

Poston-Brown, Martha

From: Lux, Jeff J <jlux@burnsmcd.com>
Sent: Thursday, August 23, 2018 8:29 AM
To: Kalman, Kenneth; J. Paul Davis; Guo, Lifeng
Cc: Halliburton, Bill; Hesemann, John; Gerald Williams (gwilliams@enercon.com); Charles Beatty; Jay Maisler; Ja-Kael Luey
Subject: Annual Environmental Monitoring Data
Attachments: 2018 Annual Environmental Data.xlsx

Attached please find the tabulated data from the 2018 annual environmental monitoring program. This sampling event is somewhat unique in that we have qualified a much larger number of the reported results based on our data review, and for the first time in a long time we have rejected some of the data (meaning it will not be reported when querying data using our EQulS database).

I'd be happy to provide you the basis for all of these qualifiers and rejections should you desire. If so, it would probably be best to send you the data review documents and discuss the data review process by phone.

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Cimarron Environmental Response Trust 2018 Annual Environmental Monitoring Data

| Sample No | Coll Date | Parameter | Lab Result | Uncertainty | Total Activity/ Concentration | Units | Lab or Data Review | MDL |
|-----------|------------|---------------------------|------------|-------------|----------------------------------|-------|--------------------------|-------|
| 02W06 | 06/12/2018 | Fluoride | 0.545 | 0.0212 | | MG/L | | 0.033 |
| 02W06 | 06/12/2018 | Nitrogen, Nitrate/Nitrite | ND | | | MG/L | U | 0.017 |
| 02W06 | 06/12/2018 | ALPHA | 256 | 17.8 | | PCI/L | J | 4.94 |
| 02W06 | 06/12/2018 | BETA | 90.7 | 5.88 | | PCI/L | | 2.82 |
| 02W06 | 06/12/2018 | Uranium-233/234 | 280 | 11.6 | | PCI/L | | 0.813 |
| 02W06 | 06/12/2018 | Uranium-235/236 | 17.3 | 3.23 | | PCI/L | | 0.742 |
| 02W06 | 06/12/2018 | Uranium-238 | 167 | 8.97 | 464 | PCI/L | | 0.825 |
| 02W06 | 06/12/2018 | Uranium-235 | 5.87 | 0.295 | | UG/L | | 0.1 |
| 02W06 | 06/12/2018 | Uranium-238 | 420 | 21 | 426 | UG/L | | 0.67 |
| 02W08 | 06/12/2018 | Fluoride | 0.465 | 0.019 | | MG/L | | 0.033 |
| 02W08 | 06/12/2018 | Nitrogen, Nitrate/Nitrite | ND | | | MG/L | U | 0.017 |
| 02W08 | 06/12/2018 | ALPHA | 71.1 | 7.83 | | PCI/L | | 4.57 |
| 02W08 | 06/12/2018 | BETA | 22.7 | 2.75 | | PCI/L | | 2.77 |
| 02W08 | 06/12/2018 | Uranium-233/234 | 46.9 | 3.59 | | PCI/L | | 0.723 |
| 02W08 | 06/12/2018 | Uranium-235/236 | 2.6 | 0.956 | | PCI/L | | 0.419 |
| 02W08 | 06/12/2018 | Uranium-238 | 33.4 | 3.02 | 82.9 | PCI/L | | 0.496 |
| 02W08 | 06/13/2018 | Uranium-235 | 0.126 | 0.00711 | | UG/L | R* | 0.01 |
| 02W08 | 06/13/2018 | Uranium-238 | 11.6 | 0.579 | 11.7 | UG/L | U R* | 0.067 |
| 02W08DUP | 06/12/2018 | Fluoride | 0.462 | 0.0189 | | MG/L | | 0.033 |
| 02W08DUP | 06/12/2018 | Nitrogen, Nitrate/Nitrite | ND | | | MG/L | U | 0.017 |
| 02W08DUP | 06/12/2018 | ALPHA | 64.3 | 7.28 | | PCI/L | | 4.14 |
| 02W08DUP | 06/12/2018 | BETA | 20.9 | 2.71 | | PCI/L | | 2.98 |
| 02W08DUP | 06/12/2018 | Uranium-233/234 | 49 | 3.58 | | PCI/L | | 0.644 |
| 02W08DUP | 06/12/2018 | Uranium-235/236 | 2.24 | 0.904 | | PCI/L | | 0.699 |
| 02W08DUP | 06/12/2018 | Uranium-238 | 30.5 | 2.83 | 81.7 | PCI/L | | 0.672 |
| 02W08DUP | 06/13/2018 | Uranium-235 | 0.119 | 0.00682 | | UG/L | R* | 0.01 |
| 02W08DUP | 06/13/2018 | Uranium-238 | 11.2 | 0.56 | 11.3 | UG/L | U R* | 0.067 |
| 02W09 | 06/13/2018 | Fluoride | 0.945 | 0.0334 | | MG/L | | 0.033 |
| 02W09 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | 0.0467 | | | MG/L | J | 0.017 |
| 02W09 | 06/13/2018 | ALPHA | 10.2 | 4.16 | | PCI/L | | 4.98 |
| 02W09 | 06/13/2018 | BETA | 2.31 | 2.18 | | PCI/L | U | 3.58 |
| 02W09 | 06/13/2018 | Uranium-233/234 | 3.24 | 1.28 | | PCI/L | | 0.975 |
| 02W09 | 06/13/2018 | Uranium-235/236 | 0.432 | 0.569 | | PCI/L | | 0.432 |

Cimarron Environmental Response Trust **2018 Annual Environmental Monitoring Data**

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| 02W09 | 06/13/2018 | Uranium-238 | 2.77 | 1.15 | 6.44 | PCI/L | | 0.559 |
| 02W09 | 06/13/2018 | Uranium-235 | 0.0444 | 0.004 | | UG/L | J | 0.01 |
| 02W09 | 06/13/2018 | Uranium-238 | 4.09 | 0.206 | 4.13 | UG/L | U | 0.067 |
| 02W16 | 06/12/2018 | Fluoride | 0.419 | 0.0178 | | MG/L | | 0.033 |
| 02W16 | 06/12/2018 | Nitrogen, Nitrate/Nitrite | 0.018 | | | MG/L | J | 0.017 |
| 02W16 | 06/12/2018 | ALPHA | 8.72 | 4.03 | | PCI/L | J | 4.94 |
| 02W16 | 06/12/2018 | BETA | 4 | 1.68 | | PCI/L | | 2.2 |
| 02W16 | 06/12/2018 | Uranium-233/234 | 6.58 | 1.54 | | PCI/L | | 0.712 |
| 02W16 | 06/12/2018 | Uranium-235/236 | 0.53 | 0.539 | | PCI/L | U | 0.534 |
| 02W16 | 06/12/2018 | Uranium-238 | 2.93 | 1.03 | 10.0 | PCI/L | | 0.499 |
| 02W16 | 06/12/2018 | Uranium-235 | 0.115 | 0.00662 | | UG/L | | 0.01 |
| 02W16 | 06/12/2018 | Uranium-238 | 9.74 | 0.487 | 9.9 | UG/L | | 0.067 |

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| 02W17 | 06/12/2018 | Fluoride | 0.39 | 0.017 | | MG/L | | 0.033 |
| 02W17 | 06/12/2018 | Nitrogen, Nitrate/Nitrite | ND | | | MG/L | U | 0.017 |
| 02W17 | 06/12/2018 | ALPHA | 23.6 | 6.55 | | PCI/L | | 4.98 |
| 02W17 | 06/12/2018 | BETA | 3.92 | 2.17 | | PCI/L | | 3.12 |
| 02W17 | 06/12/2018 | Uranium-233/234 | 11.3 | 1.96 | | PCI/L | | 0.894 |
| 02W17 | 06/12/2018 | Uranium-235/236 | 0.738 | 0.627 | | PCI/L | | 0.691 |
| 02W17 | 06/12/2018 | Uranium-238 | 8.83 | 1.7 | 20.9 | PCI/L | | 0.255 |
| 02W17 | 06/12/2018 | Uranium-235 | 0.257 | 0.0133 | | UG/L | | 0.01 |
| 02W17 | 06/12/2018 | Uranium-238 | 22.2 | 1.11 | 22.5 | UG/L | | 0.067 |
| 02W27 | 06/13/2018 | Fluoride | 0.557 | 0.0216 | | MG/L | | 0.033 |
| 02W27 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | 2.16 | | | MG/L | | 0.17 |
| 02W27 | 06/13/2018 | ALPHA | 188 | 13.9 | | PCI/L | | 4.98 |
| 02W27 | 06/13/2018 | BETA | 30.7 | 3.33 | | PCI/L | | 2.54 |
| 02W27 | 06/13/2018 | Uranium-233/234 | 75.6 | 4.77 | | PCI/L | | 0.509 |
| 02W27 | 06/13/2018 | Uranium-235/236 | 3.66 | 1.18 | | PCI/L | | 0.289 |
| 02W27 | 06/13/2018 | Uranium-238 | 42.8 | 3.59 | 122 | PCI/L | | 0.63 |
| 02W27 | 06/13/2018 | Uranium-235 | 1.91 | 0.0969 | | UG/L | | 0.05 |
| 02W27 | 06/13/2018 | Uranium-238 | 121 | 6.06 | 123 | UG/L | | 0.335 |
| 02W28 | 06/13/2018 | Fluoride | 0.75 | 0.0273 | | MG/L | | 0.033 |
| 02W28 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | ND | | | MG/L | U | 0.017 |
| 02W28 | 06/13/2018 | ALPHA | 155 | 13.1 | | PCI/L | | 4.92 |
| 02W28 | 06/13/2018 | BETA | 30 | 3.34 | | PCI/L | | 2.51 |
| 02W28 | 06/13/2018 | Uranium-233/234 | 88 | 6.06 | | PCI/L | | 0.876 |
| 02W28 | 06/13/2018 | Uranium-235/236 | 4.15 | 1.48 | | PCI/L | | 0.401 |
| 02W28 | 06/13/2018 | Uranium-238 | 53 | 4.71 | 145 | PCI/L | | 0.838 |
| 02W28 | 06/13/2018 | Uranium-235 | 1.95 | 0.0987 | | UG/L | | 0.05 |
| 02W28 | 06/13/2018 | Uranium-238 | 149 | 7.46 | 151 | UG/L | | 0.335 |
| 02W32 | 06/12/2018 | Fluoride | 1.12 | 0.039 | | MG/L | | 0.033 |
| 02W32 | 06/12/2018 | Nitrogen, Nitrate/Nitrite | ND | | | MG/L | U | 0.085 |
| 02W32 | 06/12/2018 | ALPHA | 74.6 | 10.6 | | PCI/L | | 4.76 |
| 02W32 | 06/12/2018 | BETA | 16.9 | 2.96 | | PCI/L | | 2.59 |
| 02W32 | 06/12/2018 | Uranium-233/234 | 42.6 | 3.86 | | PCI/L | | 0.685 |
| 02W32 | 06/12/2018 | Uranium-235/236 | 2.55 | 1.08 | | PCI/L | | 0.537 |

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| 02W32 | 06/12/2018 | Uranium-238 | 29 | 3.18 | 74.2 | PCI/L | | 0.272 |
| 02W32 | 06/13/2018 | Uranium-235 | 0.887 | 0.0474 | | UG/L | | 0.05 |
| 02W32 | 06/13/2018 | Uranium-238 | 70.6 | 3.53 | 71.5 | UG/L | | 0.067 |
| 02W35 | 06/12/2018 | Fluoride | 0.43 | 0.0181 | | MG/L | | 0.033 |
| 02W35 | 06/12/2018 | Nitrogen, Nitrate/Nitrite | ND | | | MG/L | U | 0.017 |
| 02W35 | 06/12/2018 | ALPHA | 9.48 | 4.32 | | PCI/L | | 4.87 |
| 02W35 | 06/12/2018 | BETA | 5.15 | 2.3 | | PCI/L | | 3.31 |
| 02W35 | 06/12/2018 | Uranium-233/234 | 7.53 | 1.59 | | PCI/L | | 0.618 |
| 02W35 | 06/12/2018 | Uranium-235/236 | 0.395 | 0.466 | | PCI/L | U | 0.504 |
| 02W35 | 06/12/2018 | Uranium-238 | 4.94 | 1.3 | 12.9 | PCI/L | | 0.561 |
| 02W35 | 06/12/2018 | Uranium-235 | 0.144 | 0.00794 | | UG/L | | 0.01 |
| 02W35 | 06/12/2018 | Uranium-238 | 13 | 0.649 | 13.1 | UG/L | | 0.067 |

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| 02W35DUP | 06/12/2018 | Fluoride | 0.433 | 0.0182 | | MG/L | | 0.033 |
| 02W35DUP | 06/12/2018 | Nitrogen, Nitrate/Nitrite | ND | | | MG/L | U | 0.017 |
| 02W35DUP | 06/12/2018 | ALPHA | 13.1 | 4.71 | | PCI/L | | 4.88 |
| 02W35DUP | 06/12/2018 | BETA | 5.8 | 2.04 | | PCI/L | | 2.66 |
| 02W35DUP | 06/12/2018 | Uranium-233/234 | 7.15 | 1.43 | | PCI/L | | 0.717 |
| 02W35DUP | 06/12/2018 | Uranium-235/236 | 1.09 | 0.64 | | PCI/L | | 0.48 |
| 02W35DUP | 06/12/2018 | Uranium-238 | 5.42 | 1.22 | 13.7 | PCI/L | | 0.429 |
| 02W35DUP | 06/12/2018 | Uranium-235 | 0.144 | 0.00794 | | UG/L | | 0.01 |
| 02W35DUP | 06/12/2018 | Uranium-238 | 12.7 | 0.636 | 12.8 | UG/L | | 0.067 |
| 02W42 | 06/13/2018 | Fluoride | 0.463 | 0.0189 | | MG/L | | 0.033 |
| 02W42 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | 1.68 | | | MG/L | | 0.085 |
| 02W42 | 06/13/2018 | ALPHA | 155 | 14.6 | | PCI/L | | 4.92 |
| 02W42 | 06/13/2018 | BETA | 40.1 | 4.19 | | PCI/L | | 2.6 |
| 02W42 | 06/13/2018 | Uranium-233/234 | 105 | 5.96 | | PCI/L | | 0.67 |
| 02W42 | 06/13/2018 | Uranium-235/236 | 6.17 | 1.63 | | PCI/L | | 0.605 |
| 02W42 | 06/13/2018 | Uranium-238 | 57.9 | 4.44 | 169 | PCI/L | | 0.54 |
| 02W42 | 06/13/2018 | Uranium-235 | 2.49 | 0.125 | | UG/L | | 0.05 |
| 02W42 | 06/13/2018 | Uranium-238 | 166 | 8.32 | 168 | UG/L | | 0.335 |
| 02W43 | 06/12/2018 | Fluoride | 0.436 | 0.0182 | | MG/L | | 0.033 |
| 02W43 | 06/12/2018 | Nitrogen, Nitrate/Nitrite | ND | | | MG/L | U | 0.085 |
| 02W43 | 06/12/2018 | ALPHA | 215 | 16.2 | | PCI/L | | 4.83 |
| 02W43 | 06/12/2018 | BETA | 48.4 | 4.4 | | PCI/L | | 3.16 |
| 02W43 | 06/12/2018 | Uranium-233/234 | 116 | 5.92 | | PCI/L | | 0.742 |
| 02W43 | 06/12/2018 | Uranium-235/236 | 9.38 | 1.89 | | PCI/L | | 0.538 |
| 02W43 | 06/12/2018 | Uranium-238 | 71.4 | 4.65 | 197 | PCI/L | | 0.518 |
| 02W43 | 06/12/2018 | Uranium-235 | 3.6 | 0.183 | | UG/L | | 0.1 |
| 02W43 | 06/12/2018 | Uranium-238 | 269 | 13.5 | 273 | UG/L | | 0.67 |
| 02W44 | 06/12/2018 | Fluoride | 0.561 | 0.0217 | | MG/L | | 0.033 |
| 02W44 | 06/12/2018 | Nitrogen, Nitrate/Nitrite | 0.0628 | | | MG/L | | 0.017 |
| 02W44 | 06/12/2018 | ALPHA | 132 | 10.2 | | PCI/L | | 3.14 |
| 02W44 | 06/12/2018 | BETA | 30.1 | 2.92 | | PCI/L | | 2.59 |
| 02W44 | 06/12/2018 | Uranium-233/234 | 76.5 | 4.43 | | PCI/L | | 0.62 |
| 02W44 | 06/12/2018 | Uranium-235/236 | 6.5 | 1.45 | | PCI/L | | 0.542 |

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| 02W44 | 06/12/2018 | Uranium-238 | 47.2 | 3.48 | 130 | PCI/L | | 0.492 |
| 02W44 | 06/13/2018 | Uranium-235 | 1.18 | 0.0615 | | UG/L | | 0.05 |
| 02W44 | 06/13/2018 | Uranium-238 | 95.5 | 4.77 | 96.7 | UG/L | | 0.067 |
| 1201 River | 06/13/2018 | Fluoride | 0.253 | 0.0139 | | MG/L | | 0.033 |
| 1201 River | 06/13/2018 | Nitrogen, Nitrate/Nitrite | ND | | | MG/L | U | 0.017 |
| 1201 River | 06/13/2018 | ALPHA | -19.8 | 18.2 | | PCI/L | U R* | 37.3 |
| 1201 River | 06/13/2018 | BETA | 13 | 16.8 | | PCI/L | U | 28.3 |
| 1201 River | 06/13/2018 | Uranium-233/234 | 1.28 | 0.882 | | PCI/L | | 1.18 |
| 1201 River | 06/13/2018 | Uranium-235/236 | 0.00458 | 0.339 | | PCI/L | U | 0.754 |
| 1201 River | 06/13/2018 | Uranium-238 | 1.21 | 0.738 | 2.49 | PCI/L | | 0.748 |
| 1201 River | 06/13/2018 | Uranium-235 | 0.0293 | 0.00364 | | UG/L | J | 0.01 |
| 1201 River | 06/13/2018 | Uranium-238 | 4.11 | 0.207 | 4.14 | UG/L | U | 0.067 |

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|-----------|------------|---------------------------|------------|-------------|----------------------------------|-------|--------------------------|-------|
| 1314 | 06/13/2018 | Fluoride | 0.276 | 0.0143 | | MG/L | | 0.033 |
| 1314 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | 1.33 | | | MG/L | | 0.085 |
| 1314 | 06/13/2018 | ALPHA | 4.47 | 3.27 | | PCI/L | U | 4.88 |
| 1314 | 06/13/2018 | BETA | 2.52 | 2.18 | | PCI/L | U | 3.54 |
| 1314 | 06/13/2018 | Uranium-233/234 | 1.31 | 0.683 | | PCI/L | | 0.652 |
| 1314 | 06/13/2018 | Uranium-235/236 | 0.0484 | 0.269 | | PCI/L | U | 0.515 |
| 1314 | 06/13/2018 | Uranium-238 | 0.566 | 0.447 | 1.92 | PCI/L | | 0.417 |
| 1314 | 06/13/2018 | Uranium-235 | ND | 0.00336 | | UG/L | U | 0.01 |
| 1314 | 06/13/2018 | Uranium-238 | 1.05 | 0.0572 | 1.05 | UG/L | | 0.067 |
| 1351 | 06/11/2018 | Fluoride | 0.444 | 0.0184 | | MG/L | | 0.033 |
| 1351 | 06/11/2018 | Nitrogen, Nitrate/Nitrite | 22.8 | | | MG/L | | 0.85 |
| 1351 | 06/11/2018 | ALPHA | 17.9 | 4.61 | | PCI/L | | 4.61 |
| 1351 | 06/11/2018 | BETA | 11.9 | 2.19 | | PCI/L | | 2.78 |
| 1351 | 06/11/2018 | Uranium-233/234 | 12.2 | 1.97 | | PCI/L | | 0.65 |
| 1351 | 06/11/2018 | Uranium-235/236 | 0.43 | 0.492 | | PCI/L | U | 0.614 |
| 1351 | 06/11/2018 | Uranium-238 | 2.93 | 0.986 | 15.6 | PCI/L | | 0.536 |
| 1351 | 06/11/2018 | Uranium-235 | 0.225 | 0.0117 | | UG/L | | 0.01 |
| 1351 | 06/11/2018 | Uranium-238 | 9.73 | 0.487 | 10.0 | UG/L | | 0.067 |
| 1352 | 06/11/2018 | Fluoride | 0.425 | 0.018 | | MG/L | | 0.033 |
| 1352 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | 34.3 | | | MG/L | | 0.85 |
| 1352 | 06/11/2018 | ALPHA | 62.7 | 6.95 | | PCI/L | | 4.74 |
| 1352 | 06/11/2018 | BETA | 19.5 | 2.37 | | PCI/L | | 2.33 |
| 1352 | 06/11/2018 | Uranium-233/234 | 34.1 | 3.24 | | PCI/L | | 0.66 |
| 1352 | 06/11/2018 | Uranium-235/236 | 2.06 | 0.902 | | PCI/L | | 0.294 |
| 1352 | 06/11/2018 | Uranium-238 | 24 | 2.71 | 60.2 | PCI/L | | 0.439 |
| 1352 | 06/13/2018 | Uranium-235 | 0.398 | 0.0202 | | UG/L | | 0.01 |
| 1352 | 06/13/2018 | Uranium-238 | 36.4 | 1.82 | 36.8 | UG/L | U | 0.067 |
| 1354 | 06/11/2018 | Fluoride | 0.408 | 0.0175 | | MG/L | | 0.033 |
| 1354 | 06/11/2018 | Nitrogen, Nitrate/Nitrite | 160 | | | MG/L | | 4.25 |
| 1354 | 06/11/2018 | ALPHA | 6.33 | 2.89 | | PCI/L | | 3.57 |
| 1354 | 06/11/2018 | BETA | 45.7 | 3.45 | | PCI/L | | 2.73 |
| 1354 | 06/11/2018 | Uranium-233/234 | 1.7 | 0.775 | | PCI/L | | 0.616 |
| 1354 | 06/11/2018 | Uranium-235/236 | 0.175 | 0.343 | | PCI/L | U | 0.476 |

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| 1354 | 06/11/2018 | Uranium-238 | 1.02 | 0.591 | 2.90 | PCI/L | | 0.385 |
| 1354 | 06/11/2018 | Uranium-235 | 0.0245 | 0.00355 | | UG/L | J | 0.01 |
| 1354 | 06/11/2018 | Uranium-238 | 2.99 | 0.151 | 3.01 | UG/L | | 0.067 |
| 1356 | 06/11/2018 | Fluoride | 0.373 | 0.0166 | | MG/L | | 0.033 |
| 1356 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | 5.22 | | | MG/L | | 0.17 |
| 1356 | 06/11/2018 | ALPHA | 579 | 20.6 | | PCI/L | | 4.7 |
| 1356 | 06/11/2018 | BETA | 83.9 | 4.47 | | PCI/L | | 2.58 |
| 1356 | 06/11/2018 | Uranium-233/234 | 290 | 10.9 | | PCI/L | | 0.658 |
| 1356 | 06/11/2018 | Uranium-235/236 | 20.9 | 3.28 | | PCI/L | | 0.731 |
| 1356 | 06/11/2018 | Uranium-238 | 115 | 6.88 | 426 | PCI/L | | 0.592 |
| 1356 | 06/13/2018 | Uranium-235 | 5.62 | 0.283 | | UG/L | | 0.1 |
| 1356 | 06/13/2018 | Uranium-238 | 276 | 13.8 | 282 | UG/L | | 0.67 |

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| MWWA-03 | 06/13/2018 | Fluoride | 10.1 | 0.34 | | MG/L | | 0.165 |
| MWWA-03 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | 27.1 | | | MG/L | | 0.85 |
| MWWA-03 | 06/11/2018 | ALPHA | 655 | 21 | | PCI/L | | 4.57 |
| MWWA-03 | 06/11/2018 | BETA | 190 | 6.28 | | PCI/L | | 2.89 |
| MWWA-03 | 06/11/2018 | Uranium-233/234 | 920 | 24.3 | | PCI/L | | 1.19 |
| MWWA-03 | 06/11/2018 | Uranium-235/236 | 52.5 | 6.45 | | PCI/L | | 0.617 |
| MWWA-03 | 06/11/2018 | Uranium-238 | 203 | 11.4 | 1176 | PCI/L | | 1.1 |
| MWWA-03 | 06/13/2018 | Uranium-235 | 21.9 | 1.11 | | UG/L | | 0.5 |
| MWWA-03 | 06/13/2018 | Uranium-238 | 579 | 29 | 601 | UG/L | | 0.67 |
| MWWA-09 | 06/13/2018 | Fluoride | 4.5 | 0.15 | | MG/L | | 0.033 |
| MWWA-09 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | 14.2 | | | MG/L | | 0.85 |
| MWWA-09 | 06/11/2018 | ALPHA | 123 | 12.9 | | PCI/L | | 3.76 |
| MWWA-09 | 06/11/2018 | BETA | 52.9 | 4.6 | | PCI/L | | 3.85 |
| MWWA-09 | 06/11/2018 | Uranium-233/234 | 104 | 5.69 | | PCI/L | | 0.637 |
| MWWA-09 | 06/11/2018 | Uranium-235/236 | 8.12 | 1.79 | | PCI/L | | 0.644 |
| MWWA-09 | 06/11/2018 | Uranium-238 | 42.9 | 3.66 | 155 | PCI/L | | 0.484 |
| MWWA-09 | 06/13/2018 | Uranium-235 | 2.37 | 0.12 | | UG/L | | 0.05 |
| MWWA-09 | 06/13/2018 | Uranium-238 | 131 | 6.55 | 133 | UG/L | | 0.335 |
| T-62 | 06/13/2018 | Fluoride | 3.17 | 0.106 | | MG/L | | 0.033 |
| T-62 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | 113 | | | MG/L | | 1.7 |
| T-62 | 06/11/2018 | ALPHA | 80.6 | 10.1 | | PCI/L | | 4.79 |
| T-62 | 06/11/2018 | BETA | 466 | 11.8 | | PCI/L | | 3.85 |
| T-62 | 06/11/2018 | Uranium-233/234 | 116 | 7.76 | | PCI/L | | 1.41 |
| T-62 | 06/11/2018 | Uranium-235/236 | 5.24 | 1.86 | | PCI/L | | 0.791 |
| T-62 | 06/11/2018 | Uranium-238 | 42.8 | 4.73 | 164 | PCI/L | | 1.42 |
| T-62 | 06/13/2018 | Uranium-235 | 2.46 | 0.127 | | UG/L | | 0.1 |
| T-62 | 06/13/2018 | Uranium-238 | 120 | 6 | 122 | UG/L | | 0.67 |
| T-64 | 06/11/2018 | Fluoride | 1.49 | 0.0509 | | MG/L | | 0.033 |
| T-64 | 06/11/2018 | Nitrogen, Nitrate/Nitrite | 5.13 | | | MG/L | | 0.17 |
| T-64 | 06/11/2018 | ALPHA | 70.6 | 9.16 | | PCI/L | | 3.83 |
| T-64 | 06/11/2018 | BETA | 17.4 | 2.92 | | PCI/L | | 3.31 |
| T-64 | 06/11/2018 | Uranium-233/234 | 41.9 | 4.44 | | PCI/L | | 0.974 |
| T-64 | 06/11/2018 | Uranium-235/236 | 4.28 | 1.62 | | PCI/L | | 0.831 |

Cimarron Environmental Response Trust **2018 Annual Environmental Monitoring Data**

| Sample No | Coll Date | Parameter | Lab Result | Uncertainty | Total Activity/ Concentration | Units | Lab or Data Review Qual | MDL |
|-----------|------------|---------------------------|------------|-------------|----------------------------------|-------|----------------------------------|-------|
| T-64 | 06/11/2018 | Uranium-238 | 11.8 | 2.42 | 58.0 | PCI/L | | 1.26 |
| T-64 | 06/11/2018 | Uranium-235 | 0.873 | 0.0442 | | UG/L | | 0.02 |
| T-64 | 06/11/2018 | Uranium-238 | 24.8 | 1.24 | 25.7 | UG/L | | 0.067 |
| T-70R | 06/11/2018 | Fluoride | 0.954 | 0.0337 | | MG/L | | 0.033 |
| T-70R | 06/11/2018 | Nitrogen, Nitrate/Nitrite | 0.985 | | | MG/L | | 0.085 |
| T-70R | 06/11/2018 | ALPHA | 166 | 14.3 | | PCI/L | J | 4.36 |
| T-70R | 06/11/2018 | BETA | 22.5 | 3.63 | | PCI/L | | 4.25 |
| T-70R | 06/11/2018 | Uranium-233/234 | 124 | 10.3 | | PCI/L | | 1.85 |
| T-70R | 06/11/2018 | Uranium-235/236 | 7.09 | 2.78 | | PCI/L | | 0.818 |
| T-70R | 06/11/2018 | Uranium-238 | 17.3 | 3.9 | 148 | PCI/L | | 1.63 |
| T-70R | 06/11/2018 | Uranium-235 | 3.64 | 0.185 | | UG/L | | 0.1 |
| T-70R | 06/11/2018 | Uranium-238 | 48.6 | 2.43 | 52.2 | UG/L | | 0.067 |

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| Sample No | Coll Date | Parameter | Lab Result | Uncertainty | Total Activity/ Concentration | Units | Lab or Data Review | MDL |
|-----------|------------|---------------------------|------------|-------------|----------------------------------|-------|--------------------------|-------|
| T-76 | 06/13/2018 | Fluoride | 2.57 | 0.0865 | | MG/L | | 0.033 |
| T-76 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | 35.8 | | | MG/L | | 1.7 |
| T-76 | 06/11/2018 | ALPHA | 141 | 13.2 | | PCI/L | | 4.34 |
| T-76 | 06/11/2018 | BETA | 107 | 6.39 | | PCI/L | | 4.13 |
| T-76 | 06/11/2018 | Uranium-233/234 | 127 | 7.47 | | PCI/L | | 1.05 |
| T-76 | 06/11/2018 | Uranium-235/236 | 6.67 | 1.93 | | PCI/L | | 0.777 |
| T-76 | 06/11/2018 | Uranium-238 | 49.9 | 4.69 | 184 | PCI/L | | 1.05 |
| T-76 | 06/13/2018 | Uranium-235 | 2.87 | 0.147 | | UG/L | | 0.1 |
| T-76 | 06/13/2018 | Uranium-238 | 146 | 7.3 | 149 | UG/L | | 0.67 |
| T-77 | 06/13/2018 | Fluoride | 1.09 | 0.0381 | | MG/L | | 0.033 |
| T-77 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | 0.975 | | | MG/L | | 0.017 |
| T-77 | 06/11/2018 | ALPHA | 70.1 | 7.27 | | PCI/L | J | 6.24 |
| T-77 | 06/11/2018 | BETA | 20 | 2.59 | | PCI/L | | 3.18 |
| T-77 | 06/11/2018 | Uranium-233/234 | 147 | 8.01 | | PCI/L | | 0.979 |
| T-77 | 06/11/2018 | Uranium-235/236 | 8.94 | 2.21 | | PCI/L | | 0.419 |
| T-77 | 06/11/2018 | Uranium-238 | 27.4 | 3.47 | 183 | PCI/L | | 0.875 |
| T-77 | 06/13/2018 | Uranium-235 | 3.19 | 0.163 | | UG/L | | 0.1 |
| T-77 | 06/13/2018 | Uranium-238 | 72.5 | 3.62 | 75.7 | UG/L | | 0.067 |
| T-79 | 06/11/2018 | Fluoride | 0.753 | 0.0274 | | MG/L | | 0.033 |
| T-79 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | 0.188 | | | MG/L | J- | 0.017 |
| T-79 | 06/11/2018 | ALPHA | 92.8 | 12.1 | | PCI/L | | 4.33 |
| T-79 | 06/11/2018 | BETA | 19.1 | 3.79 | | PCI/L | | 4.46 |
| T-79 | 06/11/2018 | Uranium-233/234 | 72.8 | 5.61 | | PCI/L | | 0.74 |
| T-79 | 06/11/2018 | Uranium-235/236 | 4.24 | 1.54 | | PCI/L | | 0.769 |
| T-79 | 06/11/2018 | Uranium-238 | 13.9 | 2.47 | 90.9 | PCI/L | | 0.788 |
| T-79 | 06/13/2018 | Uranium-235 | 1.51 | 0.0824 | | UG/L | | 0.1 |
| T-79 | 06/13/2018 | Uranium-238 | 39.4 | 1.97 | 40.9 | UG/L | | 0.067 |
| T-82 | 06/11/2018 | Fluoride | 0.381 | 0.0168 | | MG/L | | 0.033 |
| T-82 | 06/11/2018 | Nitrogen, Nitrate/Nitrite | 0.0214 | | | MG/L | J | 0.017 |
| T-82 | 06/11/2018 | ALPHA | 19.5 | 4.47 | | PCI/L | J | 5.4 |
| T-82 | 06/11/2018 | BETA | 6.55 | 1.82 | | PCI/L | | 2.61 |
| T-82 | 06/11/2018 | Uranium-233/234 | 24.7 | 3.33 | | PCI/L | | 1.08 |
| T-82 | 06/11/2018 | Uranium-235/236 | 1.2 | 0.881 | | PCI/L | | 0.781 |

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| Sample No | Coll Date | Parameter | Lab Result | Uncertainty | Total Activity/ Concentration | Units | Lab or Data Review Qual | MDL |
|-----------|------------|---------------------------|------------|-------------|----------------------------------|-------|----------------------------------|-------|
| T-82 | 06/11/2018 | Uranium-238 | 10.1 | 2.14 | 36.0 | PCI/L | | 0.884 |
| T-82 | 06/11/2018 | Uranium-235 | 0.426 | 0.0215 | | UG/L | | 0.01 |
| T-82 | 06/11/2018 | Uranium-238 | 22.1 | 1.1 | 22.5 | UG/L | | 0.067 |
| T-82DUP | 06/11/2018 | Fluoride | 0.384 | 0.0169 | | MG/L | | 0.033 |
| T-82DUP | 06/11/2018 | Nitrogen, Nitrate/Nitrite | 0.026 | | | MG/L | J | 0.017 |
| T-82DUP | 06/11/2018 | ALPHA | 20 | 4.35 | | PCI/L | J | 4.94 |
| T-82DUP | 06/11/2018 | BETA | 4.96 | 2.02 | | PCI/L | | 3.14 |
| T-82DUP | 06/11/2018 | Uranium-233/234 | 22.1 | 3.28 | | PCI/L | | 0.751 |
| T-82DUP | 06/11/2018 | Uranium-235/236 | 1.24 | 0.913 | | PCI/L | | 0.464 |
| T-82DUP | 06/11/2018 | Uranium-238 | 9.64 | 2.17 | 33.0 | PCI/L | | 0.376 |
| T-82DUP | 06/11/2018 | Uranium-235 | 0.443 | 0.0224 | | UG/L | | 0.01 |
| T-82DUP | 06/11/2018 | Uranium-238 | 23.4 | 1.17 | 23.8 | UG/L | | 0.067 |

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| Sample No | Coll Date | Parameter | Lab Result | Uncertainty | Total Activity/ Concentration | Units | Lab or Data Review | MDL |
|-----------|------------|---------------------------|------------|-------------|----------------------------------|-------|--------------------------|-------|
| TMW-08 | 06/13/2018 | Fluoride | 0.391 | 0.0171 | | MG/L | | 0.033 |
| TMW-08 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | 1.66 | | | MG/L | | 0.17 |
| TMW-08 | 06/13/2018 | ALPHA | 362 | 19.7 | | PCI/L | | 4.93 |
| TMW-08 | 06/13/2018 | BETA | 64.4 | 4.72 | | PCI/L | | 2.58 |
| TMW-08 | 06/13/2018 | Uranium-233/234 | 161 | 8.27 | | PCI/L | | 0.854 |
| TMW-08 | 06/13/2018 | Uranium-235/236 | 11.2 | 2.45 | | PCI/L | | 0.831 |
| TMW-08 | 06/13/2018 | Uranium-238 | 107 | 6.75 | 279 | PCI/L | | 0.814 |
| TMW-08 | 06/13/2018 | Uranium-235 | 3.76 | 0.199 | | UG/L | | 0.2 |
| TMW-08 | 06/13/2018 | Uranium-238 | 331 | 16.6 | 335 | UG/L | | 1.34 |
| TMW-09 | 06/13/2018 | Fluoride | 0.554 | 0.0215 | | MG/L | | 0.033 |
| TMW-09 | 06/13/2018 | Nitrogen, Nitrate/Nitrite | ND | | | MG/L | U | 0.017 |
| TMW-09 | 06/13/2018 | ALPHA | 1700 | 51 | | PCI/L | | 4.91 |
| TMW-09 | 06/13/2018 | BETA | 479 | 14.1 | | PCI/L | | 2.34 |
| TMW-09 | 06/13/2018 | Uranium-233/234 | 1110 | 40.7 | | PCI/L | | 2.49 |
| TMW-09 | 06/13/2018 | Uranium-235/236 | 72.5 | 11.6 | | PCI/L | | 2.3 |
| TMW-09 | 06/13/2018 | Uranium-238 | 768 | 33.9 | 1,951 | PCI/L | | 3.37 |
| TMW-09 | 06/13/2018 | Uranium-235 | 26.1 | 1.32 | | UG/L | | 0.5 |
| TMW-09 | 06/13/2018 | Uranium-238 | 2230 | 111 | 2,256 | UG/L | | 3.35 |
| TMW-13 | 06/12/2018 | Fluoride | 0.944 | 0.0333 | | MG/L | | 0.033 |
| TMW-13 | 06/12/2018 | Nitrogen, Nitrate/Nitrite | ND | | | MG/L | U | 0.017 |
| TMW-13 | 06/12/2018 | ALPHA | 196 | 18.8 | | PCI/L | | 4.68 |
| TMW-13 | 06/12/2018 | BETA | 50.2 | 5.33 | | PCI/L | | 3.31 |
| TMW-13 | 06/12/2018 | Uranium-233/234 | 150 | 8.02 | | PCI/L | | 1.57 |
| TMW-13 | 06/12/2018 | Uranium-235/236 | 9.01 | 2.2 | | PCI/L | | 0.657 |
| TMW-13 | 06/12/2018 | Uranium-238 | 87.3 | 6.1 | 246 | PCI/L | | 0.531 |
| TMW-13 | 06/12/2018 | Uranium-235 | 2.91 | 0.149 | | UG/L | | 0.1 |
| TMW-13 | 06/12/2018 | Uranium-238 | 224 | 11.2 | 227 | UG/L | | 0.67 |