| | B | C |
|---|---|---|
| 1 | **Source Description** | |
| 2 | | |
| 3 | Phase I ID No. | 503 |
| 4 | EPA ID No. | MO4213820489 |
| 5 | Facility Name | Lake City Army Ammunition Plant |
| 6 | Facility Location | |
| 7 | City | Independence |
| 8 | State | MO |
| 9 | Unit ID Name/No. | Explosive Waste Incinerator APE 1236 |
| 10 | Other Sister Facilities | |
| 11 | Number of Sister Facilities | 0 |
| 12 | Combustor Class | Onsite Incinerator, government, munitions popping |
| 13 | Combustor Type | Rotary kiln |
| 14 | Combustor Characteristics | Rotary kiln (30 ft long, 30 in ID), afterburner |
| 15 | Capacity (MMBtu/hr) | |
| 16 | Soot Blowing | |
| 17 | APCS Detailed Acronym | AB/HTHE/LTHE/C/FF |
| 18 | APCS General Class | HE,C,FF |
| 19 | APCS Characteristics | High temperature heat exchanger (800F), low temperature heat exchanger (300F), cyclone, fabric filter (2 compartments, 1,414 ft2 / compartment, A/C 4.5:1, Nomex fabric, pulse jet cleaning), after burner. |
| 20 | Hazardous Wastes | Solid, liq |
| 21 | Haz Waste Description | Off-specification or obsolete ammunitions and explosive wastes |
| 22 | Supplemental Fuel | Natural gas, oil |
| 23 | | fuel oil |
| 24 | Stack Characteristics | |
| 25 | Diameter (ft) | 2.50 |
| 26 | Height (ft) | 30.0 |
| 27 | Gas Velocity (ft/sec) | 46.2 |
| 28 | Gas Temperature (°F) | 230 |
| 29 | | |
| 30 | Permitting Status | Tier III for Sb, As, Ba, Be, Cd, Cr, Pb, Hg, Ag, Tl |
| 31 | HWC Burn Status (Date if Terminated) | |

| | B | C |
|---|---|---|
| 1 | **Condition Description** | |
| 2 | | |
| 3 | **503C10** | |
| 4 | | |
| 5 | Report Name/Date | 3rd Trial Burn Program, Lake City Army Ammunition Plant, Explosive Waste Incinerator, Olin Corporation, Independence, Missouri, TRC Projection No. 17791, January 1996 |
| 6 | Report Prepare | TRC Environmental Corporation |
| 7 | Testing Firm | TRC Environmental Corporation |
| 8 | Testing Dates | Nov 28-29, 1995 |
| 9 | Cond Dates | Nov-95 |
| 10 | Condition Descr | Trial burn, 5.56mm M855 SAWS feed, max metal feed |
| 11 | Content | PM, metals, CO, no feedrate info |
| 12 | | |
| 13 | **503C11** | |
| 14 | | |
| 15 | Report Name/Date | 3rd Trial Burn Program, Lake City Army Ammunition Plant, Explosive Waste Incinerator, Olin Corporation, Independence, Missouri, TRC Projection No. 17791, January 1996 |
| 16 | Report Prepare | TRC Environmental Corporation |
| 17 | Testing Firm | TRC Environmental Corporation |
| 18 | Testing Dates | Nov. 29-30, 1995 |
| 19 | Cond Dates | Nov-95 |
| 20 | Condition Descr | Trial burn, 20mm M56 HEI feed, max metal feed |
| 21 | Content | PM, metals, CO, no feedrate info |
| 22 | | |
| 23 | **503C12** | |
| 24 | | |
| 25 | Report Name/Date | APE 1236 Explosive Waste Incinerator Risk Burn Report |
| 26 | Report Prepare | TRC Environmental Corporation |
| 27 | Testing Firm | |
| 28 | Testing Dates | April 19-24, 1999 |
| 29 | Cond Dates | Apr-99 |
| 30 | Condition Descr | Risk burn, 0.50 cal M17 feed |
| 31 | Content | PM, HCl/Cl2, CO, PCDD/F |
| 32 | | |
| 33 | **503C1** | |
| 34 | | |
| 35 | Report Name/Date | Trial Burn Report for Explosive Waste Incinerator at Lake City Army Ammunition Plant, Independence, Missouri, March 1993 |
| 36 | Report Prepare | |
| 37 | Testing Firm | |
| 38 | Cond Descr | Trial burn,High Waste Feed |
| 39 | Testing Dates | |
| 40 | Cond Dates | Mar-93 |
| 41 | | |
| 42 | **503C2** | |
| 43 | | |
| 44 | Report Name/Date | Trial Burn Report for Explosive Waste Incinerator at Lake City Army Ammunition Plant, Independence, Missouri, March 1993 |
| 45 | Report Prepare | |
| 46 | Testing Firm | |
| 47 | Cond Descr | Trial burn,Low Waste Feed |
| 48 | Testing Dates | |
| 49 | Cond Dates | Mar-93 |
| 50 | | |
| 51 | **503C3** | |
| 52 | | |
| 53 | Report Name/Date | Air Pollution Emission Assessment # 42-21-0475-91, Trial Burn for Deactivation Furnace Building 97, Lake City Army Ammunition plant, Independence, Missouri, February 19- March 6, 1991 |
| 54 | Report Prepare | |
| 55 | Testing Firm | |
| 56 | Cond Descr | Trial burn, 20MM M96 Projectile Feed |
| 57 | Testing Dates | Feb 26-28, 1991 |
| 58 | Cond Dates | May-91 |
| 59 | | |
| 60 | **503C4** | |
| 61 | | |

| | B | C |
|---|---|---|
| 62 | Report Name/Date | Air Pollution Emission Assessment # 42-21-0475-91, Trial Burn for Deactivation Furnace Building 97, Lake City Army Ammunition plant, Independence, Missouri, February 19- March 6, 1991 |
| 63 | Report Prepare | |
| 64 | Testing Firm | |
| 65 | Cond Descr | Trial burn, FA-965 Primer Feed |
| 66 | Testing Dates | Feb 27- March 4, 1991 |
| 67 | Cond Dates | May-91 |
| 68 | | |
| 69 | **503C5** | |
| 70 | | |
| 71 | Report Name/Date | Air Pollution Emission Assessment # 42-21-0475-91, Trial Burn for Deactivation Furnace Building 97, Lake City Army Ammunition plant, Independence, Missouri, February 19- March 6, 1991 |
| 72 | Report Prepare | |
| 73 | Testing Firm | |
| 74 | Cond Descr | Trial burn, HI SKOR 700X Propellant Feed |
| 75 | Testing Dates | Feb 23-26, 1991 |
| 76 | Cond Dates | May-91 |
| 77 | | |
| 78 | **503C6** | |
| 79 | | |
| 80 | Report Name/Date | Air Pollution Emission Assessment # 42-21-0475-91, Trial Burn for Deactivation Furnace Building 97, Lake City Army Ammunition plant, Independence, Missouri, February 19- March 6, 1991 |
| 81 | Report Prepare | |
| 82 | Testing Firm | |
| 83 | Cond Descr | Trial Burn, IMR 5010 Propellant Feed |
| 84 | Testing Dates | Feb 23 - March 4, 1991 |
| 85 | Cond Dates | May-91 |

| | B | C | D | E | F | G | H | I | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **Stack Gas Emissions 1** | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | Comments | Units | 7% O2 | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | **503C10** | | | | | R1 | | R2 | | R3 | | Cond Avg |
| 6 | | | | | | | | | | | | |
| 7 | PM | E1 | gr/dscf | y | | 0.0008 | | 0.0009 | | 0.002 | | 0.0012 |
| 8 | CO (RA) | E1 | ppmv | y | | 60.6 | | 73.8 | | 10.2 | | 48.20 |
| 9 | | | | | | | | | | | | |
| 10 | Antimony | | g/dscm | n | | 2.27E-05 | | 1.64E-05 | | 1.81E-05 | | |
| 11 | Arsenic | | g/dscm | n | nd | 3.25E-05 | nd | 3.16E-05 | nd | 3.02E-05 | | |
| 12 | Barium | | g/dscm | n | | 3.27E-05 | | 1.49E-05 | | 2.12E-05 | | |
| 13 | Beryllium | | g/dscm | n | nd | 3.25E-07 | nd | 3.16E-07 | nd | 3.02E-07 | | |
| 14 | Cadmium | | g/dscm | n | nd | 8.12E-07 | nd | 7.89E-07 | nd | 1.04E-06 | | |
| 15 | Chromium | | g/dscm | n | | 3.12E-06 | | 2.90E-06 | | 3.26E-06 | | |
| 16 | Lead | | g/dscm | n | | 2.67E-04 | | 2.09E-04 | | 1.78E-04 | | |
| 17 | Mercury | | g/dscm | n | | 2.06E-05 | | 1.37E-05 | | 1.69E-05 | | |
| 18 | Silver | | g/dscm | n | nd | 1.62E-06 | nd | 1.58E-06 | nd | 1.51E-06 | | |
| 19 | Thallium | | g/dscm | n | nd | 6.49E-05 | nd | 6.31E-05 | nd | 6.04E-05 | | |
| 20 | Chromium(Hex) | | g/dscm | n | | 4.41E-07 | | 1.10E-06 | | 7.76E-07 | | |
| 21 | | | | | | | | | | | | |
| 22 | Sampling Train | PM/Metals | E1 | | | | | | | | | |
| 23 | Stack Gas Flowrate | | dscfm | | | 4359 | | 4503 | | 4594 | | 4485.3 |
| 24 | O2 | | % | | | 15.15 | | 15.56 | | 15.24 | | 15.3 |
| 25 | Moisture | | % | | | 5.3 | | 4.4 | | 6 | | 5.2 |
| 26 | Temperature | | °F | | | 214 | | 213 | | 220 | | 215.7 |
| 27 | | | | | | | | | | | | |
| 28 | Sampling Train | Cr+6 | E2 | | | | | | | | | |
| 29 | Stack Gas Flowrate | | dscfm | | | 4805 | | 4878 | | 5004 | | 4896 |
| 30 | O2 | | % | | | | | | | | | |
| 31 | Moisture | | % | | | 5.7 | | 6.8 | | 7.3 | | 7 |
| 32 | Temperature | | °F | | | 208 | | 209 | | 217 | | 211 |
| 33 | | | | | | | | | | | | |
| 34 | Antimony | E1 | ug/dscm | y | | 54.3 | | 42.2 | | 44.0 | | 46.8 |
| 35 | Arsenic | E1 | ug/dscm | y | nd | 77.8 | nd | 81.3 | nd | 73.4 | | 77.5 |
| 36 | Barium | E1 | ug/dscm | y | | 78.3 | | 38.3 | | 51.5 | | 56.0 |
| 37 | Beryllium | E1 | ug/dscm | y | nd | 0.8 | nd | 0.8 | nd | 0.7 | | 0.8 |
| 38 | Cadmium | E1 | ug/dscm | y | nd | 1.9 | nd | 2.0 | nd | 2.5 | | 2.2 |
| 39 | Chromium | E1 | ug/dscm | y | | 7.5 | | 7.5 | | 7.9 | | 7.6 |
| 40 | Lead | E1 | ug/dscm | y | | 639.0 | | 537.9 | | 432.6 | | 536.5 |
| 41 | Mercury | E1 | ug/dscm | y | | 49.3 | | 35.3 | | 41.1 | | 41.9 |
| 42 | Silver | E1 | ug/dscm | y | nd | 3.9 | nd | 4.1 | nd | 3.7 | | 3.9 |
| 43 | Thallium | E1 | ug/dscm | y | nd | 155.3 | nd | 162.4 | nd | 146.8 | | 154.8 |
| 44 | Chromium (Hex) | E2 | ug/dscm | y | | 1.1 | | 2.8 | | 1.9 | | 1.9 |
| 45 | | | | | | | | | | | | |
| 46 | SVM | E1 | ug/dscm | y | | 640.9 | | 539.9 | | 435.2 | | 538.7 |
| 47 | LVM | E1 | ug/dscm | y | | 86.0 | | 89.6 | | 82.1 | | 85.9 |
| 48 | | | | | | | | | | | | |
| 49 | **503C11** | | | | | R1 | | R2 | | R3 | | Cond Avg |
| 50 | | | | | | | | | | | | |
| 51 | PM | E1 | gr/dscf | y | | 0.0022 | | 0.0045 | | 0.0024 | | 0.0030 |
| 52 | CO (RA) | E1 | ppmv | y | | 6.9 | | 45.9 | | 59.4 | | 37.40 |
| 53 | | | | | | | | | | | | |
| 54 | Antimony | | g/dscm | n | | 2.41E-05 | | 5.09E-05 | | 2.44E-05 | | |
| 55 | Arsenic | | g/dscm | n | nd | 3.02E-05 | nd | 2.92E-05 | nd | 2.85E-05 | | |
| 56 | Barium | | g/dscm | n | | 3.59E-05 | | 9.00E-05 | | 4.04E-05 | | |
| 57 | Beryllium | | g/dscm | n | nd | 3.02E-07 | nd | 2.92E-07 | nd | 2.85E-07 | | |
| 58 | Cadmium | | g/dscm | n | | 2.54E-06 | | 2.17E-05 | | 1.43E-05 | | |
| 59 | Chromium | | g/dscm | n | | 4.40E-06 | | 4.61E-06 | | 5.00E-06 | | |
| 60 | Lead | | g/dscm | n | | 2.65E-04 | | 6.43E-04 | | 2.59E-04 | | |
| 61 | Mercury | | g/dscm | n | | 1.11E-04 | | 1.32E-04 | | 1.09E-04 | | |
| 62 | Silver | | g/dscm | n | nd | 1.51E-06 | nd | 1.46E-06 | nd | 1.43E-06 | | |
| 63 | Thallium | | g/dscm | n | nd | 6.03E-05 | nd | 5.84E-05 | nd | 5.70E-05 | | |
| 64 | Chromium(Hex) | | g/dscm | n | | 6.32E-07 | | 1.04E-07 | | 6.44E-07 | | |
| 65 | | | | | | | | | | | | |
| 66 | Sampling Train | PM/Metals | E1 | | | | | | | | | |
| 67 | Stack Gas Flowrate | | dscfm | | | 4607 | | 4721 | | 4838 | | 4722.0 |
| 68 | O2 | | % | | | 14.17 | | 13.86 | | 14.14 | | 14.1 |
| 69 | Moisture | | % | | | 7.1 | | 6.7 | | 7.2 | | 7.0 |
| 70 | Temperature | | °F | | | 233 | | 235 | | 234 | | 234.0 |
| 71 | | | | | | | | | | | | |

| | B | C | D | E | F | G | H | I | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | Sampling Train | Cr+6 | E2 | | | | | | | | | |
| 73 | Stack Gas Flowrate | | dscfm | | | 4907 | | 5033 | | 5175 | | 5038 |
| 74 | O2 | | % | | | | | | | | | |
| 75 | Moisture | | % | | | 8.6 | | 8.1 | | 8.1 | | 8 |
| 76 | Temperature | | °F | | | 230 | | 219 | | 229 | | 226 |
| 77 | | | | | | | | | | | | |
| 78 | Antimony | E1 | ug/dscm | y | | 49.4 | | 99.8 | | 49.8 | | 66.3 |
| 79 | Arsenic | E1 | ug/dscm | y | nd | 61.9 | nd | 57.3 | nd | 58.2 | | 59.1 |
| 80 | Barium | E1 | ug/dscm | y | | 73.6 | | 176.5 | | 82.4 | | 110.8 |
| 81 | Beryllium | E1 | ug/dscm | y | nd | 0.6 | nd | 0.6 | nd | 0.6 | | 0.6 |
| 82 | Cadmium | E1 | ug/dscm | y | | 5.2 | | 42.5 | | 29.2 | | 25.6 |
| 83 | Chromium | E1 | ug/dscm | y | | 9.0 | | 9.0 | | 10.2 | | 9.4 |
| 84 | Lead | E1 | ug/dscm | y | | 543.2 | | 1260.8 | | 528.6 | | 777.5 |
| 85 | Mercury | E1 | ug/dscm | y | | 227.5 | | 258.8 | | 222.4 | | 236.3 |
| 86 | Silver | E1 | ug/dscm | y | nd | 3.1 | nd | 2.9 | nd | 2.9 | | 3.0 |
| 87 | Thallium | E1 | ug/dscm | y | nd | 123.6 | nd | 114.5 | nd | 116.3 | | 118.1 |
| 88 | Chromium (Hex) | E2 | ug/dscm | y | | 1.3 | | 0.2 | | 1.3 | | 0.9 |
| 89 | | | | | | | | | | | | |
| 90 | SVM | E1 | ug/dscm | y | | 548.4 | | 1303.3 | | 557.8 | | 803.2 |
| 91 | LVM | E1 | ug/dscm | y | | 71.5 | | 66.9 | | 68.9 | | 69.1 |
| 92 | | | | | | | | | | | | |
| 93 | **503C12** | **Trial Burn** | | | | R1 | | R2 | | R3 | | Cond Avg |
| 94 | | | | | | | | | | | | |
| 95 | PM | E1 | gr/dscf | y | | 0.0032 | | 0.0044 | | 0.0021 | | 0.0032 |
| 96 | CO (RA) | E1 | ppmv | y | | 16 | | 38 | | 14 | | 22.7 |
| 97 | CO (MHRA) | E1 | ppmv | y | | 19.3 | | 54.4 | | 19.3 | | 31.0 |
| 98 | | | | | | | | | | | | |
| 99 | HCl | | g/hr | n | | 3.62 | | 3.99 | | 3.87 | | |
| 100 | Cl2 | | g/hr | n | | 12.91 | | 13.86 | | 14.08 | | |
| 101 | | | | | | | | | | | | |
| 102 | Sampling Train | PM, HCl/Cl2 | E1 | | | | | | | | | |
| 103 | Stack Gas Flowrate | | dscfm | | | 3545 | | 3491.66667 | | 3676.66667 | | 3571.1 |
| 104 | O2 | | % | | | 15.4 | | 15.6 | | 16.3 | | 15.8 |
| 105 | Moisture | | % | | | 7.3 | | 7.2 | | 6.7 | | 7.1 |
| 106 | Temperature | | °F | | | 256 | | 268 | | 250 | | 258.0 |
| 107 | | | | | | | | | | | | |
| 108 | Sampling Train | PCDD/F | E2 | | | | | | | | | |
| 109 | Stack Gas Flowrate | | dscfm | | | 3536.7 | | 3498.3 | | 3593.3 | | 3542.8 |
| 110 | O2 | | % | | | 15.4 | | 15.6 | | 16.3 | | 15.8 |
| 111 | Moisture | | % | | | 7.1 | | 7 | | 6.7 | | 6.9 |
| 112 | Temperature | | °F | | | 256 | | 268 | | 249 | | 257.7 |
| 113 | | | | | | | | | | | | |
| 114 | HCl | E1 | ppmv | y | | 1.00 | | 1.16 | | 1.23 | | 1.13 |
| 115 | Cl2 | E1 | ppmv | y | | 1.84 | | 2.08 | | 2.31 | | 2.08 |
| 116 | Total Chlorine | E1 | ppmv | y | | 4.69 | | 5.33 | | 5.85 | | 5.29 |

| | B | C | D | E | F | G | H | I | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **Stack Gas Emissions 2** | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | **503C1** | | | | | R1 | | R2 | | R3 | | Cond Avg |
| 5 | | | | | | | | | | | | |
| 6 | PM | E2 | gr/dscf | y | | 0.0320 | | 0.0250 | | 0.0260 | | 0.0277 |
| 7 | Antimony | E1 | ug/dscm | y | | 773.7 | | 491.3 | | 491.4 | | 585.5 |
| 8 | Arsenic | E1 | ug/dscm | y | nd | 0.5 | nd | 0.5 | nd | 0.5 | 100 | 0.5 |
| 9 | Barium | E1 | ug/dscm | y | | 390.5 | | 385.3 | | 388.4 | | 388.1 |
| 10 | Beryllium | E1 | ug/dscm | y | nd | 0.2 | nd | 0.2 | nd | 0.2 | 100 | 0.2 |
| 11 | Cadmium | E1 | ug/dscm | y | | 11.7 | | 10.8 | | 9.0 | | 10.5 |
| 12 | Chromium | E1 | ug/dscm | y | | 47.4 | | 176.1 | | 112.5 | | 112.0 |
| 13 | Lead | E1 | ug/dscm | y | | 776.2 | | 788.7 | | 784.6 | | 783.2 |
| 14 | Mercury | E1 | ug/dscm | y | | 1.7 | | 0.9 | | 1.2 | | 1.3 |
| 15 | Silver | E1 | ug/dscm | y | | 0.1 | nd | 0.1 | nd | 0.1 | | 0.1 |
| 16 | Thallium | E1 | ug/dscm | y | nd | 0.5 | nd | 0.5 | nd | 0.5 | 100 | 0.5 |
| 17 | SVM | E1 | ug/dscm | y | | 787.9 | | 799.5 | | 793.6 | | 793.7 |
| 18 | LVM | E1 | ug/dscm | y | | 48.1 | | 176.9 | | 113.3 | | 112.8 |
| 19 | | | | | | | | | | | | |
| 20 | Sampling Train | Metals | E1 | | | | | | | | | |
| 21 | Stack Gas Flowrate | | dscfm | | | 3258.3 | | 3233.3 | | 3165.0 | | |
| 22 | O2 | | % | | | 16.3 | | 16.5 | | 16.5 | | |
| 23 | Moisture | | % | | | 5.1 | | 5.2 | | 5.0 | | |
| 24 | Temperature | | °F | | | 229.0 | | 231.0 | | 239.0 | | |
| 25 | | | | | | | | | | | | |
| 26 | Sampling Train | Particulate | E2 | | | | | | | | | |
| 27 | Stack Gas Flowrate | | dscfm | | | 3315.0 | | 3355.0 | | 3265.0 | | |
| 28 | O2 | | % | | | 16.3 | | 16.5 | | 16.5 | | |
| 29 | Moisture | | % | | | 5.4 | | 5.2 | | 4.8 | | |
| 30 | Temperature | | °F | | | 240.0 | | 235.0 | | 242.0 | | |
| 31 | | | | | | | | | | | | |
| 32 | **503C2** | | | | | R1 | | R2 | | R3 | | Cond Avg |
| 33 | | | | | | | | | | | | |
| 34 | PM | E2 | gr/dscf | y | | 0.0240 | | 0.0350 | | 0.0270 | | 0.0287 |
| 35 | Antimony | E1 | ug/dscm | y | | 324.8 | | 114.6 | | 216.0 | | 218.5 |
| 36 | Arsenic | E1 | ug/dscm | y | nd | 0.5 | nd | 0.5 | nd | 0.5 | 100 | 0.5 |
| 37 | Barium | E1 | ug/dscm | y | | 348.5 | | 124.8 | | 211.2 | | 228.2 |
| 38 | Beryllium | E1 | ug/dscm | y | nd | 0.2 | nd | 0.2 | nd | 0.2 | 100 | 0.2 |
| 39 | Cadmium | E1 | ug/dscm | y | | 2.3 | nd | 0.2 | nd | 0.2 | | 0.9 |
| 40 | Chromium | E1 | ug/dscm | y | | 1.2 | | 72.9 | | 50.6 | | 41.6 |
| 41 | Lead | E1 | ug/dscm | y | | 732.5 | | 878.9 | | 1283.9 | | 965.1 |
| 42 | Mercury | E1 | ug/dscm | y | | 4.9 | | 32.1 | | 98.9 | | 45.3 |
| 43 | Silver | E1 | ug/dscm | y | nd | 0.1 | nd | 0.1 | nd | 0.1 | 100 | 0.1 |
| 44 | Thallium | E1 | ug/dscm | y | nd | 0.5 | nd | 0.5 | nd | 0.5 | 100 | 0.5 |
| 45 | SVM | E1 | ug/dscm | y | | 734.8 | | 879.1 | | 1284.1 | | 966.0 |
| 46 | LVM | E1 | ug/dscm | y | | 1.9 | | 73.6 | | 51.4 | | 42.3 |
| 47 | | | | | | | | | | | | |
| 48 | Sampling Train | Metals | E1 | | | | | | | | | |
| 49 | Stack Gas Flowrate | | dscfm | | | 3153.3 | | 3056.7 | | 3115.0 | | |
| 50 | O2 | | % | | | 16.0 | | 16.2 | | 16.0 | | |
| 51 | Moisture | | % | | | 5.3 | | 5.7 | | 5.4 | | |
| 52 | Temperature | | °F | | | 228.0 | | 231.0 | | 235.0 | | |
| 53 | | | | | | | | | | | | |
| 54 | Sampling Train | Particulate | E2 | | | | | | | | | |
| 55 | Stack Gas Flowrate | | dscfm | | | 3151.7 | | 3111.7 | | 3113.3 | | |
| 56 | O2 | | % | | | 16.0 | | 16.2 | | 16.0 | | |
| 57 | Moisture | | % | | | 5.3 | | 5.3 | | 5.2 | | |
| 58 | Temperature | | °F | | | 232.0 | | 235.0 | | 238.0 | | |
| 59 | | | | | | | | | | | | |
| 60 | **503C3** | | | | | R1 | | R2 | | R3 | | Cond Avg |
| 61 | | | | | | | | | | | | |
| 62 | PM | E2 | gr/dscf | y | | 0.0423 | | 0.0496 | | 0.0392 | | 0.0437 |
| 63 | CO (RA) | E2 | ppmv | y | | 63.3 | | 68.6 | | 53.7 | | 61.9 |
| 64 | HC (RA) | E2 | ppmv | y | | 16.8 | | 16.5 | | 20.0 | | 17.8 |
| 65 | Antimony | | lb/hr | | | 7.40E-04 | | 6.82E-04 | | 6.91E-04 | | |
| 66 | Arsenic | | lb/hr | | | 2.87E-05 | | 2.81E-05 | | 2.78E-05 | | |
| 67 | Barium | | lb/hr | | | 1.31E-03 | | 8.89E-04 | | 2.73E-03 | | |
| 68 | Beryllium | | lb/hr | | | 5.56E-06 | | 5.62E-06 | | 5.57E-06 | | |
| 69 | Cadmium | | lb/hr | | | 1.25E-04 | | 1.57E-04 | | 9.13E-05 | | |
| 70 | Chromium | | lb/hr | | | 4.17E-05 | | 8.87E-05 | | 6.04E-04 | | |
| 71 | Lead | | lb/hr | | | 6.07E-03 | | 1.07E-02 | | 3.99E-03 | | |

| | B | C | D | E | F | G | H | I | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | Mercury | | lb/hr | | | 4.04E-05 | | 3.53E-05 | | 3.34E-04 | | |
| 73 | Silver | | lb/hr | | | 5.73E-05 | | 9.75E-05 | | 5.57E-05 | | |
| 74 | Thallium | | lb/hr | | | 5.56E-06 | | 5.62E-06 | | 5.57E-06 | | |
| 75 | | | | | | | | | | | | |
| 76 | Sampling Train | Metals | E1 | | | | | | | | | |
| 77 | Stack Gas Flowrate | | dscfm | | | 5176.0 | | 5280.0 | | 5056.0 | | |
| 78 | O2 | | % | | | 16.0 | | 16.0 | | 15.5 | | |
| 79 | Moisture | | % | | | 4.0 | | 4.0 | | 4.5 | | |
| 80 | Temperature | | °F | | | | | | | | | |
| 81 | | | | | | | | | | | | |
| 82 | Sampling Train | Particulate | E2 | | | | | | | | | |
| 83 | Stack Gas Flowrate | | dscfm | | | 5140.0 | | 5152.0 | | 4940.0 | | |
| 84 | O2 | | % | | | 16.0 | | 16.0 | | 15.5 | | |
| 85 | Moisture | | % | | | 3.9 | | 3.9 | | 4.6 | | |
| 86 | Temperature | | °F | | | | | | | | | |
| 87 | | | | | | | | | | | | |
| 88 | Antimony | E1 | ug/dscm | y | | 107.0 | | 96.7 | | 93.5 | | 99.1 |
| 89 | Arsenic | E1 | ug/dscm | y | | 4.2 | | 4.0 | | 3.8 | | 4.0 |
| 90 | Barium | E1 | ug/dscm | y | | 189.5 | | 126.1 | | 369.5 | | 228.3 |
| 91 | Beryllium | E1 | ug/dscm | y | | 0.8 | | 0.8 | | 0.8 | | 0.8 |
| 92 | Cadmium | E1 | ug/dscm | y | | 18.1 | | 22.3 | | 12.4 | | 17.6 |
| 93 | Chromium | E1 | ug/dscm | y | | 6.0 | | 12.6 | | 81.8 | | 33.5 |
| 94 | Lead | E1 | ug/dscm | y | | 878.0 | | 1517.1 | | 540.0 | | 978.4 |
| 95 | Mercury | E1 | ug/dscm | y | | 5.8 | | 5.0 | | 45.2 | | 18.7 |
| 96 | Silver | E1 | ug/dscm | y | | 8.3 | | 13.8 | | 7.5 | | 9.9 |
| 97 | Thallium | E1 | ug/dscm | y | | 0.8 | | 0.8 | | 0.8 | | 0.8 |
| 98 | SVM | E1 | ug/dscm | y | | 896.0 | | 1539.4 | | 552.4 | | 995.9 |
| 99 | LVM | E1 | ug/dscm | y | | 11.0 | | 17.4 | | 86.3 | | 38.2 |
| 100 | | | | | | | | | | | | |
| 101 | **503C4** | | | | | R1 | | R2 | | R3 | | Cond Avg |
| 102 | | | | | | | | | | | | |
| 103 | PM | E2 | gr/dscf | y | | 0.0532 | | 0.0613 | | 0.0525 | | 0.0557 |
| 104 | CO (RA) | E2 | ppmv | y | | 51.1 | | 35.6 | | 31.2 | | 39.3 |
| 105 | HC (RA) | E2 | ppmv | y | | 18.5 | | 18.1 | | 15.2 | | 17.2 |
| 106 | Antimony | | lb/hr | y | | 6.9E-04 | | 8.8E-04 | | 6.7E-04 | | |
| 107 | Arsenic | | lb/hr | y | | 2.8E-05 | | 2.8E-05 | | 2.8E-05 | | |
| 108 | Barium | | lb/hr | y | | 7.6E-04 | | 1.0E-03 | | 1.3E-03 | | |
| 109 | Beryllium | | lb/hr | y | | 5.5E-06 | | 5.6E-06 | | 5.6E-06 | | |
| 110 | Cadmium | | lb/hr | y | | 1.1E-04 | | 1.0E-04 | | 1.6E-04 | | |
| 111 | Chromium | | lb/hr | y | | 4.0E-05 | | 5.8E-05 | | 9.4E-05 | | |
| 112 | Lead | | lb/hr | y | | 6.9E-03 | | 6.9E-03 | | 4.7E-03 | | |
| 113 | Mercury | | lb/hr | y | | 3.1E-05 | | 7.4E-05 | | 3.6E-05 | | |
| 114 | Silver | | lb/hr | y | | 6.1E-05 | | 4.9E-05 | | 6.0E-05 | | |
| 115 | Thallium | | lb/hr | y | | 5.5E-06 | | 5.6E-06 | | 5.7E-06 | | |
| 116 | | | | | | | | | | | | |
| 117 | Sampling Train | Metals | E1 | | | | | | | | | |
| 118 | Stack Gas Flowrate | | dscfm | | | 5115.0 | | 5127.0 | | 5128.0 | | |
| 119 | O2 | | % | | | 16.5 | | 16.2 | | 16.2 | | |
| 120 | Moisture | | % | | | 3.5 | | 3.8 | | 3.7 | | |
| 121 | Temperature | | °F | | | | | | | | | |
| 122 | | | | | | | | | | | | |
| 123 | Sampling Train | Particulate | E2 | | | | | | | | | |
| 124 | Stack Gas Flowrate | | dscfm | | | 5091.0 | | 5163.0 | | 5138.0 | | |
| 125 | O2 | | % | | | 16.5 | | 16.2 | | 16.2 | | |
| 126 | Moisture | | % | | | 3.4 | | 3.6 | | 3.6 | | |
| 127 | Temperature | | °F | | | | | | | | | |
| 128 | | | | | | | | | | | | |
| 129 | Antimony | E1 | ug/dscm | y | | 113.0 | | 133.4 | | 101.1 | | 115.8 |
| 130 | Arsenic | E1 | ug/dscm | y | | 4.5 | | 4.2 | | 4.2 | | 4.3 |
| 131 | Barium | E1 | ug/dscm | y | | 124.4 | | 153.6 | | 202.3 | | 160.1 |
| 132 | Beryllium | E1 | ug/dscm | y | | 0.9 | | 0.8 | | 0.8 | | 0.9 |
| 133 | Cadmium | E1 | ug/dscm | y | | 17.4 | | 15.8 | | 24.3 | | 19.2 |
| 134 | Chromium | E1 | ug/dscm | y | | 6.5 | | 8.7 | | 14.3 | | 9.9 |
| 135 | Lead | E1 | ug/dscm | y | | 1124.7 | | 1043.4 | | 707.1 | | 958.4 |
| 136 | Mercury | E1 | ug/dscm | y | | 5.0 | | 11.2 | | 5.5 | | 7.2 |
| 137 | Silver | E1 | ug/dscm | y | | 9.9 | | 7.4 | | 9.2 | | 8.8 |
| 138 | Thallium | E1 | ug/dscm | y | | 0.9 | | 0.8 | | 0.9 | | 0.9 |
| 139 | SVM | E1 | ug/dscm | y | | 1142.1 | | 1059.3 | | 731.5 | | 977.6 |
| 140 | LVM | E1 | ug/dscm | y | | 12.0 | | 13.8 | | 19.4 | | 15.1 |
| 141 | | | | | | | | | | | | |
| 142 | **503C5** | | | | | R1 | | R2 | | R3 | | Cond Avg |

| | B | C | D | E | F | G | H | I | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | | | | | | | | | | | | |
| 144 | PM | E1 | gr/dscf | y | | 0.0194 | | 0.0700 | | 0.0846 | | 0.0580 |
| 145 | CO (RA) | E1 | ppmv | y | | 5.4 | | 25.4 | | 61.3 | | 30.7 |
| 146 | HC (RA) | E1 | ppmv | y | | 33.6 | | 14.6 | | 9.0 | | 19.1 |
| 147 | | | | | | | | | | | | |
| 148 | Sampling Train | Particulate | E1 | | | | | | | | | |
| 149 | Stack Gas Flowrate | | dscfm | | | 5168.0 | | 5092.0 | | 5139.0 | | |
| 150 | O2 | | % | | | 16.0 | | 16.0 | | 16.2 | | |
| 151 | Moisture | | % | | | 4.0 | | 3.8 | | 3.9 | | |
| 152 | Temperature | | °F | | | | | | | | | |
| 153 | | | | | | | | | | | | |
| 154 | Sampling Train | SVOC | E2 | | | | | | | | | |
| 155 | Stack Gas Flowrate | | dscfm | | | 5355.0 | | 5187.0 | | 5260.0 | | |
| 156 | O2 | | % | | | 16.0 | | 16.0 | | 16.2 | | |
| 157 | Moisture | | % | | | 4.0 | | 3.7 | | 3.8 | | |
| 158 | Temperature | | °F | | | | | | | | | |
| 159 | | | | | | | | | | | | |
| 160 | Nitroglycerine | E2 | % | | | 99.9987 | | 99.9979 | | 99.9975 | | |
| 161 | | | | | | | | | | | | |
| 162 | **503C6** | | | | | R1 | | R2 | | R3 | | Cond Avg |
| 163 | | | | | | | | | | | | |
| 164 | PM | E1 | gr/dscf | y | | 0.1120 | | 0.0552 | | 0.0729 | | 0.0800 |
| 165 | CO (RA) | E1 | ppmv | y | | 112.0 | | 47.8 | | 181.7 | | 113.8 |
| 166 | HC (RA) | E1 | ppmv | y | | 23.0 | | 9.1 | | 23.6 | | 18.6 |
| 167 | | | | | | | | | | | | |
| 168 | Sampling Train | Particulate | E1 | | | | | | | | | |
| 169 | Stack Gas Flowrate | | dscfm | | | 5316.0 | | 5203.0 | | 5082.0 | | |
| 170 | O2 | | % | | | 16.0 | | 15.9 | | 16.2 | | |
| 171 | Moisture | | % | | | 4.3 | | 4.0 | | 4.3 | | |
| 172 | Temperature | | °F | | | | | | | | | |
| 173 | | | | | | | | | | | | |
| 174 | Sampling Train | SVOC | E2 | | | | | | | | | |
| 175 | Stack Gas Flowrate | | dscfm | | | 5294.0 | | 5147.0 | | 5107.0 | | |
| 176 | O2 | | % | | | 16.0 | | 15.9 | | 16.2 | | |
| 177 | Moisture | | % | | | 4.2 | | 3.9 | | 4.0 | | |
| 178 | Temperature | | °F | | | | | | | | | |
| 179 | | | | | | | | | | | | |
| 180 | 2,4-Dinitrotoluene | DRE | % | | | 99.9982 | | 99.9986 | | 99.9986 | | |
| 181 | Diphenylamine | DRE | % | | | 99.9924 | | 99.9943 | | 99.9944 | | |

| | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **Feedstream 1** | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | **503C10** | | | | R1 | | R2 | | R3 | | Cond Avg | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | Feedstream Number | | | | F1 | | F1 | | F1 | | F1 | | | | | | | | |
| 7 | Feed Class | | | | Solid HW | | Solid HW | | Solid HW | | Solid HW | | | | | | | | |
| 8 | Feed Class 2 | | | | HW | | HW | | HW | | HW | | | | | | | | |
| 9 | Feedstream Description | | 5.56mm M855 SAWs | | | | 6mm M855 SAWs | | mm M855 SAWs | | 6mm M855 SAWs | | | | | | | | |
| 10 | Feed Rate | | lb/hr | | 338.4 | | 613.8 | | 325.8 | | 426 | | | | | | | | |
| 11 | Heating Value | | Btu/lb | | | | | | | | | | | | | | | | |
| 12 | Thermal Feedrate | | MMBtu/hr | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | **503C11** | | | | R1 | | R2 | | R3 | | Cond Avg | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | Feedstream Number | | | | F1 | | F1 | | F1 | | F1 | | | | | | | | |
| 17 | Feed Class | | | | Solid HW | | Solid HW | | Solid HW | | Solid HW | | | | | | | | |
| 18 | Feed Class 2 | | | | HW | | HW | | HW | | HW | | | | | | | | |
| 19 | Feedstream Description | | | | 20mm M56 HEI | | 20mm M56 HEI | | 20mm M56 HEI | | 20mm M56 HEI | | | | | | | | |
| 20 | Feed Rate | | lb/hr | | 12732 | | 12462 | | 13020 | | 12738 | | | | | | | | |
| 21 | Heating Value | | Btu/lb | | | | | | | | | | | | | | | | |
| 22 | Thermal Feedrate | | MMBtu/hr | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | **503C12** | | | | R1 | | R2 | | R3 | | Cond Avg | | R1 | | R2 | | R3 | | Cond Avg |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | Feedstream Number | | | | F1 | | F1 | | F1 | | F1 | | | | | | | | |
| 27 | Feed Class | | | | Solid HW | | Solid HW | | Solid HW | | Solid HW | | | | | | | | |
| 28 | Feed Class 2 | | | | HW | | HW | | HW | | HW | | Total | | Total | | Total | | Total |
| 29 | Feedstream Description | | | | 0.5 cal M17 | | 0.5 cal M17 | | 0.5 cal M17 | | 0.5 cal M17 | | | | | | | | |
| 30 | Feed Rate | | lb/hr | | 335.6 | | 284.5 | | 331.5 | | 317.2 | | 335.6 | | 284.5 | | 331.5 | | 317.2 |
| 31 | Heating Value | | Btu/lb | | | | | | | | | | | | | | | | |
| 32 | Ash | | lb/hr | | 57.1 | | 48.4 | | 56.4 | | | | 57.1 | | 48.4 | | 56.4 | | |
| 33 | Chlorine | | lb/hr | | 1.00 | | 0.80 | | 1.00 | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | | |
| 35 | Stack Gas Flowrate | | dscfm | | 3545 | | 3492 | | 3677 | | 3571 | | | | | | | | |
| 36 | Oxygen | | % | | 15 | | 16 | | 16 | | 16 | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | | | | |
| 38 | Thermal Feedrate | | MMBtu/hr | | | | | | | | | | | | | | | | |
| 39 | Estimated Firing Rate | | MMBtu/hr | | 6.3 | | 6.0 | | 5.5 | | 5.9 | | 6.3 | | 6.0 | | 5.5 | | 5.9 |
| 40 | | | | | | | | | | | | | | | | | | | |
| 41 | *Feedrate MTEC Calculations* | | | | | | | | | | | | | | | | | | |
| 42 | Ash | | mg/dscm | | 10767 | | 9609 | | 12217 | | 10864 | | 10767 | | 9609 | | 12217 | | 10864 |
| 43 | Chlorine | | ug/dscm | | 188557 | | 158822 | | 216618 | | 187999 | | 188557 | | 158822 | | 216618 | | 187999 |

| | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **Feedstream 2** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | **503C1** | | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Feedstream Number | | | F1 | | F1 | | F1 | | F2 | | F2 | | F2 | | F3 | | F3 | | F3 | | F4 | | F4 | | F4 | | F5 | |
| 7 | Feed Class | | | Liq HW | | Liq HW | | Liq HW | | Solid HW | | Solid HW | | Solid HW | | Solid HW | | Solid HW | | Solid HW | | Solid HW | | Solid HW | | Solid HW | | Solid HW | |
| 8 | Feed Class 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Feedstream Description | | | Liq waste | | | | | | PEP | | | | | | 20 MM M96 | | | | | | FA-956 | | | | | | Hi-Skor 70 | |
| 10 | Feedrate | | lb/hr | 2160 | | 2002 | | 2023 | | 8.24 | | 7.64 | | 7.72 | | | | | | | | | | | | | | | |
| 11 | Heating value | | Btu/lb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Ash | | wt % | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Antimony | | ppmw | 402.7 | | 404.6 | | 405.3 | | | | | | | | | | | | | | | | | | | | | |
| 14 | Barium | | ppmw | 629.5 | | 629.4 | | 632.7 | | | | | | | | | | | | | | | | | | | | | |
| 15 | Lead | | ppmw | 629.5 | | 629.4 | | 632.7 | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Gas flowrate | | | 3258.3 | | 3233.3 | | 3165.0 | | 3258.3 | | 3233.3 | | 3165.0 | | 3258.3 | | 3233.3 | | 3165.0 | | 3258.3 | | 3233.3 | | 3165.0 | | 3258.3 | |
| 18 | Oxygen | | | 16.3 | | 16.5 | | 16.5 | | 16.3 | | 16.5 | | 16.5 | | 16.3 | | 16.5 | | 16.5 | | 16.3 | | 16.5 | | 16.5 | | 16.3 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Estimated Firing Rate | | MMBtu/hr | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Feedrate MTECs | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | Antimony | | ug/dscm | 214019 | | 209784 | | 216960 | | | | | | | | | | | | | | | | | | | | | |
| 24 | Barium | | ug/dscm | 334559 | | 326331 | | 338669 | | | | | | | | | | | | | | | | | | | | | |
| 25 | Lead | | ug/dscm | 334559 | | 326331 | | 338669 | | | | | | | | | | | | | | | | | | | | | |
| 26 | SVM | | ug/dscm | 334559 | | 326331 | | 338669 | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | **503C2** | | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Feedstream Number | | | F1 | | F1 | | F1 | | F2 | | F2 | | F2 | | | | | | | | | | | | | | | |
| 31 | Feed Class | | | Liq HW | | Liq HW | | Liq HW | | Solid HW | | Solid HW | | Solid HW | | | | | | | | | | | | | | | |
| 32 | Feed Class 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | Feedstream Description | | | Liq waste | | | | | | PEP | | | | | | 20 MM M96 | | | | | | FA-956 | | | | | | Hi-Skor 70 | |
| 34 | Feedrate | | lb/hr | 894.94 | | 996.69 | | 903.68 | | 136.57 | | 147.52 | | 137.9 | | | | | | | | | | | | | | | |
| 35 | Heating value | | Btu/lb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | Ash | | wt % | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | Antimony | | ppmw | 2536.5 | | 2458.1 | | 2534.1 | | | | | | | | | | | | | | | | | | | | | |
| 38 | Barium | | ppmw | 324.0 | | 311.0 | | 320.9 | | | | | | | | | | | | | | | | | | | | | |
| 39 | Lead | | ppmw | 324.0 | | 311.0 | | 320.9 | | | | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | Gas flowrate | | | 3153.3 | | 3056.7 | | 3115.0 | | | | | | | | | | | | | | | | | | | | | |
| 42 | Oxygen | | | 16.0 | | 16.2 | | 16.0 | | | | | | | | | | | | | | | | | | | | | |
| 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | Estimated Firing Rate | MMBtu/hr | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | Feerate MTECs | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | Antimony | | ug/dscm | 538930 | | 625062 | | 550369 | | | | | | | | | | | | | | | | | | | | | |
| 48 | Barium | | ug/dscm | 68850 | | 79089 | | 69697 | | | | | | | | | | | | | | | | | | | | | |
| 49 | Lead | | ug/dscm | 68850 | | 79089 | | 69697 | | | | | | | | | | | | | | | | | | | | | |
| 50 | SVM | | ug/dscm | 68850 | | 79089 | | 69697 | | | | | | | | | | | | | | | | | | | | | |
| 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | **503C3** | | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | |
| 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | Feedstream Number | | | F1 | | F1 | | F1 | | | | | | | | F2 | | F2 | | F2 | | | | | | | | | |
| 55 | Feed Class | | | Liq HW | | Liq HW | | Liq HW | | | | | | | | Solid HW | | Solid HW | | Solid HW | | | | | | | | | |
| 56 | Feed Class 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | Feedstream Description | | | Liq waste | | | | | | PEP | | | | | | 20 MM M96 | | | | | | FA-956 | | | | | | Hi-Skor 70 | |
| 58 | Feedrate | | lb/hr | | | | | | | | | | | | | 579 | | 568 | | 483 | | | | | | | | | |
| 59 | Heating value | | Btu/lb | | | | | | | | | | | | | 137000 | | 137000 | | 137000 | | | | | | | | | |
| 60 | Ash | | wt % | | | | | | | | | | | | | 0 | | 0 | | 0 | | | | | | | | | |

| | B | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **Feedstream 2** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | **503C1** | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | Cond Avg | | R1 | | R2 | | R3 | | Cond Avg | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Feedstream Number | F5 | | F5 | | F6 | | F6 | | F6 | | F7 | | F7 | | F7 | | F7 | | | | | | | | | |
| 7 | Feed Class | Solid HW | | Solid HW | | Solid HW | | Solid HW | | Solid HW | | Total | | Total | | Total | | Total | | | | | | | | | |
| 8 | Feed Class 2 | | | | | | | | | | | Total | | Total | | Total | | Total | | HW | | HW | | HW | | HW | |
| 9 | Feedstream Descriptio | X | | | | IMR 5010 | | | | | | Total | | | | | | | | | | | | | | | |
| 10 | Feedrate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Heating value | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Ash | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Antimony | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Barium | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Lead | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Gas flowrate | 3233.3 | | 3165.0 | | 3258.3 | | 3233.3 | | 3165.0 | | 3258.3 | | 3233.3 | | 3165.0 | | 3218.9 | | | | | | | | | |
| 18 | Oxygen | 16.5 | | 16.5 | | 16.3 | | 16.5 | | 16.5 | | 16.3 | | 16.5 | | 16.5 | | 16.5 | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Estimated Firing Rate | | | | | | | | | | | 4.83 | | 4.59 | | 4.49 | | 4.64 | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Feedrate MTECs | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | Antimony | | | | | | | | | | | 214019 | | 209784 | | 216960 | | 213588 | | 214019 | | 209784 | | 216960 | | 214019 | |
| 24 | Barium | | | | | | | | | | | 334559 | | 326331 | | 338669 | | 333186 | | 334559 | | 326331 | | 338669 | | 334559 | |
| 25 | Lead | | | | | | | | | | | 334559 | | 326331 | | 338669 | | 333186 | | 334559 | | 326331 | | 338669 | | 334559 | |
| 26 | SVM | | | | | | | | | | | 334559 | | 326331 | | 338669 | | 333186 | | 334559 | | 326331 | | 338669 | | 334559 | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | **503C2** | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | Cond Avg | | R1 | | R2 | | R3 | | Cond Avg | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Feedstream Number | | | | | | | | | | | F3 | | F3 | | F3 | | F3 | | | | | | | | | |
| 31 | Feed Class | | | | | | | | | | | Total | | Total | | Total | | Total | | | | | | | | | |
| 32 | Feed Class 2 | | | | | | | | | | | Total | | Total | | Total | | Total | | HW | | HW | | HW | | HW | |
| 33 | Feedstream Descriptio | X | | | | IMR 5010 | | | | | | Total | | | | | | | | | | | | | | | |
| 34 | Feedrate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | Heating value | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | Ash | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | Antimony | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | Barium | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | Lead | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | Gas flowrate | | | | | | | | | | | 3153.3 | | 3056.7 | | 3115.0 | | 3108.3 | | | | | | | | | |
| 42 | Oxygen | | | | | | | | | | | 16.0 | | 16.2 | | 16.0 | | 16.1 | | | | | | | | | |
| 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | Estimated Firing Rate | | | | | | | | | | | 5.01 | | 4.66 | | 4.94 | | 4.87 | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | Feerate MTECs | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | Antimony | | | | | | | | | | | 538930 | | 625062 | | 550369 | | 571453 | | 538930 | | 625062 | | 550369 | | 538930 | |
| 48 | Barium | | | | | | | | | | | 68850 | | 79089 | | 69697 | | 72546 | | 68850 | | 79089 | | 69697 | | 68850 | |
| 49 | Lead | | | | | | | | | | | 68850 | | 79089 | | 69697 | | 72546 | | 68850 | | 79089 | | 69697 | | 68850 | |
| 50 | SVM | | | | | | | | | | | 68850 | | 79089 | | 69697 | | 72546 | | 68850 | | 79089 | | 69697 | | 68850 | |
| 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | **503C3** | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | Cond Avg | | R1 | | R2 | | R3 | | Cond Avg | |
| 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | Feedstream Number | | | | | | | | | | | F3 | | F3 | | F3 | | F3 | | | | | | | | | |
| 55 | Feed Class | | | | | | | | | | | Total | | Total | | Total | | Total | | | | | | | | | |
| 56 | Feed Class 2 | | | | | | | | | | | Total | | Total | | Total | | Total | | HW | | HW | | HW | | HW | |
| 57 | Feedstream Descriptio | X | | | | IMR 5010 | | | | | | Total | | | | | | | | | | | | | | | |
| 58 | Feedrate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | Heating value | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | Ash | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | Antimony | | ppmw | | | | | | | | | | | | | 45.8 | | 45.8 | | 45.8 | | | | | | | | | |
| 62 | Lead | | ppmw | | | | | | | | | | | | | 81.9 | | 81.9 | | 82.0 | | | | | | | | | |
| 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | Gas flowrate | | | | | | | | | | | | | | | 5176 | | 5280 | | 5056 | | | | | | | | | |
| 65 | Oxygen | | | | | | | | | | | | | | | 16 | | 16 | | 15.53 | | | | | | | | | |
| 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | Estimated Firing Rate | | MMBtu/hr | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | Feerate MTECs | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | Antimony | | ug/dscm | | | | | | | | | | | | | 3833 | | 3687 | | 2991 | | | | | | | | | |
| 71 | Lead | | ug/dscm | | | | | | | | | | | | | 6856 | | 6593 | | 5360 | | | | | | | | | |
| 72 | SVM | | ug/dscm | | | | | | | | | | | | | 6856 | | 6593 | | 5360 | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | **503C4** | | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | Feedstream Number | | | F1 | | F1 | | F1 | | | | | | | | | | | | | | F2 | | F2 | | F2 | | | |
| 78 | Feed Class | | | Liq HW | | Liq HW | | Liq HW | | | | | | | | | | | | | | Solid HW | | Solid HW | | Solid HW | | | |
| 79 | Feed Class 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | Feedstream Description | | | Liq waste | | | | | | PEP | | | | | | 20 MM M96 | | | | | | FA-956 | | | | | | Hi-Skor 70 | |
| 81 | Feedrate | | lb/hr | | | | | | | | | | | | | | | | | | | 90 | | 133 | | 146 | | | |
| 82 | Heating value | | Btu/lb | | | | | | | | | | | | | | | | | | | 137000 | | 137000 | | 137000 | | | |
| 83 | Ash | | wt % | | | | | | | | | | | | | | | | | | | 0 | | 0 | | 0 | | | |
| 84 | Antimony | | ppmw | | | | | | | | | | | | | | | | | | | 13666.7 | | 13609.0 | | 13630.1 | | | |
| 85 | Barium | | ppmw | | | | | | | | | | | | | | | | | | | 21333.3 | | 21353.4 | | 21301.4 | | | |
| 86 | Lead | | ppmw | | | | | | | | | | | | | | | | | | | 21333.3 | | 21278.2 | | 21301.4 | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | Gas flowrate | | | | | | | | | | | | | | | | | | | | | 5115.0 | | 5127.0 | | 5128.0 | | | |
| 89 | Oxygen | | | | | | | | | | | | | | | | | | | | | 16.5 | | 16.2 | | 16.2 | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | Estimated Firing Rate | MMBtu/hr | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | Feerate MTECs | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | Antimony | | ug/dscm | | | | | | | | | | | | | | | | | | | 201372 | | 275309 | | 302629 | | | |
| 95 | Barium | | ug/dscm | | | | | | | | | | | | | | | | | | | 314336 | | 431976 | | 472952 | | | |
| 96 | Lead | | ug/dscm | | | | | | | | | | | | | | | | | | | 314336 | | 430455 | | 472952 | | | |
| 97 | SVM | | ug/dscm | | | | | | | | | | | | | | | | | | | 314336 | | 430455 | | 472952 | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | **503C5** | | | | | | | | | | | | | | | | | | | | | | | | | | | R1 | |
| 100 | Feedstream Number | | | | | | | | | | | | | | | | | | | | | | | | | | | F1 | |
| 101 | Feed Class | | | | | | | | | | | | | | | | | | | | | | | | | | | Solid HW | |
| 102 | Feed Class 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 103 | Feedstream Description | | | | | | | | | | | | | | | | | | | | | | | | | | | Hi-Skor 70 | |
| 104 | Feedrate | | lb/hr | | | | | | | | | | | | | | | | | | | | | | | | | 43 | |
| 105 | Heating value | | Btu/lb | | | | | | | | | | | | | | | | | | | | | | | | | 137000 | |
| 106 | Ash | | wt % | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 107 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 108 | **503C6** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 109 | Feedstream Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | Feed Class | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 111 | Feedstream Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112 | Feedrate | | lb/hr | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 113 | Heating value | | Btu/lb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 114 | Ash | | wt % | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | B | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | Antimony | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | Lead | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | Gas flowrate | | | | | | | | | | | 5176 | | 5280 | | 5056 | | 5170.7 | | | | | | | | | |
| 65 | Oxygen | | | | | | | | | | | 16 | | 16 | | 15.53 | | 15.8 | | | | | | | | | |
| 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | Estimated Firing Rate | | | | | | | | | | | 8.22 | | 8.38 | | 8.78 | | 8.46 | | | | | | | | | |
| 68 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | Feerate MTECs | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | Antimony | | | | | | | | | | | 3833 | | 3687 | | 2991 | | 3504 | | 3832.9 | | 3686.5 | | 2991.2 | | 7665.8 | |
| 71 | Lead | | | | | | | | | | | 6856 | | 6593 | | 5360 | | 6270 | | 6855.8 | | 6593.2 | | 5359.8 | | 13711.7 | |
| 72 | SVM | | | | | | | | | | | 6856 | | 6593 | | 5360 | | 6270 | | 6856 | | 6593 | | 5360 | | 13712 | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | **503C4** | R2 | | R3 | | R1 | | R2 | | R3 | | R1 | | R2 | | R3 | | Cond Avg | | R1 | | R2 | | R3 | | Cond Avg | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | Feedstream Number | | | | | | | | | | | F3 | | F3 | | F3 | | F3 | | | | | | | | | |
| 78 | Feed Class | | | | | | | | | | | Total | | Total | | Total | | Total | | | | | | | | | |
| 79 | Feed Class 2 | | | | | | | | | | | Total | | Total | | Total | | Total | | HW | | HW | | HW | | HW | |
| 80 | Feedstream Description | X | | | | IMR 5010 | | | | | | Total | | | | | | | | | | | | | | | |
| 81 | Feedrate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | Heating value | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | Ash | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | Antimony | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | Barium | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | Lead | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | Gas flowrate | | | | | | | | | | | 5115.0 | | 5127.0 | | 5128.0 | | 5123.3 | | | | | | | | | |
| 89 | Oxygen | | | | | | | | | | | 16.5 | | 16.2 | | 16.2 | | 16.3 | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | Estimated Firing Rate | | | | | | | | | | | 7.26 | | 7.81 | | 7.81 | | 7.63 | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | Feerate MTECs | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | Antimony | | | | | | | | | | | 201372 | | 275309 | | 302629 | | 259770 | | 201372 | | 275309 | | 302629 | | 402743 | |
| 95 | Barium | | | | | | | | | | | 314336 | | 431976 | | 472952 | | 406422 | | 314336 | | 431976 | | 472952 | | 628672 | |
| 96 | Lead | | | | | | | | | | | 314336 | | 430455 | | 472952 | | 405915 | | 314336 | | 430455 | | 472952 | | 628672 | |
| 97 | SVM | | | | | | | | | | | 314336 | | 430455 | | 472952 | | 405915 | | 314336 | | 430455 | | 472952 | | 628672 | (Pb Only) |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | **503C5** | R2 | | R3 | | | | | | | | | | | | | | | | R1 | | R2 | | R3 | | Cond Avg | |
| 100 | Feedstream Number | F1 | | F1 | | | | | | | | | | | | | | | | | | | | | | | |
| 101 | Feed Class | Solid HW | | Solid HW | | | | | | | | | | | | | | | | | | | | | | | |
| 102 | Feed Class 2 | | | | | | | | | | | | | | | | | | | HW | | HW | | HW | | HW | |
| 103 | Feedstream Description | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 104 | Feedrate | 40 | | 37 | | | | | | | | | | | | | | | | | | | | | | | |
| 105 | Heating value | 137000 | | 137000 | | | | | | | | | | | | | | | | | | | | | | | |
| 106 | Ash | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 107 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 108 | **503C6** | | | | | R1 | | R2 | | R3 | | | | | | | | | | | | | | | | | |
| 109 | Feedstream Number | | | | | F1 | | F1 | | F1 | | | | | | | | | | | | | | | | | |
| 110 | Feed Class | | | | | Solid HW | | Solid HW | | Solid HW | | | | | | | | | | | | | | | | | |
| 111 | Feedstream Description | | | | | IMR 5010 | | | | | | | | | | | | | | | | | | | | | |
| 112 | Feedrate | | | | | 151 | | 199 | | 194 | | | | | | | | | | | | | | | | | |
| 113 | Heating value | | | | | 137000 | | 137000 | | 137000 | | | | | | | | | | | | | | | | | |
| 114 | Ash | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | B | C | D | E | F | G |
|---|---|---|---|---|---|---|
| 1 | **Process Information** | | | | | |
| 2 | | | | | | |
| 3 | **503C10** | | | R1 | R2 | R3 |
| 4 | | | | | | |
| 5 | Retort Inlet Temperature | °F | | 456 | 452.4 | 433.1 |
| 6 | Retort Outlet Temperature | °F | | 767 | 837.9 | 758.5 |
| 7 | AF Temperature | °F | | 1369.2 | 1357.9 | 1369.3 |
| 8 | HTHE Temperature | °F | | 776 | 747.9 | 73.4 |
| 9 | LTHE Temperature | °F | | 282.6 | 281.4 | 281.8 |
| 10 | Baghouse Temperature | °F | | 242.5 | 246.1 | 246.9 |
| 11 | | | | | | |
| 12 | **503C11** | | | R1 | R2 | R3 |
| 13 | | | | | | |
| 14 | Retort Inlet Temperature | °F | | 443.7 | 431.8 | 475.2 |
| 15 | Retort Outlet Temperature | °F | | 1077.4 | 958.4 | 973.4 |
| 16 | AF Temperature | °F | | 1355.7 | 1366.8 | 1370.2 |
| 17 | HTHE Temperature | °F | | 769.8 | 800.9 | 805.9 |
| 18 | LTHE Temperature | °F | | 316.7 | 297.8 | 299.1 |
| 19 | Baghouse Temperature | °F | | 270 | 247.3 | 253.2 |
| 20 | | | | | | |
| 21 | **503C12** | | | R1 | R2 | R3 |
| 22 | | | | | | |
| 23 | Kiln FE Temp | °F | | 460 | 461 | 460 |
| 24 | Kiln PE Temp | °F | | 848 | 758 | 767 |
| 25 | Kiln Rotation | rpm | | 2.2 | 2 | 1.9 |
| 26 | AB Outlet Temp | °F | | 1366 | 1366 | 1366 |
| 27 | HTHE Outlet Temp | °F | | 750 | 746 | 747 |
| 28 | LTHE Outlet Temp | °F | | 337 | 339 | 338 |
| 29 | Baghouse Outlet Temp | °F | | 295 | 303 | 294 |
| 30 | Baghouse Pressure Diff. | in. H2O | | 3 | 3 | 3 |
| 31 | FE Draft Pressure | in. H2O | | -0.24 | -0.24 | -0.25 |

| | C | D | E | F | G |
|---|---|---|---|---|---|
| 1 | **Process Information 2** | | | | |
| 2 | | | | | |
| 3 | **503C1** | | R1 | R2 | R3 |
| 4 | | | | | |
| 5 | Kiln Temperature | F | 1005 | 1005 | 893 |
| 6 | Afterburner Temperature | F | 1350 | 1351 | 1350 |
| 7 | FF Temperature | F | 287 | 285 | 286 |
| 8 | LTHE Temperature | F | 321 | 321 | 320 |
| 9 | HTHE Temperature | F | 773 | 772 | 770 |
| 10 | | | | | |
| 11 | **503C2** | | R1 | R2 | R3 |
| 12 | | | | | |
| 13 | Kiln Temperature | F | 926 | 924 | 985 |
| 14 | Afterburner Temperature | F | 1406 | 1415 | 1401 |
| 15 | FF Temperature | F | 282 | 285 | 282 |
| 16 | LTHE Temperature | F | 321 | 323 | 317 |
| 17 | HTHE Temperature | F | 784 | 788 | 770 |
| 18 | | | | | |
| 19 | **503C3** | | R1 | R2 | R3 |
| 20 | | | | | |
| 21 | Kiln Temperature | F | 917 | 846 | 1053 |
| 22 | Afterburner Temperature | F | 1399 | 1400 | 1400 |
| 23 | FF Temperature | F | 264 | 264 | 264 |
| 24 | LTHE Temperature | F | 294 | 294 | 293 |
| 25 | HTHE Temperature | F | 805 | 846 | 801 |
| 26 | | | | | |
| 27 | **503C4** | | R1 | R2 | R3 |
| 28 | | | | | |
| 29 | Kiln Temperature | F | 694 | 853 | 684 |
| 30 | Afterburner Temperature | F | 1350 | 1350 | 1350 |
| 31 | FF Temperature | F | 263 | 264 | 265 |
| 32 | LTHE Temperature | F | 294 | 295 | 295 |
| 33 | HTHE Temperature | F | 801 | 853 | 800 |
| 34 | | | | | |
| 35 | **503C5** | | R1 | R2 | R3 |
| 36 | | | | | |
| 37 | Kiln Temperature | F | 712 | 652 | 724 |
| 38 | Afterburner Temperature | F | 1448 | 1449 | 1450 |
| 39 | FF Temperature | F | 267 | 264 | 262 |
| 40 | LTHE Temperature | F | 295 | 295 | 294 |
| 41 | HTHE Temperature | F | 832 | 828 | 806 |
| 42 | | | | | |
| 43 | **503C6** | | R1 | R2 | R3 |
| 44 | | | | | |
| 45 | Kiln Temperature | F | 732 | 667 | 722 |
| 46 | Afterburner Temperature | F | 1400 | 1400 | 1401 |
| 47 | FF Temperature | F | 265 | 256 | 267 |
| 48 | LTHE Temperature | F | 293 | 294 | 295 |
| 49 | HTHE Temperature | F | 803 | 804 | 804 |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | **PCDD/PCDF** | | | | | | | | | | | | | | | | |
| 2 | | N | | | | | | | | | | | | | | | | |
| 3 | | Facility Name and ID: | Lake City Army Ammunition Plant | | | | | | | | | | | | | | | |
| 4 | | Condition ID: | 503C12 | | | | | | | | | | | | | | | |
| 5 | | Condition/Test Date: | Risk burn, 0.50 cal M17 feed | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | I-TEF | | | Run 1 | | | | | Run 2 | | | | | Run 3 | | |
| 8 | | | Wght Fact | | Total | TEQ | Total | TEQ | | Total | TEQ | Total | TEQ | | Total | TEQ | Total | TEQ |
| 9 | | | | | Full ND | Full ND | 1/2 ND | 1/2 ND | | Full ND | Full ND | 1/2 ND | 1/2 ND | | Full ND | Full ND | 1/2 ND | 1/2 ND |
| 10 | | Detected in sample volume (pg) | | | | | | | | | | | | | | | | |
| 11 | | 2,3,7,8-TCDD | 1 | | | | | | | | | | | | | | | |
| 12 | | Total TCDD | 0 | | | | | | | | | | | | | | | |
| 13 | | 1,2,3,7,8-PCDD | 0.5 | | | | | | | | | | | | | | | |
| 14 | | Total PCDD | 0 | | | | | | | | | | | | | | | |
| 15 | | 1,2,3,4,7,8-HxCDD | 0.1 | | | | | | | | | | | | | | | |
| 16 | | 1,2,3,6,7,8-HxCDD | 0.1 | | | | | | | | | | | | | | | |
| 17 | | 1,2,3,7,8,9-HxCDD | 0.1 | | | | | | | | | | | | | | | |
| 18 | | Total HxCDD | 0 | | | | | | | | | | | | | | | |
| 19 | | 1,2,3,4,6,7,8-HpCDD | 0.01 | | 12.589 | 0.13 | 12.59 | 0.13 | | | | | | | | | | |
| 20 | | Total HpCDD | 0 | | | | | | | | | | | | | | | |
| 21 | | OCDD | 0.001 | | 85.246 | 0.09 | 85.25 | 0.09 | | 79.23 | 0.08 | 79 | 0.08 | | 69.721 | 0 | 70 | 0 |
| 22 | | 2,3,7,8-TCDF | 0.1 | | | | | | | | | | | | | | | |
| 23 | | Total TCDF | 0 | | | | | | | | | | | | | | | |
| 24 | | 1,2,3,7,8-PCDF | 0.05 | | | | | | | | | | | | | | | |
| 25 | | 2,3,4,7,8-PCDF | 0.5 | | | | | | | | | | | | | | | |
| 26 | | Total PCDF | 0 | | | | | | | | | | | | | | | |
| 27 | | 1,2,3,4,7,8-HxCDF | 0.1 | | | | | | | | | | | | | | | |
| 28 | | 1,2,3,6,7,8-HxCDF | 0.1 | | | | | | | | | | | | | | | |
| 29 | | 2,3,4,6,7,8-HxCDF | 0.1 | | | | | | | | | | | | | | | |
| 30 | | 1,2,3,7,8,9-HxCDF | 0.1 | | | | | | | | | | | | | | | |
| 31 | | Total HxCDF | 0 | | | | | | | | | | | | | | | |
| 32 | | 1,2,3,4,6,7,8-HpCDF | 0.01 | | | | | | | | | | | | | | | |
| 33 | | 1,2,3,4,7,8,9-HpCDF | 0.01 | | | | | | | | | | | | | | | |
| 34 | | Total HpCDF | 0 | | | | | | | | | | | | | | | |
| 35 | | OCDF | 0.001 | | 11.54 | 0.012 | 12 | 0.012 | | | | | | | | | | |
| 36 | | | | | | | | | | | | | | | | | | |
| 37 | | Gas sample volume (dscf) | | | | 107.595 | 107.595 | 107.595 | | | 111.863 | 111.863 | 111.863 | | | 105.134 | 105.134 | 105.134 |
| 38 | | O2 (%) | | | | 15.4 | 15.4 | 15.4 | | | 15.6 | 15.6 | 15.6 | | | 16.3 | 16.3 | 16.3 |
| 39 | | | | | | | | | | | | | | | | | | |
| 40 | | PCDD/PCDF (ng in sample) | | | | 0.0002 | | 0.0002 | | | 0.00008 | | 0.00008 | | | 0.00007 | | 0.00007 |
| 41 | | PCDD/PCDF (ng/dscm @ 7% O2) | | 0 | | 0.0002 | | 0.0002 | 0 | | 0.00006 | | 0.00006 | 0 | | 0.00007 | | 0.00007 |
| 42 | | | | | | | | | | | | | | | | | | |
| 43 | | TEQ Cond Avg | 0.0001 | | | | | | | | | | | | | | | |
| 44 | | Total Cond Avg | | | | | | | | | | | | | | | | |