4.1040</td>
<td>4.1040</td>
<td>4.1040</td>
<td>4.1040</td>
<td>4.1040</td>
<td>0.3624</td>
</tr>
<tr>
<td>Source: Newmont Mining Corporation - Phoenix Mine: AQOP AP1041-0220.03; MOPTC AP1041-2247</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>-----------------------------------------------------------</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>System Description: Electric Carbon Regeneration Kiln (S2.002/TU4.001)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hg 2,017.00 tpy 0.00000147 lbs/hr 3.362 0.0000 Carbon Kiln emissions factor derived from 2015 M29 stack test.</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Description: Mercury Retort (S2.014/TU4.002)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg 11.00 tpy 2.99E-07 lbs/hr 864 0.0000 Retort emissions factor derived from average of 2015 M29 stack tests.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Description: Mercury Co-Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg 0.0000 0.0000 Facility-wide mercury co-product collected - Retort.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source: Barrick Goldstrike Mines, Inc.: AQOP AP1041-0739.01; OPTC AP1041-2805; MOPTC AP1041-2221</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System Description: North Roaster Mill Circuit #1 Air Pre-Heater and Dry Grinding Process (S2.204 &amp; S2.205.01 - S2.205.12/TU4.001)</strong></td>
</tr>
<tr>
<td>Hg 2,688,033.00 tpy 0.000409 lbs/hr 3.239689 7,921 0.0000 Mill Circuit #1 emissions factor derived from 2015 M29 stack test.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Description: North Roaster Circuit #1 Quenching Process (S2.210/TU4.005)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg 2,887,330.00 tpy 0.00217 lbs/hr 16.42256 7,568 0.0000 Quench Circuit #1 emissions factor derived from 2015 M29 stack test.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Description: South Roaster Mill Circuit #2 Air Pre-Heater and Dry Grinding Process (S2.206 &amp; S2.207.01 - S2.207.12/TU4.002)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg 2,659,267.00 tpy 0.000485 lbs/hr 3.811615 7,859 0.0000 Mill Circuit #2 emissions factor derived from 2015 M29 stack test.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Description: South Roaster Circuit #2 Quenching Process (S2.211/TU4.006)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg 2,676,323.00 tpy 0.00957 lbs/hr 74.48331 7,783 0.0000 Quench Circuit #2 emissions factor derived from 2015 M29 stack test.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Description: Analytical Assay Laboratory (S2.051/TU4.007)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg 47.00 tpy 0.00165 lbs/hr 14.2755 8,758 0.0000 Assay Lab emissions factor derived from 2015 M29 stack test.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Description: Carbon Reactivation Kiln (S2.004.1/TU4.008)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg 6,829.00 tpy 0.0001572 lbs/hr 0.9701 6,171 0.0000 Carbon Kiln emissions factor derived from average of 2015 M29 stack tests.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Description: Pregnant &amp; Barren Strip Solution Tanks - Circuit A (TU4.009 &amp; TU4.011)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg Not Reported gals/yr 0.000116 lbs/hr 0.2412 2,079 0.0000 P/B Tanks A emissions factor derived from average of 2015 M29 stack tests.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Description: Pregnant &amp; Barren Strip Solution Tanks - Circuit B (TU4.010 &amp; TU4.012)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg Not Reported gals/yr 0.0000945 lbs/hr 0.2394 2,394 0.0000 P/B Tanks B emissions factor derived from average of 2015 M29 stack tests.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Description: Autoclave #1 (S2.015/TU4.013)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg tpy 0.0000 0.0000 Autoclave #1 did not operate in 2015.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Description: Autoclaves #2 &amp; 3 (S2.016 &amp; S2.017/TU4.014 &amp; TU4.015)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg 1,359,779.00 tpy 0.00163 lbs/hr 10.2609 6.295 0.0000 Autoclaves #2 &amp; 3 emissions factor derived from 2015 M29 stack tests. Testing was conducted during dual Autoclave operations. Autoclave #2 operated 6,157 hrs/yr, Autoclave #3 operated 6,433 hrs/yr.</td>
</tr>
</tbody>
</table>
System Description: **Autoclaves #4 - 6 (S2.018 - S2.020/TU4.016 - TU4.018)**

<table>
<thead>
<tr>
<th><strong>System Description</strong></th>
<th><strong>Acidic Operation</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>0.0000</td>
</tr>
<tr>
<td></td>
<td>0.0000</td>
</tr>
</tbody>
</table>

System Description: **Autoclaves #4 - 6 emissions factor derived from 2015 M29 stack test.**

Testing was conducted during simultaneous operations and only during alkaline operations mode. Annual hours operated under acidic mode were not reported. Autoclave #4 operated X hours/yr; #5 operated X hours/yr; and #6 operated X hrs/yr.

System Description: **Mercury Retort #1 (S2.009/TU4.019)**

<table>
<thead>
<tr>
<th><strong>System Description</strong></th>
<th><strong>Alkaline Operation</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>0.1490</td>
</tr>
<tr>
<td></td>
<td>5.459</td>
</tr>
</tbody>
</table>

**Mercury Retort #1 emissions factor derived from 2015 M29 stack test.**

System Description: **Electro-winning Cells only (TU4.024)**

<table>
<thead>
<tr>
<th><strong>System Description</strong></th>
<th><strong>Acidic Operation</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>6.2567</td>
</tr>
<tr>
<td></td>
<td>672</td>
</tr>
</tbody>
</table>

**EW Cells emissions factor derived from 2015 M29 stack test while the Furnaces were not operating.** Total EW Cell operating hours were 8,128 hrs/yr. Combined Furnace/EW Cell operating hours of 672 hrs/yr were subtracted from total hours operated to arrive at 7,456 hours of EW Cell operations only.

System Description: **Resin-In-Leach (RIL) Elution Circuit Regeneration Tanks (S2.333.1 - S2.333.8/TU4.026 - TU4.029)**

<table>
<thead>
<tr>
<th><strong>System Description</strong></th>
<th><strong>Acidic Operation</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>2.7960</td>
</tr>
<tr>
<td></td>
<td>7,456</td>
</tr>
</tbody>
</table>

**RIL Elution Circuit Regeneration Tanks commenced operations 11/18/14.**

RIL Regen. Tanks emissions factor derived from March 2015 M29 stack test.

System Description: **Resin-In-Leach (RIL) Electro-winning Circuit & Pregnant/Barren Tanks (S2.342.1 - S2.342.3/TU4.030 - TU4.032)**

<table>
<thead>
<tr>
<th><strong>System Description</strong></th>
<th><strong>Acidic Operation</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>4.9011</td>
</tr>
<tr>
<td></td>
<td>7,069</td>
</tr>
</tbody>
</table>

**RIL EW Circuit & P/B Tanks commenced operations 11/24/14.**

RIL EW Circuit emissions factor derived from average of 2015 M29 stack tests.

System Description: **Resin-In-Leach (RIL) Mercury Co-Product**

<table>
<thead>
<tr>
<th><strong>System Description</strong></th>
<th><strong>Acidic Operation</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>0.0000</td>
</tr>
</tbody>
</table>

**Mercury Co-Product**

System Description: **Assay, Mill, Mill Met, Autoclave, Autoclave Met and Roaster Pumphouse Laboratories, Strip Circuit Area and Ore Fines Fee System**

<table>
<thead>
<tr>
<th><strong>System Description</strong></th>
<th><strong>Acidic Operation</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hg</td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>tpy</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>lbs/hr</td>
</tr>
<tr>
<td></td>
<td>4,750</td>
</tr>
</tbody>
</table>

**Potential to emit (PTE), not actual - see De Minimis Designation Tech. Rev.**
CY 2015 Process Emissions were solely derived using one consistent FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy.

<table>
<thead>
<tr>
<th>Process Emissions (lbs/yr)</th>
<th>Co-Product (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>688.12</td>
<td>131.17</td>
</tr>
</tbody>
</table>

Co-product: 262,340 lbs/yr

CY 2014 Process Emissions were solely derived using one consistent FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy.

<table>
<thead>
<tr>
<th>Process Emissions (lbs/yr)</th>
<th>Co-Product (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>484.21</td>
<td>145.12</td>
</tr>
</tbody>
</table>

Co-product: 290,240 lbs/yr

CY 2013 Process Emissions were solely derived using one consistent FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy. In some instances, 2012 test results were used due to invalidated 2013 test results.

<table>
<thead>
<tr>
<th>Process Emissions (lbs/yr)</th>
<th>Co-Product (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>748.63</td>
<td>111.57</td>
</tr>
</tbody>
</table>

Co-product: 223,140 lbs/yr

CY 2012 Process Emissions were solely derived using one consistent FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy.

<table>
<thead>
<tr>
<th>Process Emissions (lbs/yr)</th>
<th>Co-Product (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,393.42</td>
<td>115.95</td>
</tr>
</tbody>
</table>

Co-product: 231,900 lbs/yr
### CY 2011 Cumulative Totals

<table>
<thead>
<tr>
<th>Process Emissions (lbs/yr)</th>
<th>Co-Product (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,607.96</td>
<td>106.77</td>
</tr>
</tbody>
</table>

Co-product: 213,540 lbs/yr

FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy.

### CY 2010 Cumulative Totals

<table>
<thead>
<tr>
<th>Process Emissions (lbs/yr)</th>
<th>Co-Product (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,134.15</td>
<td>101.59</td>
</tr>
</tbody>
</table>

Co-product: 203,180 lbs/yr

FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy.

### CY 2009 Cumulative Totals

<table>
<thead>
<tr>
<th>Process Emissions (lbs/yr)</th>
<th>Co-Product (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,336.46</td>
<td>90.18</td>
</tr>
</tbody>
</table>

Co-product: 180,360 lbs/yr

FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy. In general, testing went much better in 2009 than in 2008 with far fewer testing irregularities or instances where test results were invalidated.

### CY 2008 Cumulative Totals

<table>
<thead>
<tr>
<th>Process Emissions (lbs/yr)</th>
<th>Co-Product (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,165.90</td>
<td>102.93</td>
</tr>
</tbody>
</table>

Co-product: 205,860 lbs/yr

FRM testing methodology (Method 29). Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy. Some facilities had entire testing events, or in some cases just one or more runs of a test event, invalidated due to irregularities in testing protocol, poor sample handling procedures or laboratory errors. Yukon-Nevada Corporation - Jeritt Canyon Mine (formerly Queenstake Resources) did not test in 2008 due to the temporary NDEP ordered shutdown of the facility.

### CY 2007 Cumulative Totals

<table>
<thead>
<tr>
<th>Process Emissions (lbs/yr)</th>
<th>Co-Product (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,764.52</td>
<td>97.68</td>
</tr>
</tbody>
</table>

Co-product: 195,360 lbs/yr

FRM testing methodology (Method 29) with scattered M101A and OHM results used in lieu of M29 due to test schedule conflicts/logistics issues. Testing protocols were reviewed prior to test commencement and all final report submittals were reviewed to ensure reporting accuracy.

### CY 2006 Cumulative Totals

<table>
<thead>
<tr>
<th>Process Emissions (lbs/yr)</th>
<th>Co-Product (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,468.15</td>
<td>133.26</td>
</tr>
</tbody>
</table>

Co-product: 266,520 lbs/yr

CY 2006 process emissions and co-product values were accepted "as submitted" due to variability in testing methodology, emission calculation methods and/or the lack of current FRM test results.

#### Note:

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