| Site | Date Measured | Flow=cfs | ph, Field Standard Units | Total Acidity mg/l as CaC03 | Total Alkalinity mg/l as CaC03 | Total Iron mg/l | Total Manganese mg/l | Total Suspended solids mg/l | Total Hardnesss mg/l | Total Sulfate mg/l | Specific Conductance @ 25 C umho/cm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CMD-2 | 3/8/2011 | 26.70 | 8.14 | 0.91 | 83.7 | 0.2930 | 0.0600 | 5 | 131 | 157.0 | 642 |
| CMD-2 | 6/6/2011 | 23.10 | 8.48 | 0.00 | 168.0 | 0.1260 | 0.0220 | 0 | 267 | 461.0 | 1790 |
| CMD-2 | 8/29/2011 | 1.49 | 8.40 | 0.00 | 211.0 | 0.0500 | 0.0230 | 0 | 308 | 875.0 | 3170 |
| CMD-2 | 12/27/2011 | 4.86 | 7.97 | 0.41 | 122.0 | 0.0880 | 0.0370 | 0 | 164 | 178.0 | 699 |
| CMD-2 | 3/8/2012 | 12.10 | 7.98 | 1.61 | 154.0 | 0.0680 | 0.0270 | 0 | 208 | 562.0 | 1300 |
| CMD-2 | 5/16/2012 | 2.43 | 8.45 | 0.00 | 164.0 | 0.0330 | 0.0040 | 7 | 199 | 299.0 | 1270 |
| CMD-2 | 8/29/2012 | 1.80 | 8.08 | 4.87 | 202.0 | 0.0180 | 0.0070 | 6 | 535 | 161.0 | 426 |
| CMD-2 | 11/30/2012 | 12.90 | 8.10 | 0.00 | 139.0 | 0.0570 | 0.0140 | 0 | 203 | 77.1 | 486 |
| CMD-2 | 3/15/2013 | 8.77 | 8.04 | 1.19 | 89.4 | 0.1610 | 0.0450 | 0 | 110 | 43.7 | 398 |
| CMD-2 | 5/3/2013 | 1.35 | 8.13 | 0.00 | 129.0 | 0.0710 | 0.0210 | 0 | 176 | 56.0 | 402 |
| CMD-2 | 8/28/2013 | 2.08 | 8.20 | 1.80 | 150.0 | 0.0328 | 0.0074 | 0 | 356 | 604.0 | 1690 |
| CMD-2 | 11/11/2013 | 3.72 | 8.45 | 0.00 | 171.0 | 0.0419 | 0.0044 | 0 | 232 | 445.0 | 1740 |
| CMD-2A | 3/8/2011 | 14.20 | 8.05 | 1.93 | 77.3 | 0.3090 | 0.0440 | 0 | 96 | 35.1 | 252 |
| CMD-2A | 6/6/2011 | 10.80 | 8.24 | 0.34 | 163.0 | 0.1890 | 0.0790 | 0 | 151 | 59.6 | 449 |
| CMD-2A | 8/29/2011 | 6.60 | 7.94 | 0.00 | 222.0 | 0.1400 | 0.0700 | 0 | 150 | 74.0 | 574 |
| CMD-2A | 12/27/2011 | 4.53 | 8.01 | 1.77 | 107.0 | 0.2130 | 0.0570 | 0 | 128 | 58.6 | 308 |
| CMD-2A | 3/8/2012 | 14.10 | 7.72 | 1.55 | 128.0 | 0.0660 | 0.0670 | 0 | 133 | 61.0 | 341 |
| CMD-2A | 5/16/2012 | 0.97 | 8.31 | 0.00 | 147.0 | 0.0900 | 0.0840 | 5 | 143 | 52.9 | 386 |
| CMD-2A | 8/29/2012 | 0.76 | 7.88 | 1.76 | 224.0 | 0.1060 | 0.0780 | 0 | 154 | 80.8 | 603 |
| CMD-2A | 11/30/2012 | 0.53 | 7.86 | 0.00 | 179.0 | 0.0830 | 0.1990 | 0 | 142 | 71.2 | 503 |
| CMD-2A | 3/15/2013 | 2.25 | 7.64 | 1.30 | 101.0 | 0.1340 | 0.0490 | 0 | 120 | 41.2 | 338 |
| CMD-2A | 5/3/2013 | 0.78 | 7.73 | 0.00 | 140.0 | 0.0750 | 0.0680 | 0 | 140 | 53.2 | 407 |
| CMD-2A | 8/28/2013 | 0.65 | 8.07 | 4.00 | 175.0 | 0.1100 | 0.1160 | 0 | 151 | 53.7 | 479 |
| CMD-2A | 11/11/2013 | 2.43 | 8.27 | 1.50 | 127.0 | 0.1430 | 0.0756 | 0 | 134 | 48.9 | 365 |

| Site ID | Latitude | Longitude |
|---|---|---|
| CMD-2 | 39°53'39.1966" | -081°01'29.3498" |
| CMD-2A | 39°54'10.3451" | -081°00'41.9680" |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 154328 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-01-01 To: 2011-01-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-01-01 | | | 0.74 | | | | |
| 2011-01-02 | | | 0 | | | | |
| 2011-01-03 | | | 0 | | | | |
| 2011-01-04 | | | 0 | | | | |
| 2011-01-05 | | | 0 | | | | |
| 2011-01-06 | 1440 | 7.82 | 0 | 1420 | 17 | | 0.66 |
| 2011-01-07 | | | 0.05 | | | | |
| 2011-01-08 | | | 0 | | | | |
| 2011-01-09 | | | 0 | | | | |
| 2011-01-10 | | | 0 | | | | |
| 2011-01-11 | | | 0.11 | | | | |
| 2011-01-12 | 750 | 7.65 | 0 | 1780 | 15 | AA 0.1 | 0.97 |
| 2011-01-13 | | | 0.02 | | | | |
| 2011-01-14 | | | 0 | | | | |
| 2011-01-15 | | | 0 | | | | |
| 2011-01-16 | | | 0 | | | | |
| 2011-01-17 | | | 0 | | | | |
| 2011-01-18 | | | 0 | | | | |
| 2011-01-19 | | | 0 | | | | |
| 2011-01-20 | 1000 | 7.71 | 0.39 | | | | |
| 2011-01-21 | | | 0 | | | | |
| 2011-01-22 | | | 0 | | | | |
| 2011-01-23 | | | 0 | | | | |
| 2011-01-24 | | | 0 | | | | |
| 2011-01-25 | | | 0 | | | | |
| 2011-01-26 | AC | AC | 0 | AC | AC | AC | AC |
| 2011-01-27 | | | 0.11 | | | | |
| 2011-01-28 | | | 0.01 | | | | |
| 2011-01-29 | | | 0 | | | | |
| 2011-01-30 | | | 0 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2011-01-31 | | | 0.28 | | | | |
| **Minimum** | 750.0 | 7.65 | 0.0 | 1420.0 | 15.0 | 0.0 | 0.66 |
| **Maximum** | 1440.0 | 7.82 | 0.74 | 1780.0 | 17.0 | 0.0 | 0.97 |
| **Average** | 1063.33333 | | 0.05516 | 1600 | 16 | 0 | 0.815 |
| **Count** | 3 | 3 | 31 | 2 | 2 | 1 | 2 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-02-11 09:02 |

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**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 154328 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | **STATION CODE:** | 001 |
| | | **MONITORING PERIOD :** | 2011-01-01 To: 2011-01-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-01-01 | | | | | | | |
| 2011-01-02 | | | | | | | |
| 2011-01-03 | | | | | | | |
| 2011-01-04 | | | | | | | |
| 2011-01-05 | | | | | | | |
| 2011-01-06 | 1.69 | | | | | | |
| 2011-01-07 | | | | | | | |
| 2011-01-08 | | | | | | | |
| 2011-01-09 | | | | | | | |
| 2011-01-10 | | | | | | | |
| 2011-01-11 | | | | | | | |
| 2011-01-12 | 2.27 | | | | | | |
| 2011-01-13 | | | | | | | |
| 2011-01-14 | | | | | | | |
| 2011-01-15 | | | | | | | |
| 2011-01-16 | | | | | | | |
| 2011-01-17 | | | | | | | |
| 2011-01-18 | | | | | | | |
| 2011-01-19 | | | | | | | |
| 2011-01-20 | | | | | | | |
| 2011-01-21 | | | | | | | |
| 2011-01-22 | | | | | | | |
| 2011-01-23 | | | | | | | |
| 2011-01-24 | | | | | | | |
| 2011-01-25 | | | | | | | |
| 2011-01-26 | AC | | | | | | |
| 2011-01-27 | | | | | | | |
| 2011-01-28 | | | | | | | |
| 2011-01-29 | | | | | | | |
| 2011-01-30 | | | | | | | |
| 2011-01-31 | | | | | | | |
| **Minimum** | 1.69 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 2.27 | | | | | | |
| **Average** | 1.98 | | | | | | |
| **Count** | 2 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-02-11 09:02 |

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**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 154328 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-01-01 To: 2011-01-31 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-01-01 | | | | | | | |
| 2011-01-02 | | | | | | | |
| 2011-01-03 | | | | | | | |
| 2011-01-04 | | | | | | | |
| 2011-01-05 | | | | | | | |
| 2011-01-06 | | | | | | | |
| 2011-01-07 | | | | | | | |
| 2011-01-08 | | | | | | | |
| 2011-01-09 | | | | | | | |
| 2011-01-10 | | | | | | | |
| 2011-01-11 | | | | | | | |
| 2011-01-12 | | | | | | | |
| 2011-01-13 | | | | | | | |
| 2011-01-14 | | | | | | | |
| 2011-01-15 | | | | | | | |
| 2011-01-16 | | | | | | | |
| 2011-01-17 | | | | | | | |
| 2011-01-18 | | | | | | | |
| 2011-01-19 | | | | | | | |
| 2011-01-20 | | | | | | | |
| 2011-01-21 | | | | | | | |
| 2011-01-22 | | | | | | | |
| 2011-01-23 | | | | | | | |
| 2011-01-24 | | | | | | | |
| 2011-01-25 | | | | | | | |
| 2011-01-26 | | | | | | | |
| 2011-01-27 | | | | | | | |
| 2011-01-28 | | | | | | | |
| 2011-01-29 | | | | | | | |
| 2011-01-30 | | | | | | | |
| 2011-01-31 | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-02-11 09:02 |

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**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 154328 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| LOCATION: | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | MONITORING PERIOD : | 2011-01-01 To: 2011-01-31 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | NO DISCHARGE INDICATOR: | AL |

| PARAMETER | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 74013 | | | | | | |
| UNITS | mg/l | | | | | | |
| FREQUENCY | 1/Month | | | | | | |
| SAMPLING TYPE | Grab | | | | | | |
| 2011-01-01 | | | | | | | |
| 2011-01-02 | | | | | | | |
| 2011-01-03 | | | | | | | |
| 2011-01-04 | | | | | | | |
| 2011-01-05 | | | | | | | |
| 2011-01-06 | | | | | | | |
| 2011-01-07 | | | | | | | |
| 2011-01-08 | | | | | | | |
| 2011-01-09 | | | | | | | |
| 2011-01-10 | | | | | | | |
| 2011-01-11 | | | | | | | |
| 2011-01-12 | | | | | | | |
| 2011-01-13 | | | | | | | |
| 2011-01-14 | | | | | | | |
| 2011-01-15 | | | | | | | |
| 2011-01-16 | | | | | | | |
| 2011-01-17 | | | | | | | |
| 2011-01-18 | | | | | | | |
| 2011-01-19 | | | | | | | |
| 2011-01-20 | | | | | | | |
| 2011-01-21 | | | | | | | |
| 2011-01-22 | | | | | | | |
| 2011-01-23 | | | | | | | |
| 2011-01-24 | | | | | | | |
| 2011-01-25 | | | | | | | |
| 2011-01-26 | | | | | | | |
| 2011-01-27 | | | | | | | |
| 2011-01-28 | | | | | | | |
| 2011-01-29 | | | | | | | |
| 2011-01-30 | | | | | | | |
| 2011-01-31 | | | | | | | |
| Minimum | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-02-11 09:02 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 160277 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-02-01 To: 2011-02-28 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-02-01 | | | 0.6 | | | | |
| 2011-02-02 | | | 0 | | | | |
| 2011-02-03 | 1440 | 6.71 | 0 | | | | |
| 2011-02-04 | | | 0 | | | | |
| 2011-02-05 | | | 0 | | | | |
| 2011-02-06 | | | 0.01 | | | | |
| 2011-02-07 | | | 0.33 | | | | |
| 2011-02-08 | | | 0 | | | | |
| 2011-02-09 | | | 0 | | | | |
| 2011-02-10 | 2000 | 7.21 | 0 | | | | |
| 2011-02-11 | | | 0 | | | | |
| 2011-02-12 | | | 0 | | | | |
| 2011-02-13 | | | 0 | | | | |
| 2011-02-14 | | | 0 | | | | |
| 2011-02-15 | | | 0 | | | | |
| 2011-02-16 | | | 0 | | | | |
| 2011-02-17 | 1440 | 7.99 | 0 | 937 | AA 4.75 | AA .1 | 0.132 |
| 2011-02-18 | | | 0 | | | | |
| 2011-02-19 | | | 0 | | | | |
| 2011-02-20 | | | 0.34 | | | | |
| 2011-02-21 | | | 1.07 | | | | |
| 2011-02-22 | | | 0 | | | | |
| 2011-02-23 | 1456 | 7.13 | 0 | | | | |
| 2011-02-24 | | | 1.15 | | | | |
| 2011-02-25 | | | 0 | | | | |
| 2011-02-26 | | | 0 | | | | |
| 2011-02-27 | | | 0.29 | | | | |
| 2011-02-28 | | | 0.2 | | | | |
| **Minimum** | 1440.0 | 6.71 | 0.0 | 937.0 | 0.0 | 0.0 | 0.132 |
| **Maximum** | 2000.0 | 7.99 | 1.15 | 937.0 | 0.0 | 0.0 | 0.132 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 1584 | | 0.1425 | 937 | 0 | 0 | 0.132 |
| **Count** | 4 | 4 | 28 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-03-12 11:03 |

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**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 160277 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-02-01 To: 2011-02-28 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-02-01 | | | | | | | |
| 2011-02-02 | | | | | | | |
| 2011-02-03 | | | | | | | |
| 2011-02-04 | | | | | | | |
| 2011-02-05 | | | | | | | |
| 2011-02-06 | | | | | | | |
| 2011-02-07 | | | | | | | |
| 2011-02-08 | | | | | | | |
| 2011-02-09 | | | | | | | |
| 2011-02-10 | | | | | | | |
| 2011-02-11 | | | | | | | |
| 2011-02-12 | | | | | | | |
| 2011-02-13 | | | | | | | |
| 2011-02-14 | | | | | | | |
| 2011-02-15 | | | | | | | |
| 2011-02-16 | | | | | | | |
| 2011-02-17 | 0.471 | | | | | | |
| 2011-02-18 | | | | | | | |
| 2011-02-19 | | | | | | | |
| 2011-02-20 | | | | | | | |
| 2011-02-21 | | | | | | | |
| 2011-02-22 | | | | | | | |
| 2011-02-23 | | | | | | | |
| 2011-02-24 | | | | | | | |
| 2011-02-25 | | | | | | | |
| 2011-02-26 | | | | | | | |
| 2011-02-27 | | | | | | | |
| 2011-02-28 | | | | | | | |
| **Minimum** | 0.471 | | | | | | |
| **Maximum** | 0.471 | | | | | | |
| **Average** | 0.471 | | | | | | |
| **Count** | 1 | | | | | | |

Signature of Responsible Official or Authorized Representative

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-03-12 11:03 |

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**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 160277 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-02-01 To: 2011-02-28 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-02-01 | | | | | | | |
| 2011-02-02 | | | | | | | |
| 2011-02-03 | | | | | | | |
| 2011-02-04 | | | | | | | |
| 2011-02-05 | | | | | | | |
| 2011-02-06 | | | | | | | |
| 2011-02-07 | | | | | | | |
| 2011-02-08 | | | | | | | |
| 2011-02-09 | | | | | | | |
| 2011-02-10 | | | | | | | |
| 2011-02-11 | | | | | | | |
| 2011-02-12 | | | | | | | |
| 2011-02-13 | | | | | | | |
| 2011-02-14 | | | | | | | |
| 2011-02-15 | | | | | | | |
| 2011-02-16 | | | | | | | |
| 2011-02-17 | | | | | | | |
| 2011-02-18 | | | | | | | |
| 2011-02-19 | | | | | | | |
| 2011-02-20 | | | | | | | |
| 2011-02-21 | | | | | | | |
| 2011-02-22 | | | | | | | |
| 2011-02-23 | | | | | | | |
| 2011-02-24 | | | | | | | |
| 2011-02-25 | | | | | | | |
| 2011-02-26 | | | | | | | |
| 2011-02-27 | | | | | | | |
| 2011-02-28 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |

| Count | | | | | | | |
|---|---|---|---|---|---|---|---|
| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | | | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
| Cody Mozena | | | | | | | 2011-03-12 11:03 |

Page 3

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 160277 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-02-01 To: 2011-02-28 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-02-01 | | | | | | | |
| 2011-02-02 | | | | | | | |
| 2011-02-03 | | | | | | | |
| 2011-02-04 | | | | | | | |
| 2011-02-05 | | | | | | | |
| 2011-02-06 | | | | | | | |
| 2011-02-07 | | | | | | | |
| 2011-02-08 | | | | | | | |
| 2011-02-09 | | | | | | | |
| 2011-02-10 | | | | | | | |
| 2011-02-11 | | | | | | | |
| 2011-02-12 | | | | | | | |
| 2011-02-13 | | | | | | | |
| 2011-02-14 | | | | | | | |
| 2011-02-15 | | | | | | | |
| 2011-02-16 | | | | | | | |
| 2011-02-17 | | | | | | | |
| 2011-02-18 | | | | | | | |
| 2011-02-19 | | | | | | | |
| 2011-02-20 | | | | | | | |
| 2011-02-21 | | | | | | | |
| 2011-02-22 | | | | | | | |
| 2011-02-23 | | | | | | | |
| 2011-02-24 | | | | | | | |
| 2011-02-25 | | | | | | | |
| 2011-02-26 | | | | | | | |
| 2011-02-27 | | | | | | | |
| 2011-02-28 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

Signature of Responsible Official or Authorized Representative

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-03-12 11:03 |

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**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 166704 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-03-01 To: 2011-03-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-03-01 | | | 0 | | | | |
| 2011-03-02 | | | 0 | | | | |
| 2011-03-03 | | | 0 | | | | |
| 2011-03-04 | 1440 | 7.47 | 0.12 | | | | |
| 2011-03-05 | | | 1.37 | | | | |
| 2011-03-06 | | | 0 | | | | |
| 2011-03-07 | | | 0 | | | | |
| 2011-03-08 | | | 0 | | | | |
| 2011-03-09 | | | 1.32 | | | | |
| 2011-03-10 | | | 0.68 | | | | |
| 2011-03-11 | 2250 | 7.31 | 0 | | | | |
| 2011-03-12 | | | 0 | | | | |
| 2011-03-13 | | | 0 | | | | |
| 2011-03-14 | | | 0 | | | | |
| 2011-03-15 | | | 0.16 | | | | |
| 2011-03-16 | | | 0.03 | | | | |
| 2011-03-17 | 3850 | 7.96 | 0 | 1860 | AA 4.75 | AA .1 | 0.193 |
| 2011-03-18 | | | 0 | | | | |
| 2011-03-19 | | | 0 | | | | |
| 2011-03-20 | | | 0.2 | | | | |
| 2011-03-21 | | | 0.06 | | | | |
| 2011-03-22 | 2400 | 7.31 | 0.05 | | | | |
| 2011-03-23 | | | 0.23 | | | | |
| 2011-03-24 | | | 0 | | | | |
| 2011-03-25 | | | 0 | | | | |
| 2011-03-26 | | | 0 | | | | |
| 2011-03-27 | | | 0 | | | | |
| 2011-03-28 | | | 0 | | | | |
| 2011-03-29 | | | 0 | | | | |
| 2011-03-30 | | | 0.3 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2011-03-31 | | | 0.11 | | | | |
| **Minimum** | 1440.0 | 7.31 | 0.0 | 1860.0 | 0.0 | 0.0 | 0.193 |
| **Maximum** | 3850.0 | 7.96 | 1.37 | 1860.0 | 0.0 | 0.0 | 0.193 |
| **Average** | 2485 | | 0.14935 | 1860 | 0 | 0 | 0.193 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2011-04-14 07:04 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 166704 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-03-01 To: 2011-03-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-03-01 | | | | | | | |
| 2011-03-02 | | | | | | | |
| 2011-03-03 | | | | | | | |
| 2011-03-04 | | | | | | | |
| 2011-03-05 | | | | | | | |
| 2011-03-06 | | | | | | | |
| 2011-03-07 | | | | | | | |
| 2011-03-08 | | | | | | | |
| 2011-03-09 | | | | | | | |
| 2011-03-10 | | | | | | | |
| 2011-03-11 | | | | | | | |
| 2011-03-12 | | | | | | | |
| 2011-03-13 | | | | | | | |
| 2011-03-14 | | | | | | | |
| 2011-03-15 | | | | | | | |
| 2011-03-16 | | | | | | | |
| 2011-03-17 | 0.431 | | | | | | |
| 2011-03-18 | | | | | | | |
| 2011-03-19 | | | | | | | |
| 2011-03-20 | | | | | | | |
| 2011-03-21 | | | | | | | |
| 2011-03-22 | | | | | | | |
| 2011-03-23 | | | | | | | |
| 2011-03-24 | | | | | | | |
| 2011-03-25 | | | | | | | |
| 2011-03-26 | | | | | | | |
| 2011-03-27 | | | | | | | |
| 2011-03-28 | | | | | | | |
| 2011-03-29 | | | | | | | |
| 2011-03-30 | | | | | | | |
| 2011-03-31 | | | | | | | |
| **Minimum** | 0.431 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.431 | | | | | | |
| **Average** | 0.431 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-04-14 07:04 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 166704 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-03-01 To: 2011-03-31 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-03-01 | | | | | | | |
| 2011-03-02 | | | | | | | |
| 2011-03-03 | | | | | | | |
| 2011-03-04 | | | | | | | |
| 2011-03-05 | | | | | | | |
| 2011-03-06 | | | | | | | |
| 2011-03-07 | | | | | | | |
| 2011-03-08 | | | | | | | |
| 2011-03-09 | | | | | | | |
| 2011-03-10 | | | | | | | |
| 2011-03-11 | | | | | | | |
| 2011-03-12 | | | | | | | |
| 2011-03-13 | | | | | | | |
| 2011-03-14 | | | | | | | |
| 2011-03-15 | | | | | | | |
| 2011-03-16 | | | | | | | |
| 2011-03-17 | | | | | | | |
| 2011-03-18 | | | | | | | |
| 2011-03-19 | | | | | | | |
| 2011-03-20 | | | | | | | |
| 2011-03-21 | | | | | | | |
| 2011-03-22 | | | | | | | |
| 2011-03-23 | | | | | | | |
| 2011-03-24 | | | | | | | |
| 2011-03-25 | | | | | | | |
| 2011-03-26 | | | | | | | |
| 2011-03-27 | | | | | | | |
| 2011-03-28 | | | | | | | |
| 2011-03-29 | | | | | | | |
| 2011-03-30 | | | | | | | |
| 2011-03-31 | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2011-04-14 07:04 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 166704 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-03-01 To: 2011-03-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-03-01 | | | | | | | |
| 2011-03-02 | | | | | | | |
| 2011-03-03 | | | | | | | |
| 2011-03-04 | | | | | | | |
| 2011-03-05 | | | | | | | |
| 2011-03-06 | | | | | | | |
| 2011-03-07 | | | | | | | |
| 2011-03-08 | | | | | | | |
| 2011-03-09 | | | | | | | |
| 2011-03-10 | | | | | | | |
| 2011-03-11 | | | | | | | |
| 2011-03-12 | | | | | | | |
| 2011-03-13 | | | | | | | |
| 2011-03-14 | | | | | | | |
| 2011-03-15 | | | | | | | |
| 2011-03-16 | | | | | | | |
| 2011-03-17 | | | | | | | |
| 2011-03-18 | | | | | | | |
| 2011-03-19 | | | | | | | |
| 2011-03-20 | | | | | | | |
| 2011-03-21 | | | | | | | |
| 2011-03-22 | | | | | | | |
| 2011-03-23 | | | | | | | |
| 2011-03-24 | | | | | | | |
| 2011-03-25 | | | | | | | |
| 2011-03-26 | | | | | | | |
| 2011-03-27 | | | | | | | |
| 2011-03-28 | | | | | | | |
| 2011-03-29 | | | | | | | |
| 2011-03-30 | | | | | | | |
| 2011-03-31 | | | | | | | |
| **Minimum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-04-14 07:04 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 173082 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-04-01 To: 2011-04-30 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-04-01 | | | 0.01 | | | | |
| 2011-04-02 | | | 0.28 | | | | |
| 2011-04-03 | | | 0.04 | | | | |
| 2011-04-04 | | | 1.36 | | | | |
| 2011-04-05 | | | 0 | | | | |
| 2011-04-06 | | | 0.02 | | | | |
| 2011-04-07 | 1300 | 7.52 | 0.06 | | | | |
| 2011-04-08 | | | 0.19 | | | | |
| 2011-04-09 | | | 0.02 | | | | |
| 2011-04-10 | | | 0 | | | | |
| 2011-04-11 | | | 0.86 | | | | |
| 2011-04-12 | 2500 | 7.36 | 1.2 | | | | |
| 2011-04-13 | | | 0.09 | | | | |
| 2011-04-14 | | | 0 | | | | |
| 2011-04-15 | | | 0.41 | | | | |
| 2011-04-16 | | | 1.15 | | | | |
| 2011-04-17 | | | 0 | | | | |
| 2011-04-18 | | | 0.69 | | | | |
| 2011-04-19 | | | 1.29 | | | | |
| 2011-04-20 | | | 0.03 | | | | |
| 2011-04-21 | 4260 | 7.14 | 0 | | | | |
| 2011-04-22 | | | 0.81 | | | | |
| 2011-04-23 | | | 0.17 | | | | |
| 2011-04-24 | | | 0.21 | | | | |
| 2011-04-25 | | | 0.03 | | | | |
| 2011-04-26 | 3450 | 7.81 | 0.16 | 999 | AA 4.75 | AA .1 | 0.518 |
| 2011-04-27 | | | 0.29 | | | | |
| 2011-04-28 | | | 0.07 | | | | |
| 2011-04-29 | | | 0.02 | | | | |
| 2011-04-30 | | | 0.04 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 1300.0 | 7.14 | 0.0 | 999.0 | 0.0 | 0.0 | 0.518 |
| **Maximum** | 4260.0 | 7.81 | 1.36 | 999.0 | 0.0 | 0.0 | 0.518 |
| **Average** | 2877.5 | | 0.31667 | 999 | 0 | 0 | 0.518 |
| **Count** | 4 | 4 | 30 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-05-13 16:05 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 173082 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-04-01 To: 2011-04-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-04-01 | | | | | | | |
| 2011-04-02 | | | | | | | |
| 2011-04-03 | | | | | | | |
| 2011-04-04 | | | | | | | |
| 2011-04-05 | | | | | | | |
| 2011-04-06 | | | | | | | |
| 2011-04-07 | | | | | | | |
| 2011-04-08 | | | | | | | |
| 2011-04-09 | | | | | | | |
| 2011-04-10 | | | | | | | |
| 2011-04-11 | | | | | | | |
| 2011-04-12 | | | | | | | |
| 2011-04-13 | | | | | | | |
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| 2011-04-17 | | | | | | | |
| 2011-04-18 | | | | | | | |
| 2011-04-19 | | | | | | | |
| 2011-04-20 | | | | | | | |
| 2011-04-21 | | | | | | | |
| 2011-04-22 | | | | | | | |
| 2011-04-23 | | | | | | | |
| 2011-04-24 | | | | | | | |
| 2011-04-25 | | | | | | | |
| 2011-04-26 | 0.555 | | | | | | |
| 2011-04-27 | | | | | | | |
| 2011-04-28 | | | | | | | |
| 2011-04-29 | | | | | | | |
| 2011-04-30 | | | | | | | |
| **Minimum** | 0.555 | | | | | | |
| **Maximum** | 0.555 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.555 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-05-13 16:05 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 173082 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-04-01 To: 2011-04-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-04-01 | | | | | | | |
| 2011-04-02 | | | | | | | |
| 2011-04-03 | | | | | | | |
| 2011-04-04 | | | | | | | |
| 2011-04-05 | | | | | | | |
| 2011-04-06 | | | | | | | |
| 2011-04-07 | | | | | | | |
| 2011-04-08 | | | | | | | |
| 2011-04-09 | | | | | | | |
| 2011-04-10 | | | | | | | |
| 2011-04-11 | | | | | | | |
| 2011-04-12 | | | | | | | |
| 2011-04-13 | | | | | | | |
| 2011-04-14 | | | | | | | |
| 2011-04-15 | | | | | | | |
| 2011-04-16 | | | | | | | |
| 2011-04-17 | | | | | | | |
| 2011-04-18 | | | | | | | |
| 2011-04-19 | | | | | | | |
| 2011-04-20 | | | | | | | |
| 2011-04-21 | | | | | | | |
| 2011-04-22 | | | | | | | |
| 2011-04-23 | | | | | | | |
| 2011-04-24 | | | | | | | |
| 2011-04-25 | | | | | | | |
| 2011-04-26 | | | | | | | |
| 2011-04-27 | | | | | | | |
| 2011-04-28 | | | | | | | |
| 2011-04-29 | | | | | | | |
| 2011-04-30 | | | | | | | |
| **Minimum** | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-05-13 16:05 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 173082 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-04-01 To: 2011-04-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-04-01 | | | | | | | |
| 2011-04-02 | | | | | | | |
| 2011-04-03 | | | | | | | |
| 2011-04-04 | | | | | | | |
| 2011-04-05 | | | | | | | |
| 2011-04-06 | | | | | | | |
| 2011-04-07 | | | | | | | |
| 2011-04-08 | | | | | | | |
| 2011-04-09 | | | | | | | |
| 2011-04-10 | | | | | | | |
| 2011-04-11 | | | | | | | |
| 2011-04-12 | | | | | | | |
| 2011-04-13 | | | | | | | |
| 2011-04-14 | | | | | | | |
| 2011-04-15 | | | | | | | |
| 2011-04-16 | | | | | | | |
| 2011-04-17 | | | | | | | |
| 2011-04-18 | | | | | | | |
| 2011-04-19 | | | | | | | |
| 2011-04-20 | | | | | | | |
| 2011-04-21 | | | | | | | |
| 2011-04-22 | | | | | | | |
| 2011-04-23 | | | | | | | |
| 2011-04-24 | | | | | | | |
| 2011-04-25 | | | | | | | |
| 2011-04-26 | | | | | | | |
| 2011-04-27 | | | | | | | |
| 2011-04-28 | | | | | | | |
| 2011-04-29 | | | | | | | |
| 2011-04-30 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2011-05-13 16:05 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 179398 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-05-01 To: 2011-05-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-05-01 | | | 0.27 | | | | |
| 2011-05-02 | | | 0.00 | | | | |
| 2011-05-03 | | | 0.52 | | | | |
| 2011-05-04 | | | 0.01 | | | | |
| 2011-05-05 | 2880 | 7.76 | 0.00 | 2040 | AA 4.75 | AA .1 | 0.251 |
| 2011-05-06 | | | 0.00 | | | | |
| 2011-05-07 | | | 0.00 | | | | |
| 2011-05-08 | | | 0.00 | | | | |
| 2011-05-09 | | | 0.00 | | | | |
| 2011-05-10 | 1200 | 8.28 | 0.02 | | | | |
| 2011-05-11 | | | 0.00 | | | | |
| 2011-05-12 | | | 0.00 | | | | |
| 2011-05-13 | | | 0.06 | | | | |
| 2011-05-14 | | | 0.41 | | | | |
| 2011-05-15 | | | 0.10 | | | | |
| 2011-05-16 | | | 0.14 | | | | |
| 2011-05-17 | | | 0.55 | | | | |
| 2011-05-18 | | | 0.23 | | | | |
| 2011-05-19 | | | 0.02 | | | | |
| 2011-05-20 | 7200 | 8.14 | 0.02 | | | | |
| 2011-05-21 | | | 0.01 | | | | |
| 2011-05-22 | | | 0.18 | | | | |
| 2011-05-23 | | | 0.24 | | | | |
| 2011-05-24 | | | 0.01 | | | | |
| 2011-05-25 | 5400 | 8.49 | 0.00 | | | | |
| 2011-05-26 | | | 0.70 | | | | |
| 2011-05-27 | | | 0.30 | | | | |
| 2011-05-28 | | | 0.00 | | | | |
| 2011-05-29 | | | 0.00 | | | | |
| 2011-05-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2011-05-31 | | | 0.00 | | | | |
| **Minimum** | 1200.0 | 7.76 | 0.0 | 2040.0 | 0.0 | 0.0 | 0.251 |
| **Maximum** | 7200.0 | 8.49 | 0.7 | 2040.0 | 0.0 | 0.0 | 0.251 |
| **Average** | 4170 | | 0.12226 | 2040 | 0 | 0 | 0.251 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2011-06-13 14:06 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 179398 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-05-01 To: 2011-05-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-05-01 | | | | | | | |
| 2011-05-02 | | | | | | | |
| 2011-05-03 | | | | | | | |
| 2011-05-04 | | | | | | | |
| 2011-05-05 | 0.124 | | | | | | |
| 2011-05-06 | | | | | | | |
| 2011-05-07 | | | | | | | |
| 2011-05-08 | | | | | | | |
| 2011-05-09 | | | | | | | |
| 2011-05-10 | | | | | | | |
| 2011-05-11 | | | | | | | |
| 2011-05-12 | | | | | | | |
| 2011-05-13 | | | | | | | |
| 2011-05-14 | | | | | | | |
| 2011-05-15 | | | | | | | |
| 2011-05-16 | | | | | | | |
| 2011-05-17 | | | | | | | |
| 2011-05-18 | | | | | | | |
| 2011-05-19 | | | | | | | |
| 2011-05-20 | | | | | | | |
| 2011-05-21 | | | | | | | |
| 2011-05-22 | | | | | | | |
| 2011-05-23 | | | | | | | |
| 2011-05-24 | | | | | | | |
| 2011-05-25 | | | | | | | |
| 2011-05-26 | | | | | | | |
| 2011-05-27 | | | | | | | |
| 2011-05-28 | | | | | | | |
| 2011-05-29 | | | | | | | |
| 2011-05-30 | | | | | | | |
| 2011-05-31 | | | | | | | |
| **Minimum** | 0.124 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.124 | | | | | | |
| **Average** | 0.124 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-06-13 14:06 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 179398 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-05-01 To: 2011-05-31 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-05-01 | | | | | | | |
| 2011-05-02 | | | | | | | |
| 2011-05-03 | | | | | | | |
| 2011-05-04 | | | | | | | |
| 2011-05-05 | | | | | | | |
| 2011-05-06 | | | | | | | |
| 2011-05-07 | | | | | | | |
| 2011-05-08 | | | | | | | |
| 2011-05-09 | | | | | | | |
| 2011-05-10 | | | | | | | |
| 2011-05-11 | | | | | | | |
| 2011-05-12 | | | | | | | |
| 2011-05-13 | | | | | | | |
| 2011-05-14 | | | | | | | |
| 2011-05-15 | | | | | | | |
| 2011-05-16 | | | | | | | |
| 2011-05-17 | | | | | | | |
| 2011-05-18 | | | | | | | |
| 2011-05-19 | | | | | | | |
| 2011-05-20 | | | | | | | |
| 2011-05-21 | | | | | | | |
| 2011-05-22 | | | | | | | |
| 2011-05-23 | | | | | | | |
| 2011-05-24 | | | | | | | |
| 2011-05-25 | | | | | | | |
| 2011-05-26 | | | | | | | |
| 2011-05-27 | | | | | | | |
| 2011-05-28 | | | | | | | |
| 2011-05-29 | | | | | | | |
| 2011-05-30 | | | | | | | |
| 2011-05-31 | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2011-06-13 14:06 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 179398 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-05-01 To: 2011-05-31 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-05-01 | | | | | | | |
| 2011-05-02 | | | | | | | |
| 2011-05-03 | | | | | | | |
| 2011-05-04 | | | | | | | |
| 2011-05-05 | | | | | | | |
| 2011-05-06 | | | | | | | |
| 2011-05-07 | | | | | | | |
| 2011-05-08 | | | | | | | |
| 2011-05-09 | | | | | | | |
| 2011-05-10 | | | | | | | |
| 2011-05-11 | | | | | | | |
| 2011-05-12 | | | | | | | |
| 2011-05-13 | | | | | | | |
| 2011-05-14 | | | | | | | |
| 2011-05-15 | | | | | | | |
| 2011-05-16 | | | | | | | |
| 2011-05-17 | | | | | | | |
| 2011-05-18 | | | | | | | |
| 2011-05-19 | | | | | | | |
| 2011-05-20 | | | | | | | |
| 2011-05-21 | | | | | | | |
| 2011-05-22 | | | | | | | |
| 2011-05-23 | | | | | | | |
| 2011-05-24 | | | | | | | |
| 2011-05-25 | | | | | | | |
| 2011-05-26 | | | | | | | |
| 2011-05-27 | | | | | | | |
| 2011-05-28 | | | | | | | |
| 2011-05-29 | | | | | | | |
| 2011-05-30 | | | | | | | |
| 2011-05-31 | | | | | | | |
| **Minimum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Cody Mozena | | | 2011-06-13 14:06 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 185201 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-06-01 To: 2011-06-30 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-06-01 | | | 0.00 | | | | |
| 2011-06-02 | 4200 | 8.50 | 0.00 | 3410 | AA 4.75 | | 0.124 |
| 2011-06-03 | | | 0.00 | | | | |
| 2011-06-04 | | | 0.08 | | | | |
| 2011-06-05 | | | 1.09 | | | | |
| 2011-06-06 | | | 0.01 | | | | |
| 2011-06-07 | | | 1.24 | | | | |
| 2011-06-08 | | | 0.00 | | | | |
| 2011-06-09 | 4320 | 8.57 | 0.00 | | | | |
| 2011-06-10 | | | 0.52 | | | | |
| 2011-06-11 | | | 0.13 | | | | |
| 2011-06-12 | | | 0.00 | | | | |
| 2011-06-13 | | | 0.00 | | | | |
| 2011-06-14 | | | 0.00 | | | | |
| 2011-06-15 | | | 0.00 | | | | |
| 2011-06-16 | | | 0.88 | | | | |
| 2011-06-17 | 1440 | 8.81 | 0.66 | | | | |
| 2011-06-18 | | | 0.01 | | | | |
| 2011-06-19 | | | 0.37 | | | | |
| 2011-06-20 | | | 0.02 | | | | |
| 2011-06-21 | | | 0.10 | | | | |
| 2011-06-22 | | | 0.16 | | | | |
| 2011-06-23 | 2700 | 7.97 | 0.01 | 1670 | AA 4.75 | AA .1 | 0.117 |
| 2011-06-24 | | | 0.03 | | | | |
| 2011-06-25 | | | 0.01 | | | | |
| 2011-06-26 | | | 0.00 | | | | |
| 2011-06-27 | | | 1.19 | | | | |
| 2011-06-28 | | | 0.19 | | | | |
| 2011-06-29 | | | 0.00 | | | | |
| 2011-06-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 1440.0 | 7.97 | 0.0 | 1670.0 | 0.0 | 0.0 | 0.117 |
| **Maximum** | 4320.0 | 8.81 | 1.24 | 3410.0 | 0.0 | 0.0 | 0.124 |
| **Average** | 3165 | | 0.22333 | 2540 | 0 | 0 | 0.1205 |
| **Count** | 4 | 4 | 30 | 2 | 2 | 1 | 2 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-07-12 12:07 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 185201 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-06-01 To: 2011-06-30 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-06-01 | | | | | | | |
| 2011-06-02 | 0.022 | | | | | | |
| 2011-06-03 | | | | | | | |
| 2011-06-04 | | | | | | | |
| 2011-06-05 | | | | | | | |
| 2011-06-06 | | | | | | | |
| 2011-06-07 | | | | | | | |
| 2011-06-08 | | | | | | | |
| 2011-06-09 | | | | | | | |
| 2011-06-10 | | | | | | | |
| 2011-06-11 | | | | | | | |
| 2011-06-12 | | | | | | | |
| 2011-06-13 | | | | | | | |
| 2011-06-14 | | | | | | | |
| 2011-06-15 | | | | | | | |
| 2011-06-16 | | | | | | | |
| 2011-06-17 | | | | | | | |
| 2011-06-18 | | | | | | | |
| 2011-06-19 | | | | | | | |
| 2011-06-20 | | | | | | | |
| 2011-06-21 | | | | | | | |
| 2011-06-22 | | | | | | | |
| 2011-06-23 | 0.041 | | | | | | |
| 2011-06-24 | | | | | | | |
| 2011-06-25 | | | | | | | |
| 2011-06-26 | | | | | | | |
| 2011-06-27 | | | | | | | |
| 2011-06-28 | | | | | | | |
| 2011-06-29 | | | | | | | |
| 2011-06-30 | | | | | | | |
| **Minimum** | 0.022 | | | | | | |
| **Maximum** | 0.041 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.0315 | | | | | | |
| **Count** | 2 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-07-12 12:07 |

Page 2

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 185201 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-06-01 To: 2011-06-30 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-06-01 | | | | | | | |
| 2011-06-02 | | | | | | | |
| 2011-06-03 | | | | | | | |
| 2011-06-04 | | | | | | | |
| 2011-06-05 | | | | | | | |
| 2011-06-06 | | | | | | | |
| 2011-06-07 | | | | | | | |
| 2011-06-08 | | | | | | | |
| 2011-06-09 | | | | | | | |
| 2011-06-10 | | | | | | | |
| 2011-06-11 | | | | | | | |
| 2011-06-12 | | | | | | | |
| 2011-06-13 | | | | | | | |
| 2011-06-14 | | | | | | | |
| 2011-06-15 | | | | | | | |
| 2011-06-16 | | | | | | | |
| 2011-06-17 | | | | | | | |
| 2011-06-18 | | | | | | | |
| 2011-06-19 | | | | | | | |
| 2011-06-20 | | | | | | | |
| 2011-06-21 | | | | | | | |
| 2011-06-22 | | | | | | | |
| 2011-06-23 | | | | | | | |
| 2011-06-24 | | | | | | | |
| 2011-06-25 | | | | | | | |
| 2011-06-26 | | | | | | | |
| 2011-06-27 | | | | | | | |
| 2011-06-28 | | | | | | | |
| 2011-06-29 | | | | | | | |
| 2011-06-30 | | | | | | | |
| **Minimum** | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-07-12 12:07 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 185201 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-06-01 To: 2011-06-30 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-06-01 | | | | | | | |
| 2011-06-02 | | | | | | | |
| 2011-06-03 | | | | | | | |
| 2011-06-04 | | | | | | | |
| 2011-06-05 | | | | | | | |
| 2011-06-06 | | | | | | | |
| 2011-06-07 | | | | | | | |
| 2011-06-08 | | | | | | | |
| 2011-06-09 | | | | | | | |
| 2011-06-10 | | | | | | | |
| 2011-06-11 | | | | | | | |
| 2011-06-12 | | | | | | | |
| 2011-06-13 | | | | | | | |
| 2011-06-14 | | | | | | | |
| 2011-06-15 | | | | | | | |
| 2011-06-16 | | | | | | | |
| 2011-06-17 | | | | | | | |
| 2011-06-18 | | | | | | | |
| 2011-06-19 | | | | | | | |
| 2011-06-20 | | | | | | | |
| 2011-06-21 | | | | | | | |
| 2011-06-22 | | | | | | | |
| 2011-06-23 | | | | | | | |
| 2011-06-24 | | | | | | | |
| 2011-06-25 | | | | | | | |
| 2011-06-26 | | | | | | | |
| 2011-06-27 | | | | | | | |
| 2011-06-28 | | | | | | | |
| 2011-06-29 | | | | | | | |
| 2011-06-30 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-07-12 12:07 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 191970 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-07-01 To: 2011-07-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-07-01 | | | 0.00 | | | | |
| 2011-07-02 | | | 0.01 | | | | |
| 2011-07-03 | | | 0.00 | | | | |
| 2011-07-04 | | | 0.04 | | | | |
| 2011-07-05 | | | 0.01 | | | | |
| 2011-07-06 | 1700 | 8.72 | 0.06 | | | | |
| 2011-07-07 | | | 0.00 | | | | |
| 2011-07-08 | | | 0.23 | | | | |
| 2011-07-09 | | | 0.01 | | | | |
| 2011-07-10 | | | 0.00 | | | | |
| 2011-07-11 | | | 0.95 | | | | |
| 2011-07-12 | | | 0.00 | | | | |
| 2011-07-13 | 1200 | 8.78 | 0.00 | | | | |
| 2011-07-14 | | | 0.00 | | | | |
| 2011-07-15 | | | 0.00 | | | | |
| 2011-07-16 | | | 0.00 | | | | |
| 2011-07-17 | | | 0.00 | | | | |
| 2011-07-18 | | | 0.11 | | | | |
| 2011-07-19 | | | 0.86 | | | | |
| 2011-07-20 | 5760 | 8.90 | 0.00 | | | | |
| 2011-07-21 | | | 0.00 | | | | |
| 2011-07-22 | | | 0.07 | | | | |
| 2011-07-23 | | | 0.57 | | | | |
| 2011-07-24 | | | 0.05 | | | | |
| 2011-07-25 | | | 0.44 | | | | |
| 2011-07-26 | | | 0.01 | | | | |
| 2011-07-27 | | | 0.00 | | | | |
| 2011-07-28 | 1440 | 8.11 | 0.00 | 2590 | AA 4.75 | AH | AA .03 |
| 2011-07-29 | | | 0.22 | | | | |
| 2011-07-30 | | | 0.06 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2011-07-31 | | | 0.01 | | | | |
| **Minimum** | 1200.0 | 8.11 | 0.0 | 2590.0 | 0.0 | | 0.0 |
| **Maximum** | 5760.0 | 8.9 | 0.95 | 2590.0 | 0.0 | | 0.0 |
| **Average** | 2525 | | 0.11968 | 2590 | 0 | | 0 |
| **Count** | 4 | 4 | 31 | 1 | 1 | | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2011-08-11 12:08 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 191970 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | **STATION CODE:** | 001 |
| | | **MONITORING PERIOD :** | 2011-07-01 To: 2011-07-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-07-01 | | | | | | | |
| 2011-07-02 | | | | | | | |
| 2011-07-03 | | | | | | | |
| 2011-07-04 | | | | | | | |
| 2011-07-05 | | | | | | | |
| 2011-07-06 | | | | | | | |
| 2011-07-07 | | | | | | | |
| 2011-07-08 | | | | | | | |
| 2011-07-09 | | | | | | | |
| 2011-07-10 | | | | | | | |
| 2011-07-11 | | | | | | | |
| 2011-07-12 | | | | | | | |
| 2011-07-13 | | | | | | | |
| 2011-07-14 | | | | | | | |
| 2011-07-15 | | | | | | | |
| 2011-07-16 | | | | | | | |
| 2011-07-17 | | | | | | | |
| 2011-07-18 | | | | | | | |
| 2011-07-19 | | | | | | | |
| 2011-07-20 | | | | | | | |
| 2011-07-21 | | | | | | | |
| 2011-07-22 | | | | | | | |
| 2011-07-23 | | | | | | | |
| 2011-07-24 | | | | | | | |
| 2011-07-25 | | | | | | | |
| 2011-07-26 | | | | | | | |
| 2011-07-27 | | | | | | | |
| 2011-07-28 | 0.015 | | | | | | |
| 2011-07-29 | | | | | | | |
| 2011-07-30 | | | | | | | |
| 2011-07-31 | | | | | | | |
| **Minimum** | 0.015 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.015 | | | | | | |
| **Average** | 0.015 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2011-08-11 12:08 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 191970 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-07-01 To: 2011-07-31 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-07-01 | | | | | | | |
| 2011-07-02 | | | | | | | |
| 2011-07-03 | | | | | | | |
| 2011-07-04 | | | | | | | |
| 2011-07-05 | | | | | | | |
| 2011-07-06 | | | | | | | |
| 2011-07-07 | | | | | | | |
| 2011-07-08 | | | | | | | |
| 2011-07-09 | | | | | | | |
| 2011-07-10 | | | | | | | |
| 2011-07-11 | | | | | | | |
| 2011-07-12 | | | | | | | |
| 2011-07-13 | | | | | | | |
| 2011-07-14 | | | | | | | |
| 2011-07-15 | | | | | | | |
| 2011-07-16 | | | | | | | |
| 2011-07-17 | | | | | | | |
| 2011-07-18 | | | | | | | |
| 2011-07-19 | | | | | | | |
| 2011-07-20 | | | | | | | |
| 2011-07-21 | | | | | | | |
| 2011-07-22 | | | | | | | |
| 2011-07-23 | | | | | | | |
| 2011-07-24 | | | | | | | |
| 2011-07-25 | | | | | | | |
| 2011-07-26 | | | | | | | |
| 2011-07-27 | | | | | | | |
| 2011-07-28 | | | | | | | |
| 2011-07-29 | | | | | | | |
| 2011-07-30 | | | | | | | |
| 2011-07-31 | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-08-11 12:08 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 191970 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-07-01 To: 2011-07-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-07-01 | | | | | | | |
| 2011-07-02 | | | | | | | |
| 2011-07-03 | | | | | | | |
| 2011-07-04 | | | | | | | |
| 2011-07-05 | | | | | | | |
| 2011-07-06 | | | | | | | |
| 2011-07-07 | | | | | | | |
| 2011-07-08 | | | | | | | |
| 2011-07-09 | | | | | | | |
| 2011-07-10 | | | | | | | |
| 2011-07-11 | | | | | | | |
| 2011-07-12 | | | | | | | |
| 2011-07-13 | | | | | | | |
| 2011-07-14 | | | | | | | |
| 2011-07-15 | | | | | | | |
| 2011-07-16 | | | | | | | |
| 2011-07-17 | | | | | | | |
| 2011-07-18 | | | | | | | |
| 2011-07-19 | | | | | | | |
| 2011-07-20 | | | | | | | |
| 2011-07-21 | | | | | | | |
| 2011-07-22 | | | | | | | |
| 2011-07-23 | | | | | | | |
| 2011-07-24 | | | | | | | |
| 2011-07-25 | | | | | | | |
| 2011-07-26 | | | | | | | |
| 2011-07-27 | | | | | | | |
| 2011-07-28 | | | | | | | |
| 2011-07-29 | | | | | | | |
| 2011-07-30 | | | | | | | |
| 2011-07-31 | | | | | | | |
| **Minimum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-08-11 12:08 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 198522 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-08-01 To: 2011-08-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-08-01 | | | 0.00 | | | | |
| 2011-08-02 | 920 | 8.68 | 0.10 | | | | |
| 2011-08-03 | | | 0.36 | | | | |
| 2011-08-04 | | | 0.00 | | | | |
| 2011-08-05 | | | 0.02 | | | | |
| 2011-08-06 | | | 1.69 | | | | |
| 2011-08-07 | | | 0.55 | | | | |
| 2011-08-08 | | | 0.01 | | | | |
| 2011-08-09 | | | 0.65 | | | | |
| 2011-08-10 | 28800 | 8.15 | 0.19 | | | | |
| 2011-08-11 | | | 0.00 | | | | |
| 2011-08-12 | | | 0.00 | | | | |
| 2011-08-13 | | | 0.00 | | | | |
| 2011-08-14 | | | 0.46 | | | | |
| 2011-08-15 | | | 0.19 | | | | |
| 2011-08-16 | | | 0.01 | | | | |
| 2011-08-17 | 1440 | 8.40 | 0.01 | 1550 | AA 4.75 | AA .1 | 0.09 |
| 2011-08-18 | | | 0.00 | | | | |
| 2011-08-19 | | | 0.11 | | | | |
| 2011-08-20 | | | 0.00 | | | | |
| 2011-08-21 | | | 0.10 | | | | |
| 2011-08-22 | | | 0.01 | | | | |
| 2011-08-23 | | | 0.02 | | | | |
| 2011-08-24 | 1280 | 8.36 | 0.16 | | | | |
| 2011-08-25 | | | 0.61 | | | | |
| 2011-08-26 | | | 0.01 | | | | |
| 2011-08-27 | | | 0.00 | | | | |
| 2011-08-28 | | | 0.08 | | | | |
| 2011-08-29 | | | 0.01 | | | | |
| 2011-08-30 | | | 0.01 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2011-08-31 | | | 0.00 | | | | |
| **Minimum** | 920.0 | 8.15 | 0.0 | 1550.0 | 0.0 | 0.0 | 0.09 |
| **Maximum** | 28800.0 | 8.68 | 1.69 | 1550.0 | 0.0 | 0.0 | 0.09 |
| **Average** | 8110 | | 0.1729 | 1550 | 0 | 0 | 0.09 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-09-14 09:09 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 198522 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-08-01 To: 2011-08-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-08-01 | | | | | | | |
| 2011-08-02 | | | | | | | |
| 2011-08-03 | | | | | | | |
| 2011-08-04 | | | | | | | |
| 2011-08-05 | | | | | | | |
| 2011-08-06 | | | | | | | |
| 2011-08-07 | | | | | | | |
| 2011-08-08 | | | | | | | |
| 2011-08-09 | | | | | | | |
| 2011-08-10 | | | | | | | |
| 2011-08-11 | | | | | | | |
| 2011-08-12 | | | | | | | |
| 2011-08-13 | | | | | | | |
| 2011-08-14 | | | | | | | |
| 2011-08-15 | | | | | | | |
| 2011-08-16 | | | | | | | |
| 2011-08-17 | 0.02 | | | | | | |
| 2011-08-18 | | | | | | | |
| 2011-08-19 | | | | | | | |
| 2011-08-20 | | | | | | | |
| 2011-08-21 | | | | | | | |
| 2011-08-22 | | | | | | | |
| 2011-08-23 | | | | | | | |
| 2011-08-24 | | | | | | | |
| 2011-08-25 | | | | | | | |
| 2011-08-26 | | | | | | | |
| 2011-08-27 | | | | | | | |
| 2011-08-28 | | | | | | | |
| 2011-08-29 | | | | | | | |
| 2011-08-30 | | | | | | | |
| 2011-08-31 | | | | | | | |
| **Minimum** | 0.02 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.02 | | | | | | |
| **Average** | 0.02 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2011-09-14 09:09 |

Page 2

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 198522 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-08-01 To: 2011-08-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-08-01 | | | 0.00 | | | | |
| 2011-08-02 | AC | AC | 0.10 | | | | |
| 2011-08-03 | | | 0.36 | | | | |
| 2011-08-04 | | | 0.00 | | | | |
| 2011-08-05 | | | 0.02 | | | | |
| 2011-08-06 | | | 1.69 | | | | |
| 2011-08-07 | | | 0.55 | | | | |
| 2011-08-08 | | | 0.01 | | | | |
| 2011-08-09 | 21600 | 8.34 | 0.65 | 237 | AA 4.75 | AH | 0.14 |
| 2011-08-10 | | | 0.19 | | | | |
| 2011-08-11 | | | 0.00 | | | | |
| 2011-08-12 | | | 0.00 | | | | |
| 2011-08-13 | | | 0.00 | | | | |
| 2011-08-14 | | | 0.46 | | | | |
| 2011-08-15 | | | 0.19 | | | | |
| 2011-08-16 | | | 0.01 | | | | |
| 2011-08-17 | AC | AC | 0.01 | | | | |
| 2011-08-18 | | | 0.00 | | | | |
| 2011-08-19 | | | 0.11 | | | | |
| 2011-08-20 | | | 0.00 | | | | |
| 2011-08-21 | | | 0.10 | | | | |
| 2011-08-22 | | | 0.01 | | | | |
| 2011-08-23 | | | 0.02 | | | | |
| 2011-08-24 | AC | AC | 0.16 | | | | |
| 2011-08-25 | | | 0.61 | | | | |
| 2011-08-26 | | | 0.01 | | | | |
| 2011-08-27 | | | 0.00 | | | | |
| 2011-08-28 | | | 0.08 | | | | |
| 2011-08-29 | | | 0.01 | | | | |
| 2011-08-30 | | | 0.01 | | | | |
| 2011-08-31 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 21600.0 | 8.34 | 0.0 | 237.0 | 0.0 | | 0.14 |
| **Maximum** | 21600.0 | 8.34 | 1.69 | 237.0 | 0.0 | | 0.14 |
| **Average** | 21600 | | 0.1729 | 237 | 0 | | 0.14 |
| **Count** | 1 | 1 | 31 | 1 | 1 | | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2011-09-14 09:09 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 198522 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-08-01 To: 2011-08-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-08-01 | | | | | | | |
| 2011-08-02 | | | | | | | |
| 2011-08-03 | | | | | | | |
| 2011-08-04 | | | | | | | |
| 2011-08-05 | | | | | | | |
| 2011-08-06 | | | | | | | |
| 2011-08-07 | | | | | | | |
| 2011-08-08 | | | | | | | |
| 2011-08-09 | 0.18 | | | | | | |
| 2011-08-10 | | | | | | | |
| 2011-08-11 | | | | | | | |
| 2011-08-12 | | | | | | | |
| 2011-08-13 | | | | | | | |
| 2011-08-14 | | | | | | | |
| 2011-08-15 | | | | | | | |
| 2011-08-16 | | | | | | | |
| 2011-08-17 | | | | | | | |
| 2011-08-18 | | | | | | | |
| 2011-08-19 | | | | | | | |
| 2011-08-20 | | | | | | | |
| 2011-08-21 | | | | | | | |
| 2011-08-22 | | | | | | | |
| 2011-08-23 | | | | | | | |
| 2011-08-24 | | | | | | | |
| 2011-08-25 | | | | | | | |
| 2011-08-26 | | | | | | | |
| 2011-08-27 | | | | | | | |
| 2011-08-28 | | | | | | | |
| 2011-08-29 | | | | | | | |
| 2011-08-30 | | | | | | | |
| 2011-08-31 | | | | | | | |
| **Minimum** | 0.18 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.18 | | | | | | |
| **Average** | 0.18 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-09-14 09:09 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 204840 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-09-01 To: 2011-09-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-09-01 | | | 0.09 | | | | |
| 2011-09-02 | 540 | 8.88 | 0.00 | | | | |
| 2011-09-03 | | | 0.00 | | | | |
| 2011-09-04 | | | 0.56 | | | | |
| 2011-09-05 | | | 0.82 | | | | |
| 2011-09-06 | | | 0.54 | | | | |
| 2011-09-07 | | | 0.04 | | | | |
| 2011-09-08 | 5400 | 8.85 | 0.00 | | | | |
| 2011-09-09 | | | 0.02 | | | | |
| 2011-09-10 | | | 0.00 | | | | |
| 2011-09-11 | | | 0.06 | | | | |
| 2011-09-12 | | | 0.01 | | | | |
| 2011-09-13 | | | 0.01 | | | | |
| 2011-09-14 | | | 0.01 | | | | |
| 2011-09-15 | 494 | 8.78 | 0.46 | | | | |
| 2011-09-16 | | | 0.01 | | | | |
| 2011-09-17 | | | 0.00 | | | | |
| 2011-09-18 | | | 0.00 | | | | |
| 2011-09-19 | 382 | 8.13 | 0.79 | 1890 | 5 | AA .1 | 0.39 |
| 2011-09-20 | | | 0.01 | | | | |
| 2011-09-21 | | | 0.04 | | | | |
| 2011-09-22 | | | 0.11 | | | | |
| 2011-09-23 | | | 0.71 | | | | |
| 2011-09-24 | | | 0.02 | | | | |
| 2011-09-25 | | | 0.04 | | | | |
| 2011-09-26 | 1240 | 8.38 | 2.14 | | | | |
| 2011-09-27 | | | 0.01 | | | | |
| 2011-09-28 | | | 0.02 | | | | |
| 2011-09-29 | | | 0.16 | | | | |
| 2011-09-30 | | | 0.16 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 382.0 | 8.13 | 0.0 | 1890.0 | 5.0 | 0.0 | 0.39 |
| **Maximum** | 5400.0 | 8.88 | 2.14 | 1890.0 | 5.0 | 0.0 | 0.39 |
| **Average** | 1611.2 | | 0.228 | 1890 | 5 | 0 | 0.39 |
| **Count** | 5 | 5 | 30 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-10-12 13:10 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 204840 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-09-01 To: 2011-09-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-09-01 | | | | | | | |
| 2011-09-02 | | | | | | | |
| 2011-09-03 | | | | | | | |
| 2011-09-04 | | | | | | | |
| 2011-09-05 | | | | | | | |
| 2011-09-06 | | | | | | | |
| 2011-09-07 | | | | | | | |
| 2011-09-08 | | | | | | | |
| 2011-09-09 | | | | | | | |
| 2011-09-10 | | | | | | | |
| 2011-09-11 | | | | | | | |
| 2011-09-12 | | | | | | | |
| 2011-09-13 | | | | | | | |
| 2011-09-14 | | | | | | | |
| 2011-09-15 | | | | | | | |
| 2011-09-16 | | | | | | | |
| 2011-09-17 | | | | | | | |
| 2011-09-18 | | | | | | | |
| 2011-09-19 | 0.046 | | | | | | |
| 2011-09-20 | | | | | | | |
| 2011-09-21 | | | | | | | |
| 2011-09-22 | | | | | | | |
| 2011-09-23 | | | | | | | |
| 2011-09-24 | | | | | | | |
| 2011-09-25 | | | | | | | |
| 2011-09-26 | | | | | | | |
| 2011-09-27 | | | | | | | |
| 2011-09-28 | | | | | | | |
| 2011-09-29 | | | | | | | |
| 2011-09-30 | | | | | | | |
| **Minimum** | 0.046 | | | | | | |
| **Maximum** | 0.046 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.046 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-10-12 13:10 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 204840 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-09-01 To: 2011-09-30 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-09-01 | | | | | | | |
| 2011-09-02 | | | | | | | |
| 2011-09-03 | | | | | | | |
| 2011-09-04 | | | | | | | |
| 2011-09-05 | | | | | | | |
| 2011-09-06 | | | | | | | |
| 2011-09-07 | | | | | | | |
| 2011-09-08 | | | | | | | |
| 2011-09-09 | | | | | | | |
| 2011-09-10 | | | | | | | |
| 2011-09-11 | | | | | | | |
| 2011-09-12 | | | | | | | |
| 2011-09-13 | | | | | | | |
| 2011-09-14 | | | | | | | |
| 2011-09-15 | | | | | | | |
| 2011-09-16 | | | | | | | |
| 2011-09-17 | | | | | | | |
| 2011-09-18 | | | | | | | |
| 2011-09-19 | | | | | | | |
| 2011-09-20 | | | | | | | |
| 2011-09-21 | | | | | | | |
| 2011-09-22 | | | | | | | |
| 2011-09-23 | | | | | | | |
| 2011-09-24 | | | | | | | |
| 2011-09-25 | | | | | | | |
| 2011-09-26 | | | | | | | |
| 2011-09-27 | | | | | | | |
| 2011-09-28 | | | | | | | |
| 2011-09-29 | | | | | | | |
| 2011-09-30 | | | | | | | |
| **Minimum** | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-10-12 13:10 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 204840 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-09-01 To: 2011-09-30 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-09-01 | | | | | | | |
| 2011-09-02 | | | | | | | |
| 2011-09-03 | | | | | | | |
| 2011-09-04 | | | | | | | |
| 2011-09-05 | | | | | | | |
| 2011-09-06 | | | | | | | |
| 2011-09-07 | | | | | | | |
| 2011-09-08 | | | | | | | |
| 2011-09-09 | | | | | | | |
| 2011-09-10 | | | | | | | |
| 2011-09-11 | | | | | | | |
| 2011-09-12 | | | | | | | |
| 2011-09-13 | | | | | | | |
| 2011-09-14 | | | | | | | |
| 2011-09-15 | | | | | | | |
| 2011-09-16 | | | | | | | |
| 2011-09-17 | | | | | | | |
| 2011-09-18 | | | | | | | |
| 2011-09-19 | | | | | | | |
| 2011-09-20 | | | | | | | |
| 2011-09-21 | | | | | | | |
| 2011-09-22 | | | | | | | |
| 2011-09-23 | | | | | | | |
| 2011-09-24 | | | | | | | |
| 2011-09-25 | | | | | | | |
| 2011-09-26 | | | | | | | |
| 2011-09-27 | | | | | | | |
| 2011-09-28 | | | | | | | |
| 2011-09-29 | | | | | | | |
| 2011-09-30 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-10-12 13:10 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 211201 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-10-01 To: 2011-10-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS . | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-10-01 | | | 0.45 | | | | |
| 2011-10-02 | | | 0.33 | | | | |
| 2011-10-03 | | | 0.21 | | | | |
| 2011-10-04 | | | 0.01 | | | | |
| 2011-10-05 | | | 0.00 | | | | |
| 2011-10-06 | 7605 | 8.84 | 0.01 | | | | |
| 2011-10-07 | | | 0.01 | | | | |
| 2011-10-08 | | | 0.00 | | | | |
| 2011-10-09 | | | 0.01 | | | | |
| 2011-10-10 | 1860 | 8.55 | 0.00 | 1463 | AA 4.75 | AA .1 | 0.108 |
| 2011-10-11 | | | 0.00 | | | | |
| 2011-10-12 | | | 0.96 | | | | |
| 2011-10-13 | | | 0.98 | | | | |
| 2011-10-14 | | | 0.28 | | | | |
| 2011-10-15 | | | 0.01 | | | | |
| 2011-10-16 | | | 0.06 | | | | |
| 2011-10-17 | | | 0.06 | | | | |
| 2011-10-18 | 5400 | 7.78 | 0.03 | | | | |
| 2011-10-19 | | | 0.39 | | | | |
| 2011-10-20 | | | 0.28 | | | | |
| 2011-10-21 | | | 0.00 | | | | |
| 2011-10-22 | | | 0.00 | | | | |
| 2011-10-23 | | | 0.00 | | | | |
| 2011-10-24 | | | 0.20 | | | | |
| 2011-10-25 | | | 0.01 | | | | |
| 2011-10-26 | | | 0.19 | | | | |
| 2011-10-27 | 16480 | 8.43 | 0.65 | | | | |
| 2011-10-28 | | | 0.03 | | | | |
| 2011-10-29 | | | 0.22 | | | | |
| 2011-10-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2011-10-31 | | | 0.04 | | | | |
| **Minimum** | 1860.0 | 7.78 | 0.0 | 1463.0 | 0.0 | 0.0 | 0.108 |
| **Maximum** | 16480.0 | 8.84 | 0.98 | 1463.0 | 0.0 | 0.0 | 0.108 |
| **Average** | 7836.25 | | 0.17484 | 1463 | 0 | 0 | 0.108 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-11-12 08:11 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 211201 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-10-01 To: 2011-10-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-10-01 | | | | | | | |
| 2011-10-02 | | | | | | | |
| 2011-10-03 | | | | | | | |
| 2011-10-04 | | | | | | | |
| 2011-10-05 | | | | | | | |
| 2011-10-06 | | | | | | | |
| 2011-10-07 | | | | | | | |
| 2011-10-08 | | | | | | | |
| 2011-10-09 | | | | | | | |
| 2011-10-10 | 0.018 | | | | | | |
| 2011-10-11 | | | | | | | |
| 2011-10-12 | | | | | | | |
| 2011-10-13 | | | | | | | |
| 2011-10-14 | | | | | | | |
| 2011-10-15 | | | | | | | |
| 2011-10-16 | | | | | | | |
| 2011-10-17 | | | | | | | |
| 2011-10-18 | | | | | | | |
| 2011-10-19 | | | | | | | |
| 2011-10-20 | | | | | | | |
| 2011-10-21 | | | | | | | |
| 2011-10-22 | | | | | | | |
| 2011-10-23 | | | | | | | |
| 2011-10-24 | | | | | | | |
| 2011-10-25 | | | | | | | |
| 2011-10-26 | | | | | | | |
| 2011-10-27 | | | | | | | |
| 2011-10-28 | | | | | | | |
| 2011-10-29 | | | | | | | |
| 2011-10-30 | | | | | | | |
| 2011-10-31 | | | | | | | |
| **Minimum** | 0.018 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.018 | | | | | | |
| **Average** | 0.018 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2011-11-12 08:11 |

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**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 211201 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-10-01 To: 2011-10-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-10-01 | | | 0.45 | | | | |
| 2011-10-02 | | | 0.33 | | | | |
| 2011-10-03 | | | 0.21 | | | | |
| 2011-10-04 | | | 0.01 | | | | |
| 2011-10-05 | | | 0.00 | | | | |
| 2011-10-06 | AC | AC | 0.01 | | | | |
| 2011-10-07 | | | 0.01 | | | | |
| 2011-10-08 | | | 0.00 | | | | |
| 2011-10-09 | | | 0.01 | | | | |
| 2011-10-10 | AC | AC | 0.00 | | | | |
| 2011-10-11 | | | 0.00 | | | | |
| 2011-10-12 | | | 0.96 | | | | |
| 2011-10-13 | | | 0.98 | | | | |
| 2011-10-14 | | | 0.28 | | | | |
| 2011-10-15 | | | 0.01 | | | | |
| 2011-10-16 | | | 0.06 | | | | |
| 2011-10-17 | | | 0.06 | | | | |
| 2011-10-18 | AC | AC | 0.03 | | | | |
| 2011-10-19 | | | 0.39 | | | | |
| 2011-10-20 | | | 0.28 | | | | |
| 2011-10-21 | | | 0.00 | | | | |
| 2011-10-22 | | | 0.00 | | | | |
| 2011-10-23 | | | 0.00 | | | | |
| 2011-10-24 | | | 0.20 | | | | |
| 2011-10-25 | | | 0.01 | | | | |
| 2011-10-26 | | | 0.19 | | | | |
| 2011-10-27 | 24040 | 8.84 | 0.65 | 327 | 6 | AA .1 | 0.674 |
| 2011-10-28 | | | 0.03 | | | | |
| 2011-10-29 | | | 0.22 | | | | |
| 2011-10-30 | | | 0.00 | | | | |
| 2011-10-31 | | | 0.04 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 24040.0 | 8.84 | 0.0 | 327.0 | 6.0 | 0.0 | 0.674 |
| **Maximum** | 24040.0 | 8.84 | 0.98 | 327.0 | 6.0 | 0.0 | 0.674 |
| **Average** | 24040 | | 0.17484 | 327 | 6 | 0 | 0.674 |
| **Count** | 1 | 1 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2011-11-12 08:11 |

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**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 211201 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | **STATION CODE:** | 002 |
| | | **MONITORING PERIOD :** | 2011-10-01 To: 2011-10-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-10-01 | | | | | | | |
| 2011-10-02 | | | | | | | |
| 2011-10-03 | | | | | | | |
| 2011-10-04 | | | | | | | |
| 2011-10-05 | | | | | | | |
| 2011-10-06 | | | | | | | |
| 2011-10-07 | | | | | | | |
| 2011-10-08 | | | | | | | |
| 2011-10-09 | | | | | | | |
| 2011-10-10 | | | | | | | |
| 2011-10-11 | | | | | | | |
| 2011-10-12 | | | | | | | |
| 2011-10-13 | | | | | | | |
| 2011-10-14 | | | | | | | |
| 2011-10-15 | | | | | | | |
| 2011-10-16 | | | | | | | |
| 2011-10-17 | | | | | | | |
| 2011-10-18 | | | | | | | |
| 2011-10-19 | | | | | | | |
| 2011-10-20 | | | | | | | |
| 2011-10-21 | | | | | | | |
| 2011-10-22 | | | | | | | |
| 2011-10-23 | | | | | | | |
| 2011-10-24 | | | | | | | |
| 2011-10-25 | | | | | | | |
| 2011-10-26 | | | | | | | |
| 2011-10-27 | 0.058 | | | | | | |
| 2011-10-28 | | | | | | | |
| 2011-10-29 | | | | | | | |
| 2011-10-30 | | | | | | | |
| 2011-10-31 | | | | | | | |
| **Minimum** | 0.058 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.058 | | | | | | |
| **Average** | 0.058 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-11-12 08:11 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 217390 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-11-01 To: 2011-11-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-11-01 | | | 0.01 | | | | |
| 2011-11-02 | | | 0.00 | | | | |
| 2011-11-03 | 7200 | 8.33 | 0.00 | 1570 | AA 4.75 | AA .1 | 0.17 |
| 2011-11-04 | | | 0.00 | | | | |
| 2011-11-05 | | | 0.00 | | | | |
| 2011-11-06 | | | 0.00 | | | | |
| 2011-11-07 | | | 0.01 | | | | |
| 2011-11-08 | | | 0.00 | | | | |
| 2011-11-09 | | | 0.15 | | | | |
| 2011-11-10 | 9864 | 7.80 | 0.03 | | | | |
| 2011-11-11 | | | 0.00 | | | | |
| 2011-11-12 | | | 0.00 | | | | |
| 2011-11-13 | | | 0.00 | | | | |
| 2011-11-14 | | | 0.27 | | | | |
| 2011-11-15 | | | 0.78 | | | | |
| 2011-11-16 | | | 0.40 | | | | |
| 2011-11-17 | 14400 | 8.01 | 0.01 | | | | |
| 2011-11-18 | | | 0.00 | | | | |
| 2011-11-19 | | | 0.00 | | | | |
| 2011-11-20 | | | 0.46 | | | | |
| 2011-11-21 | | | 0.14 | | | | |
| 2011-11-22 | | | 1.28 | | | | |
| 2011-11-23 | | | 0.08 | | | | |
| 2011-11-24 | | | 0.01 | | | | |
| 2011-11-25 | 12460 | 8.51 | 0.00 | | | | |
| 2011-11-26 | | | 0.00 | | | | |
| 2011-11-27 | | | 0.36 | | | | |
| 2011-11-28 | | | 0.31 | | | | |
| 2011-11-29 | | | 0.29 | | | | |
| 2011-11-30 | | | 0.07 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 7200.0 | 7.8 | 0.0 | 1570.0 | 0.0 | 0.0 | 0.17 |
| **Maximum** | 14400.0 | 8.51 | 1.28 | 1570.0 | 0.0 | 0.0 | 0.17 |
| **Average** | 10981 | | 0.15533 | 1570 | 0 | 0 | 0.17 |
| **Count** | 4 | 4 | 30 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2011-12-14 15:12 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 217390 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-11-01 To: 2011-11-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-11-01 | | | | | | | |
| 2011-11-02 | | | | | | | |
| 2011-11-03 | 0.066 | | | | | | |
| 2011-11-04 | | | | | | | |
| 2011-11-05 | | | | | | | |
| 2011-11-06 | | | | | | | |
| 2011-11-07 | | | | | | | |
| 2011-11-08 | | | | | | | |
| 2011-11-09 | | | | | | | |
| 2011-11-10 | | | | | | | |
| 2011-11-11 | | | | | | | |
| 2011-11-12 | | | | | | | |
| 2011-11-13 | | | | | | | |
| 2011-11-14 | | | | | | | |
| 2011-11-15 | | | | | | | |
| 2011-11-16 | | | | | | | |
| 2011-11-17 | | | | | | | |
| 2011-11-18 | | | | | | | |
| 2011-11-19 | | | | | | | |
| 2011-11-20 | | | | | | | |
| 2011-11-21 | | | | | | | |
| 2011-11-22 | | | | | | | |
| 2011-11-23 | | | | | | | |
| 2011-11-24 | | | | | | | |
| 2011-11-25 | | | | | | | |
| 2011-11-26 | | | | | | | |
| 2011-11-27 | | | | | | | |
| 2011-11-28 | | | | | | | |
| 2011-11-29 | | | | | | | |
| 2011-11-30 | | | | | | | |
| **Minimum** | 0.066 | | | | | | |
| **Maximum** | 0.066 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.066 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-12-14 15:12 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 217390 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-11-01 To: 2011-11-30 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-11-01 | | | | | | | |
| 2011-11-02 | | | | | | | |
| 2011-11-03 | | | | | | | |
| 2011-11-04 | | | | | | | |
| 2011-11-05 | | | | | | | |
| 2011-11-06 | | | | | | | |
| 2011-11-07 | | | | | | | |
| 2011-11-08 | | | | | | | |
| 2011-11-09 | | | | | | | |
| 2011-11-10 | | | | | | | |
| 2011-11-11 | | | | | | | |
| 2011-11-12 | | | | | | | |
| 2011-11-13 | | | | | | | |
| 2011-11-14 | | | | | | | |
| 2011-11-15 | | | | | | | |
| 2011-11-16 | | | | | | | |
| 2011-11-17 | | | | | | | |
| 2011-11-18 | | | | | | | |
| 2011-11-19 | | | | | | | |
| 2011-11-20 | | | | | | | |
| 2011-11-21 | | | | | | | |
| 2011-11-22 | | | | | | | |
| 2011-11-23 | | | | | | | |
| 2011-11-24 | | | | | | | |
| 2011-11-25 | | | | | | | |
| 2011-11-26 | | | | | | | |
| 2011-11-27 | | | | | | | |
| 2011-11-28 | | | | | | | |
| 2011-11-29 | | | | | | | |
| 2011-11-30 | | | | | | | |
| **Minimum** | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2011-12-14 15:12 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 217390 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-11-01 To: 2011-11-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-11-01 | | | | | | | |
| 2011-11-02 | | | | | | | |
| 2011-11-03 | | | | | | | |
| 2011-11-04 | | | | | | | |
| 2011-11-05 | | | | | | | |
| 2011-11-06 | | | | | | | |
| 2011-11-07 | | | | | | | |
| 2011-11-08 | | | | | | | |
| 2011-11-09 | | | | | | | |
| 2011-11-10 | | | | | | | |
| 2011-11-11 | | | | | | | |
| 2011-11-12 | | | | | | | |
| 2011-11-13 | | | | | | | |
| 2011-11-14 | | | | | | | |
| 2011-11-15 | | | | | | | |
| 2011-11-16 | | | | | | | |
| 2011-11-17 | | | | | | | |
| 2011-11-18 | | | | | | | |
| 2011-11-19 | | | | | | | |
| 2011-11-20 | | | | | | | |
| 2011-11-21 | | | | | | | |
| 2011-11-22 | | | | | | | |
| 2011-11-23 | | | | | | | |
| 2011-11-24 | | | | | | | |
| 2011-11-25 | | | | | | | |
| 2011-11-26 | | | | | | | |
| 2011-11-27 | | | | | | | |
| 2011-11-28 | | | | | | | |
| 2011-11-29 | | | | | | | |
| 2011-11-30 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2011-12-14 15:12 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 223165 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-12-01 To: 2011-12-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-12-01 | | | 0.01 | | | | |
| 2011-12-02 | 12210 | 8.31 | 0.00 | 1630 | 10 | | 0.823 |
| 2011-12-03 | | | 0.01 | | | | |
| 2011-12-04 | | | 0.00 | | | | |
| 2011-12-05 | 9645 | 7.71 | 0.20 | | | AA .1 | |
| 2011-12-06 | | | 0.18 | | | | |
| 2011-12-07 | | | 0.22 | | | | |
| 2011-12-08 | | | 0.00 | | | | |
| 2011-12-09 | | | 0.04 | | | | |
| 2011-12-10 | | | 0.00 | | | | |
| 2011-12-11 | | | 0.00 | | | | |
| 2011-12-12 | | | 0.00 | | | | |
| 2011-12-13 | 8400 | 8.34 | 0.00 | | | | |
| 2011-12-14 | | | 0.26 | | | | |
| 2011-12-15 | | | 0.23 | | | | |
| 2011-12-16 | | | 0.00 | | | | |
| 2011-12-17 | | | 0.00 | | | | |
| 2011-12-18 | | | 0.04 | | | | |
| 2011-12-19 | | | 0.01 | | | | |
| 2011-12-20 | | | 0.31 | | | | |
| 2011-12-21 | 84000 | 8.01 | 0.69 | | | | |
| 2011-12-22 | | | 0.43 | | | | |
| 2011-12-23 | | | 0.04 | | | | |
| 2011-12-24 | | | 0.00 | | | | |
| 2011-12-25 | | | 0.01 | | | | |
| 2011-12-26 | | | 0.00 | | | | |
| 2011-12-27 | | | 0.93 | | | | |
| 2011-12-28 | 56280 | 8.22 | 0.04 | | | | |
| 2011-12-29 | | | 0.00 | | | | |
| 2011-12-30 | | | 0.03 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2011-12-31 | | | 0.02 | | | | |
| **Minimum** | 8400.0 | 7.71 | 0.0 | 1630.0 | 10.0 | 0.0 | 0.823 |
| **Maximum** | 84000.0 | 8.34 | 0.93 | 1630.0 | 10.0 | 0.0 | 0.823 |
| **Average** | 34107 | | 0.11935 | 1630 | 10 | 0 | 0.823 |
| **Count** | 5 | 5 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-01-12 09:01 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 223165 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-12-01 To: 2011-12-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-12-01 | | | | | | | |
| 2011-12-02 | 0.575 | | | | | | |
| 2011-12-03 | | | | | | | |
| 2011-12-04 | | | | | | | |
| 2011-12-05 | | | | | | | |
| 2011-12-06 | | | | | | | |
| 2011-12-07 | | | | | | | |
| 2011-12-08 | | | | | | | |
| 2011-12-09 | | | | | | | |
| 2011-12-10 | | | | | | | |
| 2011-12-11 | | | | | | | |
| 2011-12-12 | | | | | | | |
| 2011-12-13 | | | | | | | |
| 2011-12-14 | | | | | | | |
| 2011-12-15 | | | | | | | |
| 2011-12-16 | | | | | | | |
| 2011-12-17 | | | | | | | |
| 2011-12-18 | | | | | | | |
| 2011-12-19 | | | | | | | |
| 2011-12-20 | | | | | | | |
| 2011-12-21 | | | | | | | |
| 2011-12-22 | | | | | | | |
| 2011-12-23 | | | | | | | |
| 2011-12-24 | | | | | | | |
| 2011-12-25 | | | | | | | |
| 2011-12-26 | | | | | | | |
| 2011-12-27 | | | | | | | |
| 2011-12-28 | | | | | | | |
| 2011-12-29 | | | | | | | |
| 2011-12-30 | | | | | | | |
| 2011-12-31 | | | | | | | |
| **Minimum** | 0.575 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.575 | | | | | | |
| **Average** | 0.575 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-01-12 09:01 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 223165 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-12-01 To: 2011-12-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2011-12-01 | | | 0.01 | | | | |
| 2011-12-02 | AC | AC | 0.00 | | | | |
| 2011-12-03 | | | 0.01 | | | | |
| 2011-12-04 | | | 0.00 | | | | |
| 2011-12-05 | | | 0.20 | | | | |
| 2011-12-06 | | | 0.18 | | | | |
| 2011-12-07 | | | 0.22 | | | | |
| 2011-12-08 | | | 0.00 | | | | |
| 2011-12-09 | | | 0.04 | | | | |
| 2011-12-10 | | | 0.00 | | | | |
| 2011-12-11 | | | 0.00 | | | | |
| 2011-12-12 | | | 0.00 | | | | |
| 2011-12-13 | AC | AC | 0.00 | | | | |
| 2011-12-14 | | | 0.26 | | | | |
| 2011-12-15 | | | 0.23 | | | | |
| 2011-12-16 | | | 0.00 | | | | |
| 2011-12-17 | | | 0.00 | | | | |
| 2011-12-18 | | | 0.04 | | | | |
| 2011-12-19 | | | 0.01 | | | | |
| 2011-12-20 | | | 0.31 | | | | |
| 2011-12-21 | 48240 | 8.60 | 0.69 | | | | |
| 2011-12-22 | | | 0.43 | | | | |
| 2011-12-23 | | | 0.04 | | | | |
| 2011-12-24 | | | 0.00 | | | | |
| 2011-12-25 | | | 0.01 | | | | |
| 2011-12-26 | | | 0.00 | | | | |
| 2011-12-27 | | | 0.93 | | | | |
| 2011-12-28 | 7200 | 8.02 | 0.04 | 414 | 27 | AH | 1.97 |
| 2011-12-29 | | | 0.00 | | | | |
| 2011-12-30 | | | 0.03 | | | | |
| 2011-12-31 | | | 0.02 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 7200.0 | 8.02 | 0.0 | 414.0 | 27.0 | | 1.97 |
| **Maximum** | 48240.0 | 8.6 | 0.93 | 414.0 | 27.0 | | 1.97 |
| **Average** | 27720 | | 0.11935 | 414 | 27 | | 1.97 |
| **Count** | 2 | 2 | 31 | 1 | 1 | | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-01-12 09:01 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 223165 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2011-12-01 To: 2011-12-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2011-12-01 | | | | | | | |
| 2011-12-02 | | | | | | | |
| 2011-12-03 | | | | | | | |
| 2011-12-04 | | | | | | | |
| 2011-12-05 | | | | | | | |
| 2011-12-06 | | | | | | | |
| 2011-12-07 | | | | | | | |
| 2011-12-08 | | | | | | | |
| 2011-12-09 | | | | | | | |
| 2011-12-10 | | | | | | | |
| 2011-12-11 | | | | | | | |
| 2011-12-12 | | | | | | | |
| 2011-12-13 | | | | | | | |
| 2011-12-14 | | | | | | | |
| 2011-12-15 | | | | | | | |
| 2011-12-16 | | | | | | | |
| 2011-12-17 | | | | | | | |
| 2011-12-18 | | | | | | | |
| 2011-12-19 | | | | | | | |
| 2011-12-20 | | | | | | | |
| 2011-12-21 | | | | | | | |
| 2011-12-22 | | | | | | | |
| 2011-12-23 | | | | | | | |
| 2011-12-24 | | | | | | | |
| 2011-12-25 | | | | | | | |
| 2011-12-26 | | | | | | | |
| 2011-12-27 | | | | | | | |
| 2011-12-28 | 0.091 | | | | | | |
| 2011-12-29 | | | | | | | |
| 2011-12-30 | | | | | | | |
| 2011-12-31 | | | | | | | |
| **Minimum** | 0.091 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.091 | | | | | | |
| **Average** | 0.091 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-01-12 09:01 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 230634 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-01-01 To: 2012-01-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-01-01 | | | 0.02 | | | | |
| 2012-01-02 | | | 0.04 | | | | |
| 2012-01-03 | | | 0.00 | | | | |
| 2012-01-04 | | | 0.00 | | | | |
| 2012-01-05 | | | 0.00 | | | | |
| 2012-01-06 | 12164 | 7.52 | 0.00 | | | | |
| 2012-01-07 | | | 0.00 | | | | |
| 2012-01-08 | | | 0.00 | | | | |
| 2012-01-09 | | | 0.00 | | | | |
| 2012-01-10 | 10842 | 7.42 | 0.00 | 3070 | AA 4.75 | | 0.152 |
| 2012-01-11 | 10800 | 7.80 | 0.46 | | | AA .1 | |
| 2012-01-12 | | | 0.36 | | | | |
| 2012-01-13 | | | 0.00 | | | | |
| 2012-01-14 | | | 0.00 | | | | |
| 2012-01-15 | | | 0.01 | | | | |
| 2012-01-16 | | | 0.15 | | | | |
| 2012-01-17 | | | 0.70 | | | | |
| 2012-01-18 | | | 0.00 | | | | |
| 2012-01-19 | | | 0.00 | | | | |
| 2012-01-20 | 8846 | 7.87 | 0.03 | | | | |
| 2012-01-21 | | | 0.00 | | | | |
| 2012-01-22 | | | 0.26 | | | | |
| 2012-01-23 | | | 0.52 | | | | |
| 2012-01-24 | | | 0.00 | | | | |
| 2012-01-25 | | | 0.06 | | | | |
| 2012-01-26 | | | 1.08 | | | | |
| 2012-01-27 | 14400 | 7.14 | 0.39 | | | | |
| 2012-01-28 | | | 0.07 | | | | |
| 2012-01-29 | | | 0.00 | | | | |
| 2012-01-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2012-01-31 | | | 0.10 | | | | |
| **Minimum** | 8846.0 | 7.14 | 0.0 | 3070.0 | 0.0 | 0.0 | 0.152 |
| **Maximum** | 14400.0 | 7.87 | 1.08 | 3070.0 | 0.0 | 0.0 | 0.152 |
| **Average** | 11410.4 | | 0.1371 | 3070 | 0 | 0 | 0.152 |
| **Count** | 5 | 5 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-02-14 11:02 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 230634 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-01-01 To: 2012-01-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-01-01 | | | | | | | |
| 2012-01-02 | | | | | | | |
| 2012-01-03 | | | | | | | |
| 2012-01-04 | | | | | | | |
| 2012-01-05 | | | | | | | |
| 2012-01-06 | | | | | | | |
| 2012-01-07 | | | | | | | |
| 2012-01-08 | | | | | | | |
| 2012-01-09 | | | | | | | |
| 2012-01-10 | 0.719 | | | | | | |
| 2012-01-11 | | | | | | | |
| 2012-01-12 | | | | | | | |
| 2012-01-13 | | | | | | | |
| 2012-01-14 | | | | | | | |
| 2012-01-15 | | | | | | | |
| 2012-01-16 | | | | | | | |
| 2012-01-17 | | | | | | | |
| 2012-01-18 | | | | | | | |
| 2012-01-19 | | | | | | | |
| 2012-01-20 | | | | | | | |
| 2012-01-21 | | | | | | | |
| 2012-01-22 | | | | | | | |
| 2012-01-23 | | | | | | | |
| 2012-01-24 | | | | | | | |
| 2012-01-25 | | | | | | | |
| 2012-01-26 | | | | | | | |
| 2012-01-27 | | | | | | | |
| 2012-01-28 | | | | | | | |
| 2012-01-29 | | | | | | | |
| 2012-01-30 | | | | | | | |
| 2012-01-31 | | | | | | | |
| **Minimum** | 0.719 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.719 | | | | | | |
| **Average** | 0.719 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-02-14 11:02 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 230634 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-01-01 To: 2012-01-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-01-01 | | | 0.02 | | | | |
| 2012-01-02 | | | 0.04 | | | | |
| 2012-01-03 | | | 0.00 | | | | |
| 2012-01-04 | | | 0.00 | | | | |
| 2012-01-05 | | | 0.00 | | | | |
| 2012-01-06 | AC | AC | 0.00 | | | | |
| 2012-01-07 | | | 0.00 | | | | |
| 2012-01-08 | | | 0.00 | | | | |
| 2012-01-09 | | | 0.00 | | | | |
| 2012-01-10 | AC | AC | 0.00 | | | | |
| 2012-01-11 | | | 0.46 | | | | |
| 2012-01-12 | | | 0.36 | | | | |
| 2012-01-13 | | | 0.00 | | | | |
| 2012-01-14 | | | 0.00 | | | | |
| 2012-01-15 | | | 0.01 | | | | |
| 2012-01-16 | | | 0.15 | | | | |
| 2012-01-17 | | | 0.70 | | | | |
| 2012-01-18 | | | 0.00 | | | | |
| 2012-01-19 | | | 0.00 | | | | |
| 2012-01-20 | AC | AC | 0.03 | | | | |
| 2012-01-21 | | | 0.00 | | | | |
| 2012-01-22 | | | 0.26 | | | | |
| 2012-01-23 | | | 0.52 | | | | |
| 2012-01-24 | | | 0.00 | | | | |
| 2012-01-25 | | | 0.06 | | | | |
| 2012-01-26 | | | 1.08 | | | | |
| 2012-01-27 | | | 0.39 | | | | |
| 2012-01-28 | 720 | 8.89 | 0.07 | 419 | 6 | AA .1 | 2.03 |
| 2012-01-29 | | | 0.00 | | | | |
| 2012-01-30 | | | 0.00 | | | | |
| 2012-01-31 | | | 0.10 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 720.0 | 8.89 | 0.0 | 419.0 | 6.0 | 0.0 | 2.03 |
| **Maximum** | 720.0 | 8.89 | 1.08 | 419.0 | 6.0 | 0.0 | 2.03 |
| **Average** | 720 | | 0.1371 | 419 | 6 | 0 | 2.03 |
| **Count** | 1 | 1 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-02-14 11:02 |

Page 3

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 230634 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-01-01 To: 2012-01-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-01-01 | | | | | | | |
| 2012-01-02 | | | | | | | |
| 2012-01-03 | | | | | | | |
| 2012-01-04 | | | | | | | |
| 2012-01-05 | | | | | | | |
| 2012-01-06 | | | | | | | |
| 2012-01-07 | | | | | | | |
| 2012-01-08 | | | | | | | |
| 2012-01-09 | | | | | | | |
| 2012-01-10 | | | | | | | |
| 2012-01-11 | | | | | | | |
| 2012-01-12 | | | | | | | |
| 2012-01-13 | | | | | | | |
| 2012-01-14 | | | | | | | |
| 2012-01-15 | | | | | | | |
| 2012-01-16 | | | | | | | |
| 2012-01-17 | | | | | | | |
| 2012-01-18 | | | | | | | |
| 2012-01-19 | | | | | | | |
| 2012-01-20 | | | | | | | |
| 2012-01-21 | | | | | | | |
| 2012-01-22 | | | | | | | |
| 2012-01-23 | | | | | | | |
| 2012-01-24 | | | | | | | |
| 2012-01-25 | | | | | | | |
| 2012-01-26 | | | | | | | |
| 2012-01-27 | | | | | | | |
| 2012-01-28 | 0.187 | | | | | | |
| 2012-01-29 | | | | | | | |
| 2012-01-30 | | | | | | | |
| 2012-01-31 | | | | | | | |
| **Minimum** | 0.187 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.187 | | | | | | |
| **Average** | 0.187 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-02-14 11:02 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 236795 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-02-01 To: 2012-02-29 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-02-01 | | | 0.09 | | | | |
| 2012-02-02 | | | 0.00 | | | | |
| 2012-02-03 | | | 0.07 | | | | |
| 2012-02-04 | | | 0.25 | | | | |
| 2012-02-05 | | | 0.02 | | | | |
| 2012-02-06 | | | 0.00 | | | | |
| 2012-02-07 | 10828 | 7.61 | 0.00 | | | | |
| 2012-02-08 | | | 0.11 | | | | |
| 2012-02-09 | | | 0.00 | | | | |
| 2012-02-10 | | | 0.00 | | | | |
| 2012-02-11 | | | 0.01 | | | | |
| 2012-02-12 | | | 0.00 | | | | |
| 2012-02-13 | 10240 | 8.10 | 0.05 | 3420 | AA 4.75 | AA .1 | 0.244 |
| 2012-02-14 | | | 0.10 | | | | |
| 2012-02-15 | | | 0.00 | | | | |
| 2012-02-16 | | | 0.20 | | | | |
| 2012-02-17 | | | 0.00 | | | | |
| 2012-02-18 | | | 0.00 | | | | |
| 2012-02-19 | | | 0.00 | | | | |
| 2012-02-20 | 10400 | 8.12 | 0.00 | | | | |
| 2012-02-21 | | | 0.00 | | | | |
| 2012-02-22 | | | 0.04 | | | | |
| 2012-02-23 | | | 0.01 | | | | |
| 2012-02-24 | | | 0.06 | | | | |
| 2012-02-25 | | | 0.00 | | | | |
| 2012-02-26 | | | 0.00 | | | | |
| 2012-02-27 | 5400 | 7.92 | 0.00 | | | | |
| 2012-02-28 | | | 0.00 | | | | |
| 2012-02-29 | | | 0.67 | | | | |
| **Minimum** | 5400.0 | 7.61 | 0.0 | 3420.0 | 0.0 | 0.0 | 0.244 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 10828.0 | 8.12 | 0.67 | 3420.0 | 0.0 | 0.0 | 0.244 |
| **Average** | 9217 | | 0.05793 | 3420 | 0 | 0 | 0.244 |
| **Count** | 4 | 4 | 29 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-03-14 10:03 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 236795 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | **STATION CODE:** | 001 |
| | | **MONITORING PERIOD :** | 2012-02-01 To: 2012-02-29 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-02-01 | | | | | | | |
| 2012-02-02 | | | | | | | |
| 2012-02-03 | | | | | | | |
| 2012-02-04 | | | | | | | |
| 2012-02-05 | | | | | | | |
| 2012-02-06 | | | | | | | |
| 2012-02-07 | | | | | | | |
| 2012-02-08 | | | | | | | |
| 2012-02-09 | | | | | | | |
| 2012-02-10 | | | | | | | |
| 2012-02-11 | | | | | | | |
| 2012-02-12 | | | | | | | |
| 2012-02-13 | 0.428 | | | | | | |
| 2012-02-14 | | | | | | | |
| 2012-02-15 | | | | | | | |
| 2012-02-16 | | | | | | | |
| 2012-02-17 | | | | | | | |
| 2012-02-18 | | | | | | | |
| 2012-02-19 | | | | | | | |
| 2012-02-20 | | | | | | | |
| 2012-02-21 | | | | | | | |
| 2012-02-22 | | | | | | | |
| 2012-02-23 | | | | | | | |
| 2012-02-24 | | | | | | | |
| 2012-02-25 | | | | | | | |
| 2012-02-26 | | | | | | | |
| 2012-02-27 | | | | | | | |
| 2012-02-28 | | | | | | | |
| 2012-02-29 | | | | | | | |
| **Minimum** | 0.428 | | | | | | |
| **Maximum** | 0.428 | | | | | | |
| **Average** | 0.428 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-03-14 10:03 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 236795 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-02-01 To: 2012-02-29 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-02-01 | | | | | | | |
| 2012-02-02 | | | | | | | |
| 2012-02-03 | | | | | | | |
| 2012-02-04 | | | | | | | |
| 2012-02-05 | | | | | | | |
| 2012-02-06 | | | | | | | |
| 2012-02-07 | | | | | | | |
| 2012-02-08 | | | | | | | |
| 2012-02-09 | | | | | | | |
| 2012-02-10 | | | | | | | |
| 2012-02-11 | | | | | | | |
| 2012-02-12 | | | | | | | |
| 2012-02-13 | | | | | | | |
| 2012-02-14 | | | | | | | |
| 2012-02-15 | | | | | | | |
| 2012-02-16 | | | | | | | |
| 2012-02-17 | | | | | | | |
| 2012-02-18 | | | | | | | |
| 2012-02-19 | | | | | | | |
| 2012-02-20 | | | | | | | |
| 2012-02-21 | | | | | | | |
| 2012-02-22 | | | | | | | |
| 2012-02-23 | | | | | | | |
| 2012-02-24 | | | | | | | |
| 2012-02-25 | | | | | | | |
| 2012-02-26 | | | | | | | |
| 2012-02-27 | | | | | | | |
| 2012-02-28 | | | | | | | |
| 2012-02-29 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-03-14 10:03 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 236795 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | **STATION CODE:** | 002 |
| | | **MONITORING PERIOD :** | 2012-02-01 To: 2012-02-29 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-02-01 | | | | | | | |
| 2012-02-02 | | | | | | | |
| 2012-02-03 | | | | | | | |
| 2012-02-04 | | | | | | | |
| 2012-02-05 | | | | | | | |
| 2012-02-06 | | | | | | | |
| 2012-02-07 | | | | | | | |
| 2012-02-08 | | | | | | | |
| 2012-02-09 | | | | | | | |
| 2012-02-10 | | | | | | | |
| 2012-02-11 | | | | | | | |
| 2012-02-12 | | | | | | | |
| 2012-02-13 | | | | | | | |
| 2012-02-14 | | | | | | | |
| 2012-02-15 | | | | | | | |
| 2012-02-16 | | | | | | | |
| 2012-02-17 | | | | | | | |
| 2012-02-18 | | | | | | | |
| 2012-02-19 | | | | | | | |
| 2012-02-20 | | | | | | | |
| 2012-02-21 | | | | | | | |
| 2012-02-22 | | | | | | | |
| 2012-02-23 | | | | | | | |
| 2012-02-24 | | | | | | | |
| 2012-02-25 | | | | | | | |
| 2012-02-26 | | | | | | | |
| 2012-02-27 | | | | | | | |
| 2012-02-28 | | | | | | | |
| 2012-02-29 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-03-14 10:03 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 243632 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-03-01 To: 2012-03-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-03-01 | | | 0.03 | | | | |
| 2012-03-02 | | | 0.27 | | | | |
| 2012-03-03 | | | 0.00 | | | | |
| 2012-03-04 | | | 0.00 | | | | |
| 2012-03-05 | 33608 | 7.62 | 0.01 | 707 | AA 4.75 | AA .1 | 0.656 |
| 2012-03-06 | | | 0.01 | | | | |
| 2012-03-07 | | | 0.00 | | | | |
| 2012-03-08 | | | 1.07 | | | | |
| 2012-03-09 | | | 0.01 | | | | |
| 2012-03-10 | | | 0.00 | | | | |
| 2012-03-11 | | | 0.00 | | | | |
| 2012-03-12 | 12164 | 7.83 | 0.33 | | | | |
| 2012-03-13 | | | 0.00 | | | | |
| 2012-03-14 | | | 0.00 | | | | |
| 2012-03-15 | | | 0.18 | | | | |
| 2012-03-16 | | | 0.14 | | | | |
| 2012-03-17 | | | 0.00 | | | | |
| 2012-03-18 | | | 0.60 | | | | |
| 2012-03-19 | | | 1.16 | | | | |
| 2012-03-20 | 12960 | 8.58 | 0.00 | | | | |
| 2012-03-21 | | | 0.00 | | | | |
| 2012-03-22 | | | 0.00 | | | | |
| 2012-03-23 | | | 0.35 | | | | |
| 2012-03-24 | | | 0.03 | | | | |
| 2012-03-25 | | | 0.00 | | | | |
| 2012-03-26 | 63985 | 8.22 | 0.00 | | | | |
| 2012-03-27 | | | 0.00 | | | | |
| 2012-03-28 | | | 0.10 | | | | |
| 2012-03-29 | | | 0.00 | | | | |
| 2012-03-30 | | | 0.66 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2012-03-31 | | | 0.00 | | | | |
| **Minimum** | 12164.0 | 7.62 | 0.0 | 707.0 | 0.0 | 0.0 | 0.656 |
| **Maximum** | 63985.0 | 8.58 | 1.16 | 707.0 | 0.0 | 0.0 | 0.656 |
| **Average** | 30679.25 | | 0.15968 | 707 | 0 | 0 | 0.656 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-04-17 11:04 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 243632 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | **STATION CODE:** | 001 |
| | | **MONITORING PERIOD :** | 2012-03-01 To: 2012-03-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-03-01 | | | | | | | |
| 2012-03-02 | | | | | | | |
| 2012-03-03 | | | | | | | |
| 2012-03-04 | | | | | | | |
| 2012-03-05 | 0.09 | | | | | | |
| 2012-03-06 | | | | | | | |
| 2012-03-07 | | | | | | | |
| 2012-03-08 | | | | | | | |
| 2012-03-09 | | | | | | | |
| 2012-03-10 | | | | | | | |
| 2012-03-11 | | | | | | | |
| 2012-03-12 | | | | | | | |
| 2012-03-13 | | | | | | | |
| 2012-03-14 | | | | | | | |
| 2012-03-15 | | | | | | | |
| 2012-03-16 | | | | | | | |
| 2012-03-17 | | | | | | | |
| 2012-03-18 | | | | | | | |
| 2012-03-19 | | | | | | | |
| 2012-03-20 | | | | | | | |
| 2012-03-21 | | | | | | | |
| 2012-03-22 | | | | | | | |
| 2012-03-23 | | | | | | | |
| 2012-03-24 | | | | | | | |
| 2012-03-25 | | | | | | | |
| 2012-03-26 | | | | | | | |
| 2012-03-27 | | | | | | | |
| 2012-03-28 | | | | | | | |
| 2012-03-29 | | | | | | | |
| 2012-03-30 | | | | | | | |
| 2012-03-31 | | | | | | | |
| **Minimum** | 0.09 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.09 | | | | | | |
| **Average** | 0.09 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-04-17 11:04 |

Page 2

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 243632 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-03-01 To: 2012-03-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-03-01 | | | 0.03 | | | | |
| 2012-03-02 | | | 0.27 | | | | |
| 2012-03-03 | | | 0.00 | | | | |
| 2012-03-04 | | | 0.00 | | | | |
| 2012-03-05 | AC | AC | 0.01 | | | | |
| 2012-03-06 | | | 0.01 | | | | |
| 2012-03-07 | | | 0.00 | | | | |
| 2012-03-08 | | | 1.07 | | | | |
| 2012-03-09 | | | 0.01 | | | | |
| 2012-03-10 | | | 0.00 | | | | |
| 2012-03-11 | | | 0.00 | | | | |
| 2012-03-12 | AC | AC | 0.33 | | | | |
| 2012-03-13 | | | 0.00 | | | | |
| 2012-03-14 | | | 0.00 | | | | |
| 2012-03-15 | | | 0.18 | | | | |
| 2012-03-16 | | | 0.14 | | | | |
| 2012-03-17 | | | 0.00 | | | | |
| 2012-03-18 | | | 0.60 | | | | |
| 2012-03-19 | | | 1.16 | | | | |
| 2012-03-20 | 1080 | 8.47 | 0.00 | | | | |
| 2012-03-21 | | | 0.00 | | | | |
| 2012-03-22 | | | 0.00 | | | | |
| 2012-03-23 | | | 0.35 | | | | |
| 2012-03-24 | | | 0.03 | | | | |
| 2012-03-25 | | | 0.00 | | | | |
| 2012-03-26 | AC | AC | 0.00 | | | | |
| 2012-03-27 | | | 0.00 | | | | |
| 2012-03-28 | | | 0.10 | | | | |
| 2012-03-29 | | | 0.00 | | | | |
| 2012-03-30 | | | 0.66 | | | | |
| 2012-03-31 | 2880 | 7.32 | 0.00 | 272 | AA 9.5 | AA .1 | 0.694 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 1080.0 | 7.32 | 0.0 | 272.0 | 0.0 | 0.0 | 0.694 |
| **Maximum** | 2880.0 | 8.47 | 1.16 | 272.0 | 0.0 | 0.0 | 0.694 |
| **Average** | 1980 | | 0.15968 | 272 | 0 | 0 | 0.694 |
| **Count** | 2 | 2 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-04-17 11:04 |

Page 3

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 243632 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-03-01 To: 2012-03-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-03-01 | | | | | | | |
| 2012-03-02 | | | | | | | |
| 2012-03-03 | | | | | | | |
| 2012-03-04 | | | | | | | |
| 2012-03-05 | | | | | | | |
| 2012-03-06 | | | | | | | |
| 2012-03-07 | | | | | | | |
| 2012-03-08 | | | | | | | |
| 2012-03-09 | | | | | | | |
| 2012-03-10 | | | | | | | |
| 2012-03-11 | | | | | | | |
| 2012-03-12 | | | | | | | |
| 2012-03-13 | | | | | | | |
| 2012-03-14 | | | | | | | |
| 2012-03-15 | | | | | | | |
| 2012-03-16 | | | | | | | |
| 2012-03-17 | | | | | | | |
| 2012-03-18 | | | | | | | |
| 2012-03-19 | | | | | | | |
| 2012-03-20 | | | | | | | |
| 2012-03-21 | | | | | | | |
| 2012-03-22 | | | | | | | |
| 2012-03-23 | | | | | | | |
| 2012-03-24 | | | | | | | |
| 2012-03-25 | | | | | | | |
| 2012-03-26 | | | | | | | |
| 2012-03-27 | | | | | | | |
| 2012-03-28 | | | | | | | |
| 2012-03-29 | | | | | | | |
| 2012-03-30 | | | | | | | |
| 2012-03-31 | 0.136 | | | | | | |
| **Minimum** | 0.136 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.136 | | | | | | |
| **Average** | 0.136 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-04-17 11:04 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 249458 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-04-01 To: 2012-04-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-04-01 | | | 0.16 | | | | |
| 2012-04-02 | | | 0.02 | | | | |
| 2012-04-03 | | | 0.01 | | | | |
| 2012-04-04 | 30829 | 7.37 | 0.02 | 2100 | AA 4.75 | AA .1 | 0.107 |
| 2012-04-05 | | | 0.00 | | | | |
| 2012-04-06 | | | 0.00 | | | | |
| 2012-04-07 | | | 0.00 | | | | |
| 2012-04-08 | | | 0.00 | | | | |
| 2012-04-09 | | | 0.00 | | | | |
| 2012-04-10 | | | 0.06 | | | | |
| 2012-04-11 | 8725 | 7.62 | 0.01 | | | | |
| 2012-04-12 | | | 0.01 | | | | |
| 2012-04-13 | | | 0.02 | | | | |
| 2012-04-14 | | | 0.45 | | | | |
| 2012-04-15 | | | 0.01 | | | | |
| 2012-04-16 | | | 0.00 | | | | |
| 2012-04-17 | | | 0.00 | | | | |
| 2012-04-18 | 4635 | 8.18 | 0.00 | | | | |
| 2012-04-19 | | | 0.00 | | | | |
| 2012-04-20 | | | 0.00 | | | | |
| 2012-04-21 | | | 0.33 | | | | |
| 2012-04-22 | | | 0.03 | | | | |
| 2012-04-23 | | | 0.30 | | | | |
| 2012-04-24 | | | 0.00 | | | | |
| 2012-04-25 | 14542 | 7.96 | 0.02 | | | | |
| 2012-04-26 | | | 0.20 | | | | |
| 2012-04-27 | | | 0.00 | | | | |
| 2012-04-28 | | | 0.01 | | | | |
| 2012-04-29 | | | 0.01 | | | | |
| 2012-04-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 4635.0 | 7.37 | 0.0 | 2100.0 | 0.0 | 0.0 | 0.107 |
| **Maximum** | 30829.0 | 8.18 | 0.45 | 2100.0 | 0.0 | 0.0 | 0.107 |
| **Average** | 14682.75 | | 0.05567 | 2100 | 0 | 0 | 0.107 |
| **Count** | 4 | 4 | 30 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Jon Nagel | | | 2012-05-15 08:05 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 249458 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-04-01 To: 2012-04-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-04-01 | | | | | | | |
| 2012-04-02 | | | | | | | |
| 2012-04-03 | | | | | | | |
| 2012-04-04 | 0.011 | | | | | | |
| 2012-04-05 | | | | | | | |
| 2012-04-06 | | | | | | | |
| 2012-04-07 | | | | | | | |
| 2012-04-08 | | | | | | | |
| 2012-04-09 | | | | | | | |
| 2012-04-10 | | | | | | | |
| 2012-04-11 | | | | | | | |
| 2012-04-12 | | | | | | | |
| 2012-04-13 | | | | | | | |
| 2012-04-14 | | | | | | | |
| 2012-04-15 | | | | | | | |
| 2012-04-16 | | | | | | | |
| 2012-04-17 | | | | | | | |
| 2012-04-18 | | | | | | | |
| 2012-04-19 | | | | | | | |
| 2012-04-20 | | | | | | | |
| 2012-04-21 | | | | | | | |
| 2012-04-22 | | | | | | | |
| 2012-04-23 | | | | | | | |
| 2012-04-24 | | | | | | | |
| 2012-04-25 | | | | | | | |
| 2012-04-26 | | | | | | | |
| 2012-04-27 | | | | | | | |
| 2012-04-28 | | | | | | | |
| 2012-04-29 | | | | | | | |
| 2012-04-30 | | | | | | | |
| **Minimum** | 0.011 | | | | | | |
| **Maximum** | 0.011 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.011 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Jon Nagel | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-05-15 08:05 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 249458 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-04-01 To: 2012-04-30 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-04-01 | | | | | | | |
| 2012-04-02 | | | | | | | |
| 2012-04-03 | | | | | | | |
| 2012-04-04 | | | | | | | |
| 2012-04-05 | | | | | | | |
| 2012-04-06 | | | | | | | |
| 2012-04-07 | | | | | | | |
| 2012-04-08 | | | | | | | |
| 2012-04-09 | | | | | | | |
| 2012-04-10 | | | | | | | |
| 2012-04-11 | | | | | | | |
| 2012-04-12 | | | | | | | |
| 2012-04-13 | | | | | | | |
| 2012-04-14 | | | | | | | |
| 2012-04-15 | | | | | | | |
| 2012-04-16 | | | | | | | |
| 2012-04-17 | | | | | | | |
| 2012-04-18 | | | | | | | |
| 2012-04-19 | | | | | | | |
| 2012-04-20 | | | | | | | |
| 2012-04-21 | | | | | | | |
| 2012-04-22 | | | | | | | |
| 2012-04-23 | | | | | | | |
| 2012-04-24 | | | | | | | |
| 2012-04-25 | | | | | | | |
| 2012-04-26 | | | | | | | |
| 2012-04-27 | | | | | | | |
| 2012-04-28 | | | | | | | |
| 2012-04-29 | | | | | | | |
| 2012-04-30 | | | | | | | |
| **Minimum** | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Jon Nagel | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-05-15 08:05 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 249458 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-04-01 To: 2012-04-30 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-04-01 | | | | | | | |
| 2012-04-02 | | | | | | | |
| 2012-04-03 | | | | | | | |
| 2012-04-04 | | | | | | | |
| 2012-04-05 | | | | | | | |
| 2012-04-06 | | | | | | | |
| 2012-04-07 | | | | | | | |
| 2012-04-08 | | | | | | | |
| 2012-04-09 | | | | | | | |
| 2012-04-10 | | | | | | | |
| 2012-04-11 | | | | | | | |
| 2012-04-12 | | | | | | | |
| 2012-04-13 | | | | | | | |
| 2012-04-14 | | | | | | | |
| 2012-04-15 | | | | | | | |
| 2012-04-16 | | | | | | | |
| 2012-04-17 | | | | | | | |
| 2012-04-18 | | | | | | | |
| 2012-04-19 | | | | | | | |
| 2012-04-20 | | | | | | | |
| 2012-04-21 | | | | | | | |
| 2012-04-22 | | | | | | | |
| 2012-04-23 | | | | | | | |
| 2012-04-24 | | | | | | | |
| 2012-04-25 | | | | | | | |
| 2012-04-26 | | | | | | | |
| 2012-04-27 | | | | | | | |
| 2012-04-28 | | | | | | | |
| 2012-04-29 | | | | | | | |
| 2012-04-30 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Jon Nagel | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-05-15 08:05 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 255182 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-05-01 To: 2012-05-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-05-01 | | | 0.46 | | | | |
| 2012-05-02 | | | 0.90 | | | | |
| 2012-05-03 | 9694 | 7.98 | 0.00 | 1720 | 5 | AA .1 | 0.464 |
| 2012-05-04 | | | 0.07 | | | | |
| 2012-05-05 | | | 0.00 | | | | |
| 2012-05-06 | | | 0.00 | | | | |
| 2012-05-07 | | | 0.14 | | | | |
| 2012-05-08 | | | 1.66 | | | | |
| 2012-05-09 | | | 0.02 | | | | |
| 2012-05-10 | 12279 | 8.18 | 0.01 | | | | |
| 2012-05-11 | | | 0.00 | | | | |
| 2012-05-12 | | | 0.00 | | | | |
| 2012-05-13 | | | 0.29 | | | | |
| 2012-05-14 | | | 0.07 | | | | |
| 2012-05-15 | | | 0.00 | | | | |
| 2012-05-16 | | | 0.00 | | | | |
| 2012-05-17 | 3600 | 8.46 | 0.00 | | | | |
| 2012-05-18 | | | 0.00 | | | | |
| 2012-05-19 | | | 0.00 | | | | |
| 2012-05-20 | | | 0.00 | | | | |
| 2012-05-21 | | | 0.00 | | | | |
| 2012-05-22 | | | 0.00 | | | | |
| 2012-05-23 | 1918 | 8.78 | 0.00 | | | | |
| 2012-05-24 | | | 0.00 | | | | |
| 2012-05-25 | | | 0.00 | | | | |
| 2012-05-26 | | | 0.00 | | | | |
| 2012-05-27 | | | 0.00 | | | | |
| 2012-05-28 | | | 0.00 | | | | |
| 2012-05-29 | | | 0.67 | | | | |
| 2012-05-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2012-05-31 | | | 0.00 | | | | |
| **Minimum** | 1918.0 | 7.98 | 0.0 | 1720.0 | 5.0 | 0.0 | 0.464 |
| **Maximum** | 12279.0 | 8.78 | 1.66 | 1720.0 | 5.0 | 0.0 | 0.464 |
| **Average** | 6872.75 | | 0.13839 | 1720 | 5 | 0 | 0.464 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Jon Nagel | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-06-13 08:06 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 255182 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-05-01 To: 2012-05-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-05-01 | | | | | | | |
| 2012-05-02 | | | | | | | |
| 2012-05-03 | 0.028 | | | | | | |
| 2012-05-04 | | | | | | | |
| 2012-05-05 | | | | | | | |
| 2012-05-06 | | | | | | | |
| 2012-05-07 | | | | | | | |
| 2012-05-08 | | | | | | | |
| 2012-05-09 | | | | | | | |
| 2012-05-10 | | | | | | | |
| 2012-05-11 | | | | | | | |
| 2012-05-12 | | | | | | | |
| 2012-05-13 | | | | | | | |
| 2012-05-14 | | | | | | | |
| 2012-05-15 | | | | | | | |
| 2012-05-16 | | | | | | | |
| 2012-05-17 | | | | | | | |
| 2012-05-18 | | | | | | | |
| 2012-05-19 | | | | | | | |
| 2012-05-20 | | | | | | | |
| 2012-05-21 | | | | | | | |
| 2012-05-22 | | | | | | | |
| 2012-05-23 | | | | | | | |
| 2012-05-24 | | | | | | | |
| 2012-05-25 | | | | | | | |
| 2012-05-26 | | | | | | | |
| 2012-05-27 | | | | | | | |
| 2012-05-28 | | | | | | | |
| 2012-05-29 | | | | | | | |
| 2012-05-30 | | | | | | | |
| 2012-05-31 | | | | | | | |
| **Minimum** | 0.028 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.028 | | | | | | |
| **Average** | 0.028 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Jon Nagel | | | 2012-06-13 08:06 |

Page 2

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 255182 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-05-01 To: 2012-05-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-05-01 | | | 0.46 | | | | |
| 2012-05-02 | | | 0.90 | | | | |
| 2012-05-03 | AC | AC | 0.00 | | | | |
| 2012-05-04 | | | 0.07 | | | | |
| 2012-05-05 | | | 0.00 | | | | |
| 2012-05-06 | | | 0.00 | | | | |
| 2012-05-07 | | | 0.14 | | | | |
| 2012-05-08 | | | 1.66 | | | | |
| 2012-05-09 | | | 0.02 | | | | |
| 2012-05-10 | 1028 | 7.77 | 0.01 | 278 | 5 | AA .1 | 0.535 |
| 2012-05-11 | | | 0.00 | | | | |
| 2012-05-12 | | | 0.00 | | | | |
| 2012-05-13 | | | 0.29 | | | | |
| 2012-05-14 | | | 0.07 | | | | |
| 2012-05-15 | | | 0.00 | | | | |
| 2012-05-16 | | | 0.00 | | | | |
| 2012-05-17 | AC | AC | 0.00 | | | | |
| 2012-05-18 | | | 0.00 | | | | |
| 2012-05-19 | | | 0.00 | | | | |
| 2012-05-20 | | | 0.00 | | | | |
| 2012-05-21 | | | 0.00 | | | | |
| 2012-05-22 | | | 0.00 | | | | |
| 2012-05-23 | AC | AC | 0.00 | | | | |
| 2012-05-24 | | | 0.00 | | | | |
| 2012-05-25 | | | 0.00 | | | | |
| 2012-05-26 | | | 0.00 | | | | |
| 2012-05-27 | | | 0.00 | | | | |
| 2012-05-28 | | | 0.00 | | | | |
| 2012-05-29 | | | 0.67 | | | | |
| 2012-05-30 | | | 0.00 | | | | |
| 2012-05-31 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 1028.0 | 7.77 | 0.0 | 278.0 | 5.0 | 0.0 | 0.535 |
| **Maximum** | 1028.0 | 7.77 | 1.66 | 278.0 | 5.0 | 0.0 | 0.535 |
| **Average** | 1028 | | 0.13839 | 278 | 5 | 0 | 0.535 |
| **Count** | 1 | 1 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Jon Nagel | | | 2012-06-13 08:06 |

Page 3

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 255182 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-05-01 To: 2012-05-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-05-01 | | | | | | | |
| 2012-05-02 | | | | | | | |
| 2012-05-03 | | | | | | | |
| 2012-05-04 | | | | | | | |
| 2012-05-05 | | | | | | | |
| 2012-05-06 | | | | | | | |
| 2012-05-07 | | | | | | | |
| 2012-05-08 | | | | | | | |
| 2012-05-09 | | | | | | | |
| 2012-05-10 | 0.137 | | | | | | |
| 2012-05-11 | | | | | | | |
| 2012-05-12 | | | | | | | |
| 2012-05-13 | | | | | | | |
| 2012-05-14 | | | | | | | |
| 2012-05-15 | | | | | | | |
| 2012-05-16 | | | | | | | |
| 2012-05-17 | | | | | | | |
| 2012-05-18 | | | | | | | |
| 2012-05-19 | | | | | | | |
| 2012-05-20 | | | | | | | |
| 2012-05-21 | | | | | | | |
| 2012-05-22 | | | | | | | |
| 2012-05-23 | | | | | | | |
| 2012-05-24 | | | | | | | |
| 2012-05-25 | | | | | | | |
| 2012-05-26 | | | | | | | |
| 2012-05-27 | | | | | | | |
| 2012-05-28 | | | | | | | |
| 2012-05-29 | | | | | | | |
| 2012-05-30 | | | | | | | |
| 2012-05-31 | | | | | | | |
| **Minimum** | 0.137 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.137 | | | | | | |
| **Average** | 0.137 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Jon Nagel | | | 2012-06-13 08:06 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 261557 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-06-01 To: 2012-06-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-06-01 | | | 1.79 | | | | |
| 2012-06-02 | | | 0.06 | | | | |
| 2012-06-03 | | | 0.01 | | | | |
| 2012-06-04 | | | 0.00 | | | | |
| 2012-06-05 | | | 0.00 | | | | |
| 2012-06-06 | 1014 | 8.43 | 0.00 | 2870 | AA 2.5 | AA .1 | 0.048 |
| 2012-06-07 | | | 0.00 | | | | |
| 2012-06-08 | | | 0.00 | | | | |
| 2012-06-09 | | | 0.00 | | | | |
| 2012-06-10 | | | 0.00 | | | | |
| 2012-06-11 | | | 0.05 | | | | |
| 2012-06-12 | | | 0.01 | | | | |
| 2012-06-13 | 596 | 8.61 | 0.00 | | | | |
| 2012-06-14 | | | 0.00 | | | | |
| 2012-06-15 | | | 0.00 | | | | |
| 2012-06-16 | | | 0.00 | | | | |
| 2012-06-17 | | | 0.02 | | | | |
| 2012-06-18 | | | 0.83 | | | | |
| 2012-06-19 | | | 0.01 | | | | |
| 2012-06-20 | 2366 | 8.65 | 0.00 | | | | |
| 2012-06-21 | | | 0.00 | | | | |
| 2012-06-22 | | | 0.02 | | | | |
| 2012-06-23 | | | 0.00 | | | | |
| 2012-06-24 | | | 0.00 | | | | |
| 2012-06-25 | 480 | 8.43 | 0.12 | | | | |
| 2012-06-26 | | | 0.00 | | | | |
| 2012-06-27 | | | 0.00 | | | | |
| 2012-06-28 | | | 0.00 | | | | |
| 2012-06-29 | | | 0.73 | | | | |
| 2012-06-30 | | | 0.01 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 480.0 | 8.43 | 0.0 | 2870.0 | 0.0 | 0.0 | 0.048 |
| **Maximum** | 2366.0 | 8.65 | 1.79 | 2870.0 | 0.0 | 0.0 | 0.048 |
| **Average** | 1114 | | 0.122 | 2870 | 0 | 0 | 0.048 |
| **Count** | 4 | 4 | 30 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-07-13 11:07 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 261557 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | **STATION CODE:** | 001 |
| | | **MONITORING PERIOD :** | 2012-06-01 To: 2012-06-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-06-01 | | | | | | | |
| 2012-06-02 | | | | | | | |
| 2012-06-03 | | | | | | | |
| 2012-06-04 | | | | | | | |
| 2012-06-05 | | | | | | | |
| 2012-06-06 | 0.012 | | | | | | |
| 2012-06-07 | | | | | | | |
| 2012-06-08 | | | | | | | |
| 2012-06-09 | | | | | | | |
| 2012-06-10 | | | | | | | |
| 2012-06-11 | | | | | | | |
| 2012-06-12 | | | | | | | |
| 2012-06-13 | | | | | | | |
| 2012-06-14 | | | | | | | |
| 2012-06-15 | | | | | | | |
| 2012-06-16 | | | | | | | |
| 2012-06-17 | | | | | | | |
| 2012-06-18 | | | | | | | |
| 2012-06-19 | | | | | | | |
| 2012-06-20 | | | | | | | |
| 2012-06-21 | | | | | | | |
| 2012-06-22 | | | | | | | |
| 2012-06-23 | | | | | | | |
| 2012-06-24 | | | | | | | |
| 2012-06-25 | | | | | | | |
| 2012-06-26 | | | | | | | |
| 2012-06-27 | | | | | | | |
| 2012-06-28 | | | | | | | |
| 2012-06-29 | | | | | | | |
| 2012-06-30 | | | | | | | |
| **Minimum** | 0.012 | | | | | | |
| **Maximum** | 0.012 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.012 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-07-13 11:07 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 261557 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-06-01 To: 2012-06-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-06-01 | | | | | | | |
| 2012-06-02 | | | | | | | |
| 2012-06-03 | | | | | | | |
| 2012-06-04 | | | | | | | |
| 2012-06-05 | | | | | | | |
| 2012-06-06 | | | | | | | |
| 2012-06-07 | | | | | | | |
| 2012-06-08 | | | | | | | |
| 2012-06-09 | | | | | | | |
| 2012-06-10 | | | | | | | |
| 2012-06-11 | | | | | | | |
| 2012-06-12 | | | | | | | |
| 2012-06-13 | | | | | | | |
| 2012-06-14 | | | | | | | |
| 2012-06-15 | | | | | | | |
| 2012-06-16 | | | | | | | |
| 2012-06-17 | | | | | | | |
| 2012-06-18 | | | | | | | |
| 2012-06-19 | | | | | | | |
| 2012-06-20 | | | | | | | |
| 2012-06-21 | | | | | | | |
| 2012-06-22 | | | | | | | |
| 2012-06-23 | | | | | | | |
| 2012-06-24 | | | | | | | |
| 2012-06-25 | | | | | | | |
| 2012-06-26 | | | | | | | |
| 2012-06-27 | | | | | | | |
| 2012-06-28 | | | | | | | |
| 2012-06-29 | | | | | | | |
| 2012-06-30 | | | | | | | |
| **Minimum** | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-07-13 11:07 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 261557 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-06-01 To: 2012-06-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-06-01 | | | | | | | |
| 2012-06-02 | | | | | | | |
| 2012-06-03 | | | | | | | |
| 2012-06-04 | | | | | | | |
| 2012-06-05 | | | | | | | |
| 2012-06-06 | | | | | | | |
| 2012-06-07 | | | | | | | |
| 2012-06-08 | | | | | | | |
| 2012-06-09 | | | | | | | |
| 2012-06-10 | | | | | | | |
| 2012-06-11 | | | | | | | |
| 2012-06-12 | | | | | | | |
| 2012-06-13 | | | | | | | |
| 2012-06-14 | | | | | | | |
| 2012-06-15 | | | | | | | |
| 2012-06-16 | | | | | | | |
| 2012-06-17 | | | | | | | |
| 2012-06-18 | | | | | | | |
| 2012-06-19 | | | | | | | |
| 2012-06-20 | | | | | | | |
| 2012-06-21 | | | | | | | |
| 2012-06-22 | | | | | | | |
| 2012-06-23 | | | | | | | |
| 2012-06-24 | | | | | | | |
| 2012-06-25 | | | | | | | |
| 2012-06-26 | | | | | | | |
| 2012-06-27 | | | | | | | |
| 2012-06-28 | | | | | | | |
| 2012-06-29 | | | | | | | |
| 2012-06-30 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-07-13 11:07 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 268746 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-07-01 To: 2012-07-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-07-01 | | | 0.20 | | | | |
| 2012-07-02 | | | 0.01 | | | | |
| 2012-07-03 | | | 0.00 | | | | |
| 2012-07-04 | | | 0.00 | | | | |
| 2012-07-05 | AC | AC | 0.09 | | | | |
| 2012-07-06 | | | 0.05 | | | | |
| 2012-07-07 | | | 0.00 | | | | |
| 2012-07-08 | | | 0.00 | | | | |
| 2012-07-09 | | | 0.00 | | | | |
| 2012-07-10 | | | 0.00 | | | | |
| 2012-07-11 | AC | AC | 0.00 | | | | |
| 2012-07-12 | | | 0.00 | | | | |
| 2012-07-13 | | | 0.00 | | | | |
| 2012-07-14 | | | 0.42 | | | | |
| 2012-07-15 | | | 0.15 | | | | |
| 2012-07-16 | | | 0.00 | | | | |
| 2012-07-17 | | | 0.00 | | | | |
| 2012-07-18 | AC | AC | 1.67 | | | | |
| 2012-07-19 | | | 1.34 | | | | |
| 2012-07-20 | | | 1.30 | | | | |
| 2012-07-21 | | | 0.00 | | | | |
| 2012-07-22 | | | 0.01 | | | | |
| 2012-07-23 | | | 0.00 | | | | |
| 2012-07-24 | | | 0.00 | | | | |
| 2012-07-25 | 966 | 8.25 | 0.01 | 1150 | 19 | AA .1 | 0.399 |
| 2012-07-26 | | | 0.50 | | | | |
| 2012-07-27 | | | 0.04 | | | | |
| 2012-07-28 | | | 0.00 | | | | |
| 2012-07-29 | | | 0.00 | | | | |
| 2012-07-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2012-07-31 | | | 0.00 | | | | |
| **Minimum** | 966.0 | 8.25 | 0.0 | 1150.0 | 19.0 | 0.0 | 0.399 |
| **Maximum** | 966.0 | 8.25 | 1.67 | 1150.0 | 19.0 | 0.0 | 0.399 |
| **Average** | 966 | | 0.18677 | 1150 | 19 | 0 | 0.399 |
| **Count** | 1 | 1 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-08-15 07:08 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 268746 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-07-01 To: 2012-07-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-07-01 | | | | | | | |
| 2012-07-02 | | | | | | | |
| 2012-07-03 | | | | | | | |
| 2012-07-04 | | | | | | | |
| 2012-07-05 | | | | | | | |
| 2012-07-06 | | | | | | | |
| 2012-07-07 | | | | | | | |
| 2012-07-08 | | | | | | | |
| 2012-07-09 | | | | | | | |
| 2012-07-10 | | | | | | | |
| 2012-07-11 | | | | | | | |
| 2012-07-12 | | | | | | | |
| 2012-07-13 | | | | | | | |
| 2012-07-14 | | | | | | | |
| 2012-07-15 | | | | | | | |
| 2012-07-16 | | | | | | | |
| 2012-07-17 | | | | | | | |
| 2012-07-18 | | | | | | | |
| 2012-07-19 | | | | | | | |
| 2012-07-20 | | | | | | | |
| 2012-07-21 | | | | | | | |
| 2012-07-22 | | | | | | | |
| 2012-07-23 | | | | | | | |
| 2012-07-24 | | | | | | | |
| 2012-07-25 | 0.371 | | | | | | |
| 2012-07-26 | | | | | | | |
| 2012-07-27 | | | | | | | |
| 2012-07-28 | | | | | | | |
| 2012-07-29 | | | | | | | |
| 2012-07-30 | | | | | | | |
| 2012-07-31 | | | | | | | |
| **Minimum** | 0.371 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.371 | | | | | | |
| **Average** | 0.371 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-08-15 07:08 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 268746 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-07-01 To: 2012-07-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-07-01 | | | | | | | |
| 2012-07-02 | | | | | | | |
| 2012-07-03 | | | | | | | |
| 2012-07-04 | | | | | | | |
| 2012-07-05 | | | | | | | |
| 2012-07-06 | | | | | | | |
| 2012-07-07 | | | | | | | |
| 2012-07-08 | | | | | | | |
| 2012-07-09 | | | | | | | |
| 2012-07-10 | | | | | | | |
| 2012-07-11 | | | | | | | |
| 2012-07-12 | | | | | | | |
| 2012-07-13 | | | | | | | |
| 2012-07-14 | | | | | | | |
| 2012-07-15 | | | | | | | |
| 2012-07-16 | | | | | | | |
| 2012-07-17 | | | | | | | |
| 2012-07-18 | | | | | | | |
| 2012-07-19 | | | | | | | |
| 2012-07-20 | | | | | | | |
| 2012-07-21 | | | | | | | |
| 2012-07-22 | | | | | | | |
| 2012-07-23 | | | | | | | |
| 2012-07-24 | | | | | | | |
| 2012-07-25 | | | | | | | |
| 2012-07-26 | | | | | | | |
| 2012-07-27 | | | | | | | |
| 2012-07-28 | | | | | | | |
| 2012-07-29 | | | | | | | |
| 2012-07-30 | | | | | | | |
| 2012-07-31 | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-08-15 07:08 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 268746 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-07-01 To: 2012-07-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-07-01 | | | | | | | |
| 2012-07-02 | | | | | | | |
| 2012-07-03 | | | | | | | |
| 2012-07-04 | | | | | | | |
| 2012-07-05 | | | | | | | |
| 2012-07-06 | | | | | | | |
| 2012-07-07 | | | | | | | |
| 2012-07-08 | | | | | | | |
| 2012-07-09 | | | | | | | |
| 2012-07-10 | | | | | | | |
| 2012-07-11 | | | | | | | |
| 2012-07-12 | | | | | | | |
| 2012-07-13 | | | | | | | |
| 2012-07-14 | | | | | | | |
| 2012-07-15 | | | | | | | |
| 2012-07-16 | | | | | | | |
| 2012-07-17 | | | | | | | |
| 2012-07-18 | | | | | | | |
| 2012-07-19 | | | | | | | |
| 2012-07-20 | | | | | | | |
| 2012-07-21 | | | | | | | |
| 2012-07-22 | | | | | | | |
| 2012-07-23 | | | | | | | |
| 2012-07-24 | | | | | | | |
| 2012-07-25 | | | | | | | |
| 2012-07-26 | | | | | | | |
| 2012-07-27 | | | | | | | |
| 2012-07-28 | | | | | | | |
| 2012-07-29 | | | | | | | |
| 2012-07-30 | | | | | | | |
| 2012-07-31 | | | | | | | |
| **Minimum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-08-15 07:08 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 275103 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-08-01 To: 2012-08-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-08-01 | | | 0.08 | | | | |
| 2012-08-02 | | | 0.00 | | | | |
| 2012-08-03 | 22 | 8.50 | 0.00 | 1500 | 7 | AA .1 | 0.545 |
| 2012-08-04 | | | 0.29 | | | | |
| 2012-08-05 | | | 2.58 | | | | |
| 2012-08-06 | | | 0.03 | | | | |
| 2012-08-07 | | | 0.00 | | | | |
| 2012-08-08 | | | 0.07 | | | | |
| 2012-08-09 | 1748 | 8.23 | 0.34 | | | | |
| 2012-08-10 | | | 0.09 | | | | |
| 2012-08-11 | | | 0.00 | | | | |
| 2012-08-12 | | | 0.00 | | | | |
| 2012-08-13 | | | 0.02 | | | | |
| 2012-08-14 | | | 0.01 | | | | |
| 2012-08-15 | | | 0.00 | | | | |
| 2012-08-16 | 578 | 8.21 | 0.00 | | | | |
| 2012-08-17 | | | 0.15 | | | | |
| 2012-08-18 | | | 0.01 | | | | |
| 2012-08-19 | | | 0.00 | | | | |
| 2012-08-20 | | | 0.02 | | | | |
| 2012-08-21 | | | 0.23 | | | | |
| 2012-08-22 | AC | AC | 0.00 | | | | |
| 2012-08-23 | | | 0.00 | | | | |
| 2012-08-24 | | | 0.06 | | | | |
| 2012-08-25 | | | 0.00 | | | | |
| 2012-08-26 | | | 0.00 | | | | |
| 2012-08-27 | | | 0.21 | | | | |
| 2012-08-28 | | | 0.00 | | | | |
| 2012-08-29 | | | 0.00 | | | | |
| 2012-08-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2012-08-31 | | | 0.00 | | | | |
| **Minimum** | 22.0 | 8.21 | 0.0 | 1500.0 | 7.0 | 0.0 | 0.545 |
| **Maximum** | 1748.0 | 8.5 | 2.58 | 1500.0 | 7.0 | 0.0 | 0.545 |
| **Average** | 782.66667 | | 0.13516 | 1500 | 7 | 0 | 0.545 |
| **Count** | 3 | 3 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-09-14 07:09 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 275103 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-08-01 To: 2012-08-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | William Thompson |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-08-01 | | | | | | | |
| 2012-08-02 | | | | | | | |
| 2012-08-03 | 0.168 | | | | | | |
| 2012-08-04 | | | | | | | |
| 2012-08-05 | | | | | | | |
| 2012-08-06 | | | | | | | |
| 2012-08-07 | | | | | | | |
| 2012-08-08 | | | | | | | |
| 2012-08-09 | | | | | | | |
| 2012-08-10 | | | | | | | |
| 2012-08-11 | | | | | | | |
| 2012-08-12 | | | | | | | |
| 2012-08-13 | | | | | | | |
| 2012-08-14 | | | | | | | |
| 2012-08-15 | | | | | | | |
| 2012-08-16 | | | | | | | |
| 2012-08-17 | | | | | | | |
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| 2012-08-20 | | | | | | | |
| 2012-08-21 | | | | | | | |
| 2012-08-22 | | | | | | | |
| 2012-08-23 | | | | | | | |
| 2012-08-24 | | | | | | | |
| 2012-08-25 | | | | | | | |
| 2012-08-26 | | | | | | | |
| 2012-08-27 | | | | | | | |
| 2012-08-28 | | | | | | | |
| 2012-08-29 | | | | | | | |
| 2012-08-30 | | | | | | | |
| 2012-08-31 | | | | | | | |
| **Minimum** | 0.168 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.168 | | | | | | |
| **Average** | 0.168 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-09-14 07:09 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 275103 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-08-01 To: 2012-08-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-08-01 | | | | | | | |
| 2012-08-02 | | | | | | | |
| 2012-08-03 | | | | | | | |
| 2012-08-04 | | | | | | | |
| 2012-08-05 | | | | | | | |
| 2012-08-06 | | | | | | | |
| 2012-08-07 | | | | | | | |
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| 2012-08-12 | | | | | | | |
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| 2012-08-16 | | | | | | | |
| 2012-08-17 | | | | | | | |
| 2012-08-18 | | | | | | | |
| 2012-08-19 | | | | | | | |
| 2012-08-20 | | | | | | | |
| 2012-08-21 | | | | | | | |
| 2012-08-22 | | | | | | | |
| 2012-08-23 | | | | | | | |
| 2012-08-24 | | | | | | | |
| 2012-08-25 | | | | | | | |
| 2012-08-26 | | | | | | | |
| 2012-08-27 | | | | | | | |
| 2012-08-28 | | | | | | | |
| 2012-08-29 | | | | | | | |
| 2012-08-30 | | | | | | | |
| 2012-08-31 | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-09-14 07:09 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 275103 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-08-01 To: 2012-08-31 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-08-01 | | | | | | | |
| 2012-08-02 | | | | | | | |
| 2012-08-03 | | | | | | | |
| 2012-08-04 | | | | | | | |
| 2012-08-05 | | | | | | | |
| 2012-08-06 | | | | | | | |
| 2012-08-07 | | | | | | | |
| 2012-08-08 | | | | | | | |
| 2012-08-09 | | | | | | | |
| 2012-08-10 | | | | | | | |
| 2012-08-11 | | | | | | | |
| 2012-08-12 | | | | | | | |
| 2012-08-13 | | | | | | | |
| 2012-08-14 | | | | | | | |
| 2012-08-15 | | | | | | | |
| 2012-08-16 | | | | | | | |
| 2012-08-17 | | | | | | | |
| 2012-08-18 | | | | | | | |
| 2012-08-19 | | | | | | | |
| 2012-08-20 | | | | | | | |
| 2012-08-21 | | | | | | | |
| 2012-08-22 | | | | | | | |
| 2012-08-23 | | | | | | | |
| 2012-08-24 | | | | | | | |
| 2012-08-25 | | | | | | | |
| 2012-08-26 | | | | | | | |
| 2012-08-27 | | | | | | | |
| 2012-08-28 | | | | | | | |
| 2012-08-29 | | | | | | | |
| 2012-08-30 | | | | | | | |
| 2012-08-31 | | | | | | | |
| **Minimum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-09-14 07:09 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 281852 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-09-01 To: 2012-09-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Stephanie Poch |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-09-01 | | | 0.38 | | | | |
| 2012-09-02 | | | 0.76 | | | | |
| 2012-09-03 | | | 0.01 | | | | |
| 2012-09-04 | | | 0.27 | | | | |
| 2012-09-05 | | | 0.04 | | | | |
| 2012-09-06 | | | 0.00 | | | | |
| 2012-09-07 | 900 | 7.96 | 0.00 | 916 | 5 | AA .1 | 0.068 |
| 2012-09-08 | | | 0.61 | | | | |
| 2012-09-09 | | | 0.05 | | | | |
| 2012-09-10 | | | 0.00 | | | | |
| 2012-09-11 | | | 0.00 | | | | |
| 2012-09-12 | | | 0.15 | | | | |
| 2012-09-13 | 750 | 7.07 | 0.00 | | | | |
| 2012-09-14 | | | 0.34 | | | | |
| 2012-09-15 | | | 0.00 | | | | |
| 2012-09-16 | | | 0.00 | | | | |
| 2012-09-17 | | | 0.02 | | | | |
| 2012-09-18 | | | 0.96 | | | | |
| 2012-09-19 | | | 0.02 | | | | |
| 2012-09-20 | 1080 | 8.52 | 0.00 | | | | |
| 2012-09-21 | | | 0.00 | | | | |
| 2012-09-22 | | | 0.02 | | | | |
| 2012-09-23 | | | 0.00 | | | | |
| 2012-09-24 | | | 0.00 | | | | |
| 2012-09-25 | 360 | 8.13 | 0.00 | | | | |
| 2012-09-26 | | | 0.14 | | | | |
| 2012-09-27 | | | 0.04 | | | | |
| 2012-09-28 | | | 0.04 | | | | |
| 2012-09-29 | | | 0.01 | | | | |
| 2012-09-30 | | | 0.01 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 360.0 | 7.07 | 0.0 | 916.0 | 5.0 | 0.0 | 0.068 |
| **Maximum** | 1080.0 | 8.52 | 0.96 | 916.0 | 5.0 | 0.0 | 0.068 |
| **Average** | 772.5 | | 0.129 | 916 | 5 | 0 | 0.068 |
| **Count** | 4 | 4 | 30 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-10-15 06:10 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 281852 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-09-01 To: 2012-09-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Stephanie Poch |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-09-01 | | | | | | | |
| 2012-09-02 | | | | | | | |
| 2012-09-03 | | | | | | | |
| 2012-09-04 | | | | | | | |
| 2012-09-05 | | | | | | | |
| 2012-09-06 | | | | | | | |
| 2012-09-07 | 0.017 | | | | | | |
| 2012-09-08 | | | | | | | |
| 2012-09-09 | | | | | | | |
| 2012-09-10 | | | | | | | |
| 2012-09-11 | | | | | | | |
| 2012-09-12 | | | | | | | |
| 2012-09-13 | | | | | | | |
| 2012-09-14 | | | | | | | |
| 2012-09-15 | | | | | | | |
| 2012-09-16 | | | | | | | |
| 2012-09-17 | | | | | | | |
| 2012-09-18 | | | | | | | |
| 2012-09-19 | | | | | | | |
| 2012-09-20 | | | | | | | |
| 2012-09-21 | | | | | | | |
| 2012-09-22 | | | | | | | |
| 2012-09-23 | | | | | | | |
| 2012-09-24 | | | | | | | |
| 2012-09-25 | | | | | | | |
| 2012-09-26 | | | | | | | |
| 2012-09-27 | | | | | | | |
| 2012-09-28 | | | | | | | |
| 2012-09-29 | | | | | | | |
| 2012-09-30 | | | | | | | |
| **Minimum** | 0.017 | | | | | | |
| **Maximum** | 0.017 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.017 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-10-15 06:10 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 281852 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-09-01 To: 2012-09-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-09-01 | | | | | | | |
| 2012-09-02 | | | | | | | |
| 2012-09-03 | | | | | | | |
| 2012-09-04 | | | | | | | |
| 2012-09-05 | | | | | | | |
| 2012-09-06 | | | | | | | |
| 2012-09-07 | | | | | | | |
| 2012-09-08 | | | | | | | |
| 2012-09-09 | | | | | | | |
| 2012-09-10 | | | | | | | |
| 2012-09-11 | | | | | | | |
| 2012-09-12 | | | | | | | |
| 2012-09-13 | | | | | | | |
| 2012-09-14 | | | | | | | |
| 2012-09-15 | | | | | | | |
| 2012-09-16 | | | | | | | |
| 2012-09-17 | | | | | | | |
| 2012-09-18 | | | | | | | |
| 2012-09-19 | | | | | | | |
| 2012-09-20 | | | | | | | |
| 2012-09-21 | | | | | | | |
| 2012-09-22 | | | | | | | |
| 2012-09-23 | | | | | | | |
| 2012-09-24 | | | | | | | |
| 2012-09-25 | | | | | | | |
| 2012-09-26 | | | | | | | |
| 2012-09-27 | | | | | | | |
| 2012-09-28 | | | | | | | |
| 2012-09-29 | | | | | | | |
| 2012-09-30 | | | | | | | |
| **Minimum** | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-10-15 06:10 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 281852 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-09-01 To: 2012-09-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-09-01 | | | | | | | |
| 2012-09-02 | | | | | | | |
| 2012-09-03 | | | | | | | |
| 2012-09-04 | | | | | | | |
| 2012-09-05 | | | | | | | |
| 2012-09-06 | | | | | | | |
| 2012-09-07 | | | | | | | |
| 2012-09-08 | | | | | | | |
| 2012-09-09 | | | | | | | |
| 2012-09-10 | | | | | | | |
| 2012-09-11 | | | | | | | |
| 2012-09-12 | | | | | | | |
| 2012-09-13 | | | | | | | |
| 2012-09-14 | | | | | | | |
| 2012-09-15 | | | | | | | |
| 2012-09-16 | | | | | | | |
| 2012-09-17 | | | | | | | |
| 2012-09-18 | | | | | | | |
| 2012-09-19 | | | | | | | |
| 2012-09-20 | | | | | | | |
| 2012-09-21 | | | | | | | |
| 2012-09-22 | | | | | | | |
| 2012-09-23 | | | | | | | |
| 2012-09-24 | | | | | | | |
| 2012-09-25 | | | | | | | |
| 2012-09-26 | | | | | | | |
| 2012-09-27 | | | | | | | |
| 2012-09-28 | | | | | | | |
| 2012-09-29 | | | | | | | |
| 2012-09-30 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-10-15 06:10 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 288837 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-10-01 To: 2012-10-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-10-01 | | | 0.01 | | | | |
| 2012-10-02 | | | 0.00 | | | | |
| 2012-10-03 | | | 0.01 | | | | |
| 2012-10-04 | 2305 | 8.31 | 0.00 | 1190 | 5 | AA .1 | 0.088 |
| 2012-10-05 | | | 0.12 | | | | |
| 2012-10-06 | | | 0.18 | | | | |
| 2012-10-07 | | | 0.01 | | | | |
| 2012-10-08 | | | 0.00 | | | | |
| 2012-10-09 | | | 0.01 | | | | |
| 2012-10-10 | | | 0.01 | | | | |
| 2012-10-11 | 337 | 7.84 | 0.00 | | | | |
| 2012-10-12 | | | 1.50 | | | | |
| 2012-10-13 | | | 0.00 | | | | |
| 2012-10-14 | | | 0.00 | | | | |
| 2012-10-15 | | | 0.15 | | | | |
| 2012-10-16 | | | 0.01 | | | | |
| 2012-10-17 | 1080 | 8.14 | 0.00 | | | | |
| 2012-10-18 | | | 0.05 | | | | |
| 2012-10-19 | | | 0.05 | | | | |
| 2012-10-20 | | | 0.09 | | | | |
| 2012-10-21 | | | 0.01 | | | | |
| 2012-10-22 | | | 0.00 | | | | |
| 2012-10-23 | | | 0.00 | | | | |
| 2012-10-24 | 1350 | 8.02 | 0.00 | | | | |
| 2012-10-25 | | | 0.00 | | | | |
| 2012-10-26 | | | 0.00 | | | | |
| 2012-10-27 | | | 0.16 | | | | |
| 2012-10-28 | | | 1.05 | | | | |
| 2012-10-29 | | | 1.27 | | | | |
| 2012-10-30 | | | 1.17 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2012-10-31 | | | 0.32 | | | | |
| **Minimum** | 337.0 | 7.84 | 0.0 | 1190.0 | 5.0 | 0.0 | 0.088 |
| **Maximum** | 2305.0 | 8.31 | 1.5 | 1190.0 | 5.0 | 0.0 | 0.088 |
| **Average** | 1268 | | 0.19935 | 1190 | 5 | 0 | 0.088 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-11-14 06:11 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 288837 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-10-01 To: 2012-10-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-10-01 | | | | | | | |
| 2012-10-02 | | | | | | | |
| 2012-10-03 | | | | | | | |
| 2012-10-04 | 0.024 | | | | | | |
| 2012-10-05 | | | | | | | |
| 2012-10-06 | | | | | | | |
| 2012-10-07 | | | | | | | |
| 2012-10-08 | | | | | | | |
| 2012-10-09 | | | | | | | |
| 2012-10-10 | | | | | | | |
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| 2012-10-12 | | | | | | | |
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| 2012-10-26 | | | | | | | |
| 2012-10-27 | | | | | | | |
| 2012-10-28 | | | | | | | |
| 2012-10-29 | | | | | | | |
| 2012-10-30 | | | | | | | |
| 2012-10-31 | | | | | | | |
| **Minimum** | 0.024 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.024 | | | | | | |
| **Average** | 0.024 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-11-14 06:11 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 288837 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-10-01 To: 2012-10-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-10-01 | | | | | | | |
| 2012-10-02 | | | | | | | |
| 2012-10-03 | | | | | | | |
| 2012-10-04 | | | | | | | |
| 2012-10-05 | | | | | | | |
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| 2012-10-22 | | | | | | | |
| 2012-10-23 | | | | | | | |
| 2012-10-24 | | | | | | | |
| 2012-10-25 | | | | | | | |
| 2012-10-26 | | | | | | | |
| 2012-10-27 | | | | | | | |
| 2012-10-28 | | | | | | | |
| 2012-10-29 | | | | | | | |
| 2012-10-30 | | | | | | | |
| 2012-10-31 | | | | | | | |

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|---|---|---|---|---|---|---|---|
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-11-14 06:11 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 288837 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-10-01 To: 2012-10-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-10-01 | | | | | | | |
| 2012-10-02 | | | | | | | |
| 2012-10-03 | | | | | | | |
| 2012-10-04 | | | | | | | |
| 2012-10-05 | | | | | | | |
| 2012-10-06 | | | | | | | |
| 2012-10-07 | | | | | | | |
| 2012-10-08 | | | | | | | |
| 2012-10-09 | | | | | | | |
| 2012-10-10 | | | | | | | |
| 2012-10-11 | | | | | | | |
| 2012-10-12 | | | | | | | |
| 2012-10-13 | | | | | | | |
| 2012-10-14 | | | | | | | |
| 2012-10-15 | | | | | | | |
| 2012-10-16 | | | | | | | |
| 2012-10-17 | | | | | | | |
| 2012-10-18 | | | | | | | |
| 2012-10-19 | | | | | | | |
| 2012-10-20 | | | | | | | |
| 2012-10-21 | | | | | | | |
| 2012-10-22 | | | | | | | |
| 2012-10-23 | | | | | | | |
| 2012-10-24 | | | | | | | |
| 2012-10-25 | | | | | | | |
| 2012-10-26 | | | | | | | |
| 2012-10-27 | | | | | | | |
| 2012-10-28 | | | | | | | |
| 2012-10-29 | | | | | | | |
| 2012-10-30 | | | | | | | |
| 2012-10-31 | | | | | | | |
| **Minimum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-11-14 06:11 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 294773 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-11-01 To: 2012-11-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-11-01 | | | 0.12 | | | | |
| 2012-11-02 | | | 0.00 | | | | |
| 2012-11-03 | | | 0.00 | | | | |
| 2012-11-04 | | | 0.00 | | | | |
| 2012-11-05 | 2160 | 8.14 | 0.00 | | | | |
| 2012-11-06 | | | 0.00 | | | | |
| 2012-11-07 | | | 0.00 | | | | |
| 2012-11-08 | | | 0.00 | | | | |
| 2012-11-09 | 7200 | 8.05 | 0.01 | 1860 | 6 | AA .1 | 0.532 |
| 2012-11-10 | | | 0.09 | | | | |
| 2012-11-11 | | | 0.00 | | | | |
| 2012-11-12 | | | 0.32 | | | | |
| 2012-11-13 | | | 0.01 | | | | |
| 2012-11-14 | | | 0.00 | | | | |
| 2012-11-15 | | | 0.01 | | | | |
| 2012-11-16 | | | 0.00 | | | | |
| 2012-11-17 | | | 0.01 | | | | |
| 2012-11-18 | | | 0.00 | | | | |
| 2012-11-19 | | | 0.00 | | | | |
| 2012-11-20 | 5400 | 8.07 | 0.00 | | | | |
| 2012-11-21 | | | 0.00 | | | | |
| 2012-11-22 | | | 0.00 | | | | |
| 2012-11-23 | | | 0.03 | | | | |
| 2012-11-24 | | | 0.00 | | | | |
| 2012-11-25 | | | 0.00 | | | | |
| 2012-11-26 | | | 0.00 | | | | |
| 2012-11-27 | | | 0.00 | | | | |
| 2012-11-28 | 600 | 8.03 | 0.00 | | | | |
| 2012-11-29 | | | 0.00 | | | | |
| 2012-11-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 600.0 | 8.03 | 0.0 | 1860.0 | 6.0 | 0.0 | 0.532 |
| **Maximum** | 7200.0 | 8.14 | 0.32 | 1860.0 | 6.0 | 0.0 | 0.532 |
| **Average** | 3840 | | 0.02 | 1860 | 6 | 0 | 0.532 |
| **Count** | 4 | 4 | 30 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-12-12 09:12 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 294773 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-11-01 To: 2012-11-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-11-01 | | | | | | | |
| 2012-11-02 | | | | | | | |
| 2012-11-03 | | | | | | | |
| 2012-11-04 | | | | | | | |
| 2012-11-05 | | | | | | | |
| 2012-11-06 | | | | | | | |
| 2012-11-07 | | | | | | | |
| 2012-11-08 | | | | | | | |
| 2012-11-09 | 0.755 | | | | | | |
| 2012-11-10 | | | | | | | |
| 2012-11-11 | | | | | | | |
| 2012-11-12 | | | | | | | |
| 2012-11-13 | | | | | | | |
| 2012-11-14 | | | | | | | |
| 2012-11-15 | | | | | | | |
| 2012-11-16 | | | | | | | |
| 2012-11-17 | | | | | | | |
| 2012-11-18 | | | | | | | |
| 2012-11-19 | | | | | | | |
| 2012-11-20 | | | | | | | |
| 2012-11-21 | | | | | | | |
| 2012-11-22 | | | | | | | |
| 2012-11-23 | | | | | | | |
| 2012-11-24 | | | | | | | |
| 2012-11-25 | | | | | | | |
| 2012-11-26 | | | | | | | |
| 2012-11-27 | | | | | | | |
| 2012-11-28 | | | | | | | |
| 2012-11-29 | | | | | | | |
| 2012-11-30 | | | | | | | |
| **Minimum** | 0.755 | | | | | | |
| **Maximum** | 0.755 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.755 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-12-12 09:12 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 294773 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-11-01 To: 2012-11-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-11-01 | | | | | | | |
| 2012-11-02 | | | | | | | |
| 2012-11-03 | | | | | | | |
| 2012-11-04 | | | | | | | |
| 2012-11-05 | | | | | | | |
| 2012-11-06 | | | | | | | |
| 2012-11-07 | | | | | | | |
| 2012-11-08 | | | | | | | |
| 2012-11-09 | | | | | | | |
| 2012-11-10 | | | | | | | |
| 2012-11-11 | | | | | | | |
| 2012-11-12 | | | | | | | |
| 2012-11-13 | | | | | | | |
| 2012-11-14 | | | | | | | |
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| 2012-11-17 | | | | | | | |
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| 2012-11-19 | | | | | | | |
| 2012-11-20 | | | | | | | |
| 2012-11-21 | | | | | | | |
| 2012-11-22 | | | | | | | |
| 2012-11-23 | | | | | | | |
| 2012-11-24 | | | | | | | |
| 2012-11-25 | | | | | | | |
| 2012-11-26 | | | | | | | |
| 2012-11-27 | | | | | | | |
| 2012-11-28 | | | | | | | |
| 2012-11-29 | | | | | | | |
| 2012-11-30 | | | | | | | |
| **Minimum** | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2012-12-12 09:12 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 294773 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-11-01 To: 2012-11-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-11-01 | | | | | | | |
| 2012-11-02 | | | | | | | |
| 2012-11-03 | | | | | | | |
| 2012-11-04 | | | | | | | |
| 2012-11-05 | | | | | | | |
| 2012-11-06 | | | | | | | |
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| 2012-11-11 | | | | | | | |
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| 2012-11-15 | | | | | | | |
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| 2012-11-17 | | | | | | | |
| 2012-11-18 | | | | | | | |
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| 2012-11-21 | | | | | | | |
| 2012-11-22 | | | | | | | |
| 2012-11-23 | | | | | | | |
| 2012-11-24 | | | | | | | |
| 2012-11-25 | | | | | | | |
| 2012-11-26 | | | | | | | |
| 2012-11-27 | | | | | | | |
| 2012-11-28 | | | | | | | |
| 2012-11-29 | | | | | | | |
| 2012-11-30 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2012-12-12 09:12 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 301282 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-12-01 To: 2012-12-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-12-01 | | | 0.00 | | | | |
| 2012-12-02 | | | 0.29 | | | | |
| 2012-12-03 | | | 0.07 | | | | |
| 2012-12-04 | | | 0.55 | | | | |
| 2012-12-05 | | | 0.01 | | | | |
| 2012-12-06 | 2700 | 8.48 | 0.01 | 1760 | AA 2.5 | AA .1 | 0.449 |
| 2012-12-07 | | | 1.28 | | | | |
| 2012-12-08 | | | 0.33 | | | | |
| 2012-12-09 | | | 0.15 | | | | |
| 2012-12-10 | | | 1.13 | | | | |
| 2012-12-11 | | | 0.04 | | | | |
| 2012-12-12 | | | 0.01 | | | | |
| 2012-12-13 | 3300 | 8.28 | 0.00 | | | | |
| 2012-12-14 | | | 0.01 | | | | |
| 2012-12-15 | | | 0.01 | | | | |
| 2012-12-16 | | | 0.01 | | | | |
| 2012-12-17 | | | 0.94 | | | | |
| 2012-12-18 | | | 0.00 | | | | |
| 2012-12-19 | | | 0.00 | | | | |
| 2012-12-20 | 12000 | 8.72 | 0.55 | | | | |
| 2012-12-21 | | | 0.00 | | | | |
| 2012-12-22 | | | 0.00 | | | | |
| 2012-12-23 | | | 0.14 | | | | |
| 2012-12-24 | | | 0.16 | | | | |
| 2012-12-25 | | | 0.00 | | | | |
| 2012-12-26 | | | 0.09 | | | | |
| 2012-12-27 | 43200 | 8.07 | 0.00 | | | | |
| 2012-12-28 | | | 0.08 | | | | |
| 2012-12-29 | | | 0.06 | | | | |
| 2012-12-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2012-12-31 | | | 0.02 | | | | |
| **Minimum** | 2700.0 | 8.07 | 0.0 | 1760.0 | 0.0 | 0.0 | 0.449 |
| **Maximum** | 43200.0 | 8.72 | 1.28 | 1760.0 | 0.0 | 0.0 | 0.449 |
| **Average** | 15300 | | 0.19161 | 1760 | 0 | 0 | 0.449 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-01-13 08:01 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 301282 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-12-01 To: 2012-12-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-12-01 | | | | | | | |
| 2012-12-02 | | | | | | | |
| 2012-12-03 | | | | | | | |
| 2012-12-04 | | | | | | | |
| 2012-12-05 | | | | | | | |
| 2012-12-06 | 0.119 | | | | | | |
| 2012-12-07 | | | | | | | |
| 2012-12-08 | | | | | | | |
| 2012-12-09 | | | | | | | |
| 2012-12-10 | | | | | | | |
| 2012-12-11 | | | | | | | |
| 2012-12-12 | | | | | | | |
| 2012-12-13 | | | | | | | |
| 2012-12-14 | | | | | | | |
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| 2012-12-16 | | | | | | | |
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| 2012-12-25 | | | | | | | |
| 2012-12-26 | | | | | | | |
| 2012-12-27 | | | | | | | |
| 2012-12-28 | | | | | | | |
| 2012-12-29 | | | | | | | |
| 2012-12-30 | | | | | | | |
| 2012-12-31 | | | | | | | |
| **Minimum** | 0.119 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.119 | | | | | | |
| **Average** | 0.119 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-01-13 08:01 |

Page 2

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 301282 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-12-01 To: 2012-12-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2012-12-01 | | | 0.00 | | | | |
| 2012-12-02 | | | 0.29 | | | | |
| 2012-12-03 | | | 0.07 | | | | |
| 2012-12-04 | | | 0.55 | | | | |
| 2012-12-05 | | | 0.01 | | | | |
| 2012-12-06 | AC | AC | 0.01 | | | | |
| 2012-12-07 | | | 1.28 | | | | |
| 2012-12-08 | | | 0.33 | | | | |
| 2012-12-09 | | | 0.15 | | | | |
| 2012-12-10 | | | 1.13 | | | | |
| 2012-12-11 | | | 0.04 | | | | |
| 2012-12-12 | | | 0.01 | | | | |
| 2012-12-13 | AC | AC | 0.00 | | | | |
| 2012-12-14 | | | 0.01 | | | | |
| 2012-12-15 | | | 0.01 | | | | |
| 2012-12-16 | | | 0.01 | | | | |
| 2012-12-17 | | | 0.94 | | | | |
| 2012-12-18 | | | 0.00 | | | | |
| 2012-12-19 | | | 0.00 | | | | |
| 2012-12-20 | AC | AC | 0.55 | | | | |
| 2012-12-21 | | | 0.00 | | | | |
| 2012-12-22 | | | 0.00 | | | | |
| 2012-12-23 | | | 0.14 | | | | |
| 2012-12-24 | | | 0.16 | | | | |
| 2012-12-25 | | | 0.00 | | | | |
| 2012-12-26 | | | 0.09 | | | | |
| 2012-12-27 | 2700 | 8.31 | 0.00 | 369 | 5 | AA .1 | 0.376 |
| 2012-12-28 | | | 0.08 | | | | |
| 2012-12-29 | | | 0.06 | | | | |
| 2012-12-30 | | | 0.00 | | | | |
| 2012-12-31 | | | 0.02 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 2700.0 | 8.31 | 0.0 | 369.0 | 5.0 | 0.0 | 0.376 |
| **Maximum** | 2700.0 | 8.31 | 1.28 | 369.0 | 5.0 | 0.0 | 0.376 |
| **Average** | 2700 | | 0.19161 | 369 | 5 | 0 | 0.376 |
| **Count** | 1 | 1 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-01-13 08:01 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 301282 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2012-12-01 To: 2012-12-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2012-12-01 | | | | | | | |
| 2012-12-02 | | | | | | | |
| 2012-12-03 | | | | | | | |
| 2012-12-04 | | | | | | | |
| 2012-12-05 | | | | | | | |
| 2012-12-06 | | | | | | | |
| 2012-12-07 | | | | | | | |
| 2012-12-08 | | | | | | | |
| 2012-12-09 | | | | | | | |
| 2012-12-10 | | | | | | | |
| 2012-12-11 | | | | | | | |
| 2012-12-12 | | | | | | | |
| 2012-12-13 | | | | | | | |
| 2012-12-14 | | | | | | | |
| 2012-12-15 | | | | | | | |
| 2012-12-16 | | | | | | | |
| 2012-12-17 | | | | | | | |
| 2012-12-18 | | | | | | | |
| 2012-12-19 | | | | | | | |
| 2012-12-20 | | | | | | | |
| 2012-12-21 | | | | | | | |
| 2012-12-22 | | | | | | | |
| 2012-12-23 | | | | | | | |
| 2012-12-24 | | | | | | | |
| 2012-12-25 | | | | | | | |
| 2012-12-26 | | | | | | | |
| 2012-12-27 | 0.206 | | | | | | |
| 2012-12-28 | | | | | | | |
| 2012-12-29 | | | | | | | |
| 2012-12-30 | | | | | | | |
| 2012-12-31 | | | | | | | |
| **Minimum** | 0.206 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.206 | | | | | | |
| **Average** | 0.206 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-01-13 08:01 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 308682 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-01-01 To: 2013-01-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-01-01 | | | 0.01 | | | | |
| 2013-01-02 | | | 0.04 | | | | |
| 2013-01-03 | 10800 | 7.91 | 0.20 | | | | |
| 2013-01-04 | | | 0.05 | | | | |
| 2013-01-05 | | | 0.19 | | | | |
| 2013-01-06 | | | 0.10 | | | | |
| 2013-01-07 | | | 0.02 | | | | |
| 2013-01-08 | | | 0.01 | | | | |
| 2013-01-09 | | | 0.07 | | | | |
| 2013-01-10 | 14400 | 7.71 | 0.00 | | | | |
| 2013-01-11 | | | 0.18 | | | | |
| 2013-01-12 | | | 0.00 | | | | |
| 2013-01-13 | | | 0.14 | | | | |
| 2013-01-14 | | | 0.02 | | | | |
| 2013-01-15 | | | 0.06 | | | | |
| 2013-01-16 | 432000 | 8.35 | 0.07 | 1700 | 4 | AA .1 | 1.08 |
| 2013-01-17 | | | 0.04 | | | | |
| 2013-01-18 | | | 0.00 | | | | |
| 2013-01-19 | | | 0.01 | | | | |
| 2013-01-20 | | | 0.00 | | | | |
| 2013-01-21 | | | 0.00 | | | | |
| 2013-01-22 | 128000 | 8.22 | 0.00 | | | | |
| 2013-01-23 | | | 0.00 | | | | |
| 2013-01-24 | | | 0.00 | | | | |
| 2013-01-25 | | | 0.00 | | | | |
| 2013-01-26 | | | 0.04 | | | | |
| 2013-01-27 | | | 0.12 | | | | |
| 2013-01-28 | | | 0.36 | | | | |
| 2013-01-29 | | | 0.08 | | | | |
| 2013-01-30 | | | 1.36 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2013-01-31 | | | 0.12 | | | | |
| **Minimum** | 10800.0 | 7.71 | 0.0 | 1700.0 | 4.0 | 0.0 | 1.08 |
| **Maximum** | 432000.0 | 8.35 | 1.36 | 1700.0 | 4.0 | 0.0 | 1.08 |
| **Average** | 146300 | | 0.10613 | 1700 | 4 | 0 | 1.08 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-02-14 07:02 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 308682 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-01-01 To: 2013-01-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-01-01 | | | | | | | |
| 2013-01-02 | | | | | | | |
| 2013-01-03 | | | | | | | |
| 2013-01-04 | | | | | | | |
| 2013-01-05 | | | | | | | |
| 2013-01-06 | | | | | | | |
| 2013-01-07 | | | | | | | |
| 2013-01-08 | | | | | | | |
| 2013-01-09 | | | | | | | |
| 2013-01-10 | | | | | | | |
| 2013-01-11 | | | | | | | |
| 2013-01-12 | | | | | | | |
| 2013-01-13 | | | | | | | |
| 2013-01-14 | | | | | | | |
| 2013-01-15 | | | | | | | |
| 2013-01-16 | 0.989 | | | | | | |
| 2013-01-17 | | | | | | | |
| 2013-01-18 | | | | | | | |
| 2013-01-19 | | | | | | | |
| 2013-01-20 | | | | | | | |
| 2013-01-21 | | | | | | | |
| 2013-01-22 | | | | | | | |
| 2013-01-23 | | | | | | | |
| 2013-01-24 | | | | | | | |
| 2013-01-25 | | | | | | | |
| 2013-01-26 | | | | | | | |
| 2013-01-27 | | | | | | | |
| 2013-01-28 | | | | | | | |
| 2013-01-29 | | | | | | | |
| 2013-01-30 | | | | | | | |
| 2013-01-31 | | | | | | | |
| **Minimum** | 0.989 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.989 | | | | | | |
| **Average** | 0.989 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-02-14 07:02 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 308682 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-01-01 To: 2013-01-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-01-01 | | | 0.01 | | | | |
| 2013-01-02 | | | 0.04 | | | | |
| 2013-01-03 | AC | AC | 0.20 | | | | |
| 2013-01-04 | | | 0.05 | | | | |
| 2013-01-05 | | | 0.19 | | | | |
| 2013-01-06 | | | 0.10 | | | | |
| 2013-01-07 | | | 0.02 | | | | |
| 2013-01-08 | | | 0.01 | | | | |
| 2013-01-09 | | | 0.07 | | | | |
| 2013-01-10 | 3200 | 8.01 | 0.00 | 435 | AA 2.5 | AA .1 | 0.291 |
| 2013-01-11 | | | 0.18 | | | | |
| 2013-01-12 | | | 0.00 | | | | |
| 2013-01-13 | | | 0.14 | | | | |
| 2013-01-14 | | | 0.02 | | | | |
| 2013-01-15 | | | 0.06 | | | | |
| 2013-01-16 | 4300 | 7.92 | 0.07 | | | | |
| 2013-01-17 | | | 0.04 | | | | |
| 2013-01-18 | | | 0.00 | | | | |
| 2013-01-19 | | | 0.01 | | | | |
| 2013-01-20 | | | 0.00 | | | | |
| 2013-01-21 | | | 0.00 | | | | |
| 2013-01-22 | AC | AC | 0.00 | | | | |
| 2013-01-23 | | | 0.00 | | | | |
| 2013-01-24 | | | 0.00 | | | | |
| 2013-01-25 | | | 0.00 | | | | |
| 2013-01-26 | | | 0.04 | | | | |
| 2013-01-27 | | | 0.12 | | | | |
| 2013-01-28 | | | 0.36 | | | | |
| 2013-01-29 | | | 0.08 | | | | |
| 2013-01-30 | | | 1.36 | | | | |
| 2013-01-31 | | | 0.12 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 3200.0 | 7.92 | 0.0 | 435.0 | 0.0 | 0.0 | 0.291 |
| **Maximum** | 4300.0 | 8.01 | 1.36 | 435.0 | 0.0 | 0.0 | 0.291 |
| **Average** | 3750 | | 0.10613 | 435 | 0 | 0 | 0.291 |
| **Count** | 2 | 2 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-02-14 07:02 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 308682 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-01-01 To: 2013-01-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-01-01 | | | | | | | |
| 2013-01-02 | | | | | | | |
| 2013-01-03 | | | | | | | |
| 2013-01-04 | | | | | | | |
| 2013-01-05 | | | | | | | |
| 2013-01-06 | | | | | | | |
| 2013-01-07 | | | | | | | |
| 2013-01-08 | | | | | | | |
| 2013-01-09 | | | | | | | |
| 2013-01-10 | 0.222 | | | | | | |
| 2013-01-11 | | | | | | | |
| 2013-01-12 | | | | | | | |
| 2013-01-13 | | | | | | | |
| 2013-01-14 | | | | | | | |
| 2013-01-15 | | | | | | | |
| 2013-01-16 | | | | | | | |
| 2013-01-17 | | | | | | | |
| 2013-01-18 | | | | | | | |
| 2013-01-19 | | | | | | | |
| 2013-01-20 | | | | | | | |
| 2013-01-21 | | | | | | | |
| 2013-01-22 | | | | | | | |
| 2013-01-23 | | | | | | | |
| 2013-01-24 | | | | | | | |
| 2013-01-25 | | | | | | | |
| 2013-01-26 | | | | | | | |
| 2013-01-27 | | | | | | | |
| 2013-01-28 | | | | | | | |
| 2013-01-29 | | | | | | | |
| 2013-01-30 | | | | | | | |
| 2013-01-31 | | | | | | | |
| **Minimum** | 0.222 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.222 | | | | | | |
| **Average** | 0.222 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-02-14 07:02 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 314647 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-02-01 To: 2013-02-28 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-02-01 | | | 0.00 | | | | |
| 2013-02-02 | | | 0.00 | | | | |
| 2013-02-03 | | | 0.00 | | | | |
| 2013-02-04 | 15800 | 7.32 | 0.00 | 1750 | AA 2.5 | AA .1 | 1.82 |
| 2013-02-05 | | | 0.05 | | | | |
| 2013-02-06 | | | 0.08 | | | | |
| 2013-02-07 | | | 0.00 | | | | |
| 2013-02-08 | | | 0.12 | | | | |
| 2013-02-09 | | | 0.00 | | | | |
| 2013-02-10 | | | 0.01 | | | | |
| 2013-02-11 | | | 0.63 | | | | |
| 2013-02-12 | | | 0.00 | | | | |
| 2013-02-13 | 15840 | 7.90 | 0.00 | | | | |
| 2013-02-14 | | | 0.24 | | | | |
| 2013-02-15 | | | 0.01 | | | | |
| 2013-02-16 | | | 0.11 | | | | |
| 2013-02-17 | | | 0.00 | | | | |
| 2013-02-18 | 8910 | 7.52 | 0.00 | | | | |
| 2013-02-19 | | | 0.23 | | | | |
| 2013-02-20 | | | 0.00 | | | | |
| 2013-02-21 | | | 0.00 | | | | |
| 2013-02-22 | | | 0.03 | | | | |
| 2013-02-23 | | | 0.00 | | | | |
| 2013-02-24 | | | 0.00 | | | | |
| 2013-02-25 | 9800 | 7.75 | 0.00 | | | | |
| 2013-02-26 | | | 0.79 | | | | |
| 2013-02-27 | | | 0.18 | | | | |
| 2013-02-28 | | | 0.15 | | | | |
| **Minimum** | 8910.0 | 7.32 | 0.0 | 1750.0 | 0.0 | 0.0 | 1.82 |
| **Maximum** | 15840.0 | 7.9 | 0.79 | 1750.0 | 0.0 | 0.0 | 1.82 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 12587.5 | | 0.09393 | 1750 | 0 | 0 | 1.82 |
| **Count** | 4 | 4 | 28 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-03-13 07:03 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 314647 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-02-01 To: 2013-02-28 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-02-01 | | | | | | | |
| 2013-02-02 | | | | | | | |
| 2013-02-03 | | | | | | | |
| 2013-02-04 | 0.738 | | | | | | |
| 2013-02-05 | | | | | | | |
| 2013-02-06 | | | | | | | |
| 2013-02-07 | | | | | | | |
| 2013-02-08 | | | | | | | |
| 2013-02-09 | | | | | | | |
| 2013-02-10 | | | | | | | |
| 2013-02-11 | | | | | | | |
| 2013-02-12 | | | | | | | |
| 2013-02-13 | | | | | | | |
| 2013-02-14 | | | | | | | |
| 2013-02-15 | | | | | | | |
| 2013-02-16 | | | | | | | |
| 2013-02-17 | | | | | | | |
| 2013-02-18 | | | | | | | |
| 2013-02-19 | | | | | | | |
| 2013-02-20 | | | | | | | |
| 2013-02-21 | | | | | | | |
| 2013-02-22 | | | | | | | |
| 2013-02-23 | | | | | | | |
| 2013-02-24 | | | | | | | |
| 2013-02-25 | | | | | | | |
| 2013-02-26 | | | | | | | |
| 2013-02-27 | | | | | | | |
| 2013-02-28 | | | | | | | |
| **Minimum** | 0.738 | | | | | | |
| **Maximum** | 0.738 | | | | | | |
| **Average** | 0.738 | | | | | | |
| **Count** | 1 | | | | | | |

Signature of Responsible Official or Authorized Representative

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-03-13 07:03 |

Page 2

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 314647 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | **STATION CODE:** | 002 |
| | | **MONITORING PERIOD :** | 2013-02-01 To: 2013-02-28 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-02-01 | | | | | | | |
| 2013-02-02 | | | | | | | |
| 2013-02-03 | | | | | | | |
| 2013-02-04 | | | | | | | |
| 2013-02-05 | | | | | | | |
| 2013-02-06 | | | | | | | |
| 2013-02-07 | | | | | | | |
| 2013-02-08 | | | | | | | |
| 2013-02-09 | | | | | | | |
| 2013-02-10 | | | | | | | |
| 2013-02-11 | | | | | | | |
| 2013-02-12 | | | | | | | |
| 2013-02-13 | | | | | | | |
| 2013-02-14 | | | | | | | |
| 2013-02-15 | | | | | | | |
| 2013-02-16 | | | | | | | |
| 2013-02-17 | | | | | | | |
| 2013-02-18 | | | | | | | |
| 2013-02-19 | | | | | | | |
| 2013-02-20 | | | | | | | |
| 2013-02-21 | | | | | | | |
| 2013-02-22 | | | | | | | |
| 2013-02-23 | | | | | | | |
| 2013-02-24 | | | | | | | |
| 2013-02-25 | | | | | | | |
| 2013-02-26 | | | | | | | |
| 2013-02-27 | | | | | | | |
| 2013-02-28 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |

| Count | | | | | | | |
|---|---|---|---|---|---|---|---|
| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | | | Signature of Responsible Official or Authorized Representative | | Submission Date/Time |
| Michael Kelley | | | | | | | 2013-03-13 07:03 |

Page 3

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 314647 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-02-01 To: 2013-02-28 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-02-01 | | | | | | | |
| 2013-02-02 | | | | | | | |
| 2013-02-03 | | | | | | | |
| 2013-02-04 | | | | | | | |
| 2013-02-05 | | | | | | | |
| 2013-02-06 | | | | | | | |
| 2013-02-07 | | | | | | | |
| 2013-02-08 | | | | | | | |
| 2013-02-09 | | | | | | | |
| 2013-02-10 | | | | | | | |
| 2013-02-11 | | | | | | | |
| 2013-02-12 | | | | | | | |
| 2013-02-13 | | | | | | | |
| 2013-02-14 | | | | | | | |
| 2013-02-15 | | | | | | | |
| 2013-02-16 | | | | | | | |
| 2013-02-17 | | | | | | | |
| 2013-02-18 | | | | | | | |
| 2013-02-19 | | | | | | | |
| 2013-02-20 | | | | | | | |
| 2013-02-21 | | | | | | | |
| 2013-02-22 | | | | | | | |
| 2013-02-23 | | | | | | | |
| 2013-02-24 | | | | | | | |
| 2013-02-25 | | | | | | | |
| 2013-02-26 | | | | | | | |
| 2013-02-27 | | | | | | | |
| 2013-02-28 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

Signature of Responsible Official or Authorized Representative

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-03-13 07:03 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 321126 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-03-01 To: 2013-03-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-03-01 | | | 0.01 | | | | |
| 2013-03-02 | | | 0.00 | | | | |
| 2013-03-03 | | | 0.01 | | | | |
| 2013-03-04 | 7820 | 7.40 | 0.00 | | | | |
| 2013-03-05 | | | 0.12 | | | | |
| 2013-03-06 | | | 0.60 | | | | |
| 2013-03-07 | | | 0.00 | | | | |
| 2013-03-08 | | | 0.00 | | | | |
| 2013-03-09 | | | 0.01 | | | | |
| 2013-03-10 | | | 0.00 | | | | |
| 2013-03-11 | 27300 | 7.79 | 0.70 | 2770 | 4 | AA .1 | 0.850 |
| 2013-03-12 | | | 0.08 | | | | |
| 2013-03-13 | | | 0.04 | | | | |
| 2013-03-14 | | | 0.00 | | | | |
| 2013-03-15 | | | 0.01 | | | | |
| 2013-03-16 | | | 0.07 | | | | |
| 2013-03-17 | | | 0.00 | | | | |
| 2013-03-18 | | | 0.68 | | | | |
| 2013-03-19 | | | 0.02 | | | | |
| 2013-03-20 | 10800 | 7.64 | 0.00 | | | | |
| 2013-03-21 | | | 0.00 | | | | |
| 2013-03-22 | | | 0.00 | | | | |
| 2013-03-23 | | | 0.00 | | | | |
| 2013-03-24 | | | 0.01 | | | | |
| 2013-03-25 | | | 0.47 | | | | |
| 2013-03-26 | | | 0.22 | | | | |
| 2013-03-27 | 31280 | 7.52 | 0.00 | | | | |
| 2013-03-28 | | | 0.00 | | | | |
| 2013-03-29 | | | 0.00 | | | | |
| 2013-03-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2013-03-31 | | | 0.13 | | | | |
| **Minimum** | 7820.0 | 7.4 | 0.0 | 2770.0 | 4.0 | 0.0 | 0.85 |
| **Maximum** | 31280.0 | 7.79 | 0.7 | 2770.0 | 4.0 | 0.0 | 0.85 |
| **Average** | 19300 | | 0.10258 | 2770 | 4 | 0 | 0.85 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-04-12 10:04 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 321126 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-03-01 To: 2013-03-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-03-01 | | | | | | | |
| 2013-03-02 | | | | | | | |
| 2013-03-03 | | | | | | | |
| 2013-03-04 | | | | | | | |
| 2013-03-05 | | | | | | | |
| 2013-03-06 | | | | | | | |
| 2013-03-07 | | | | | | | |
| 2013-03-08 | | | | | | | |
| 2013-03-09 | | | | | | | |
| 2013-03-10 | | | | | | | |
| 2013-03-11 | 0.464 | | | | | | |
| 2013-03-12 | | | | | | | |
| 2013-03-13 | | | | | | | |
| 2013-03-14 | | | | | | | |
| 2013-03-15 | | | | | | | |
| 2013-03-16 | | | | | | | |
| 2013-03-17 | | | | | | | |
| 2013-03-18 | | | | | | | |
| 2013-03-19 | | | | | | | |
| 2013-03-20 | | | | | | | |
| 2013-03-21 | | | | | | | |
| 2013-03-22 | | | | | | | |
| 2013-03-23 | | | | | | | |
| 2013-03-24 | | | | | | | |
| 2013-03-25 | | | | | | | |
| 2013-03-26 | | | | | | | |
| 2013-03-27 | | | | | | | |
| 2013-03-28 | | | | | | | |
| 2013-03-29 | | | | | | | |
| 2013-03-30 | | | | | | | |
| 2013-03-31 | | | | | | | |
| **Minimum** | 0.464 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.464 | | | | | | |
| **Average** | 0.464 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-04-12 10:04 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 321126 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-03-01 To: 2013-03-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-03-01 | | | 0.01 | | | | |
| 2013-03-02 | | | 0.00 | | | | |
| 2013-03-03 | | | 0.01 | | | | |
| 2013-03-04 | AC | AC | 0.00 | | | | |
| 2013-03-05 | | | 0.12 | | | | |
| 2013-03-06 | | | 0.60 | | | | |
| 2013-03-07 | | | 0.00 | | | | |
| 2013-03-08 | | | 0.00 | | | | |
| 2013-03-09 | | | 0.01 | | | | |
| 2013-03-10 | | | 0.00 | | | | |
| 2013-03-11 | AC | AC | 0.70 | | | | |
| 2013-03-12 | | | 0.08 | | | | |
| 2013-03-13 | | | 0.04 | | | | |
| 2013-03-14 | | | 0.00 | | | | |
| 2013-03-15 | | | 0.01 | | | | |
| 2013-03-16 | | | 0.07 | | | | |
| 2013-03-17 | | | 0.00 | | | | |
| 2013-03-18 | | | 0.68 | | | | |
| 2013-03-19 | | | 0.02 | | | | |
| 2013-03-20 | AC | AC | 0.00 | | | | |
| 2013-03-21 | | | 0.00 | | | | |
| 2013-03-22 | | | 0.00 | | | | |
| 2013-03-23 | | | 0.00 | | | | |
| 2013-03-24 | | | 0.01 | | | | |
| 2013-03-25 | | | 0.47 | | | | |
| 2013-03-26 | | | 0.22 | | | | |
| 2013-03-27 | 1080 | 7.57 | 0.00 | 7.57 | 10 | AA .1 | 0.687 |
| 2013-03-28 | | | 0.00 | | | | |
| 2013-03-29 | | | 0.00 | | | | |
| 2013-03-30 | | | 0.00 | | | | |
| 2013-03-31 | | | 0.13 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 1080.0 | 7.57 | 0.0 | 7.57 | 10.0 | 0.0 | 0.687 |
| **Maximum** | 1080.0 | 7.57 | 0.7 | 7.57 | 10.0 | 0.0 | 0.687 |
| **Average** | 1080 | | 0.10258 | 7.57 | 10 | 0 | 0.687 |
| **Count** | 1 | 1 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-04-12 10:04 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 321126 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-03-01 To: 2013-03-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-03-01 | | | | | | | |
| 2013-03-02 | | | | | | | |
| 2013-03-03 | | | | | | | |
| 2013-03-04 | | | | | | | |
| 2013-03-05 | | | | | | | |
| 2013-03-06 | | | | | | | |
| 2013-03-07 | | | | | | | |
| 2013-03-08 | | | | | | | |
| 2013-03-09 | | | | | | | |
| 2013-03-10 | | | | | | | |
| 2013-03-11 | | | | | | | |
| 2013-03-12 | | | | | | | |
| 2013-03-13 | | | | | | | |
| 2013-03-14 | | | | | | | |
| 2013-03-15 | | | | | | | |
| 2013-03-16 | | | | | | | |
| 2013-03-17 | | | | | | | |
| 2013-03-18 | | | | | | | |
| 2013-03-19 | | | | | | | |
| 2013-03-20 | | | | | | | |
| 2013-03-21 | | | | | | | |
| 2013-03-22 | | | | | | | |
| 2013-03-23 | | | | | | | |
| 2013-03-24 | | | | | | | |
| 2013-03-25 | | | | | | | |
| 2013-03-26 | | | | | | | |
| 2013-03-27 | 0.203 | | | | | | |
| 2013-03-28 | | | | | | | |
| 2013-03-29 | | | | | | | |
| 2013-03-30 | | | | | | | |
| 2013-03-31 | | | | | | | |
| **Minimum** | 0.203 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.203 | | | | | | |
| **Average** | 0.203 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-04-12 10:04 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 327742 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-04-01 To: 2013-04-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-04-01 | | | 0.02 | | | | |
| 2013-04-02 | | | 0.00 | | | | |
| 2013-04-03 | 10800 | 7.71 | 0.00 | 3260 | AA 2.5 | AA .1 | 0.386 |
| 2013-04-04 | | | 0.00 | | | | |
| 2013-04-05 | | | 0.00 | | | | |
| 2013-04-06 | | | 0.00 | | | | |
| 2013-04-07 | | | 0.01 | | | | |
| 2013-04-08 | | | 0.00 | | | | |
| 2013-04-09 | | | 0.00 | | | | |
| 2013-04-10 | 16363 | 8.02 | 0.17 | | | | |
| 2013-04-11 | | | 0.01 | | | | |
| 2013-04-12 | | | 0.29 | | | | |
| 2013-04-13 | | | 0.00 | | | | |
| 2013-04-14 | | | 0.00 | | | | |
| 2013-04-15 | | | 0.00 | | | | |
| 2013-04-16 | 3600 | 8.06 | 0.79 | | | | |
| 2013-04-17 | | | 0.01 | | | | |
| 2013-04-18 | | | 0.00 | | | | |
| 2013-04-19 | | | 0.28 | | | | |
| 2013-04-20 | | | 0.01 | | | | |
| 2013-04-21 | | | 0.00 | | | | |
| 2013-04-22 | | | 0.00 | | | | |
| 2013-04-23 | 2700 | 8.26 | 0.00 | | | | |
| 2013-04-24 | | | 0.60 | | | | |
| 2013-04-25 | | | 0.01 | | | | |
| 2013-04-26 | | | 0.00 | | | | |
| 2013-04-27 | | | 0.00 | | | | |
| 2013-04-28 | | | 0.35 | | | | |
| 2013-04-29 | | | 0.10 | | | | |
| 2013-04-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 2700.0 | 7.71 | 0.0 | 3260.0 | 0.0 | 0.0 | 0.386 |
| **Maximum** | 16363.0 | 8.26 | 0.79 | 3260.0 | 0.0 | 0.0 | 0.386 |
| **Average** | 8365.75 | | 0.08833 | 3260 | 0 | 0 | 0.386 |
| **Count** | 4 | 4 | 30 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-05-15 06:05 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 327742 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | STATION CODE: | 001 |
| | | **MONITORING PERIOD :** | 2013-04-01 To: 2013-04-30 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Richard Whitt |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-04-01 | | | | | | | |
| 2013-04-02 | | | | | | | |
| 2013-04-03 | 0.125 | | | | | | |
| 2013-04-04 | | | | | | | |
| 2013-04-05 | | | | | | | |
| 2013-04-06 | | | | | | | |
| 2013-04-07 | | | | | | | |
| 2013-04-08 | | | | | | | |
| 2013-04-09 | | | | | | | |
| 2013-04-10 | | | | | | | |
| 2013-04-11 | | | | | | | |
| 2013-04-12 | | | | | | | |
| 2013-04-13 | | | | | | | |
| 2013-04-14 | | | | | | | |
| 2013-04-15 | | | | | | | |
| 2013-04-16 | | | | | | | |
| 2013-04-17 | | | | | | | |
| 2013-04-18 | | | | | | | |
| 2013-04-19 | | | | | | | |
| 2013-04-20 | | | | | | | |
| 2013-04-21 | | | | | | | |
| 2013-04-22 | | | | | | | |
| 2013-04-23 | | | | | | | |
| 2013-04-24 | | | | | | | |
| 2013-04-25 | | | | | | | |
| 2013-04-26 | | | | | | | |
| 2013-04-27 | | | | | | | |
| 2013-04-28 | | | | | | | |
| 2013-04-29 | | | | | | | |
| 2013-04-30 | | | | | | | |
| **Minimum** | 0.125 | | | | | | |
| **Maximum** | 0.125 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.125 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-05-15 06:05 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 327742 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-04-01 To: 2013-04-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-04-01 | | | | | | | |
| 2013-04-02 | | | | | | | |
| 2013-04-03 | | | | | | | |
| 2013-04-04 | | | | | | | |
| 2013-04-05 | | | | | | | |
| 2013-04-06 | | | | | | | |
| 2013-04-07 | | | | | | | |
| 2013-04-08 | | | | | | | |
| 2013-04-09 | | | | | | | |
| 2013-04-10 | | | | | | | |
| 2013-04-11 | | | | | | | |
| 2013-04-12 | | | | | | | |
| 2013-04-13 | | | | | | | |
| 2013-04-14 | | | | | | | |
| 2013-04-15 | | | | | | | |
| 2013-04-16 | | | | | | | |
| 2013-04-17 | | | | | | | |
| 2013-04-18 | | | | | | | |
| 2013-04-19 | | | | | | | |
| 2013-04-20 | | | | | | | |
| 2013-04-21 | | | | | | | |
| 2013-04-22 | | | | | | | |
| 2013-04-23 | | | | | | | |
| 2013-04-24 | | | | | | | |
| 2013-04-25 | | | | | | | |
| 2013-04-26 | | | | | | | |
| 2013-04-27 | | | | | | | |
| 2013-04-28 | | | | | | | |
| 2013-04-29 | | | | | | | |
| 2013-04-30 | | | | | | | |
| **Minimum** | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-05-15 06:05 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 327742 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-04-01 To: 2013-04-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-04-01 | | | | | | | |
| 2013-04-02 | | | | | | | |
| 2013-04-03 | | | | | | | |
| 2013-04-04 | | | | | | | |
| 2013-04-05 | | | | | | | |
| 2013-04-06 | | | | | | | |
| 2013-04-07 | | | | | | | |
| 2013-04-08 | | | | | | | |
| 2013-04-09 | | | | | | | |
| 2013-04-10 | | | | | | | |
| 2013-04-11 | | | | | | | |
| 2013-04-12 | | | | | | | |
| 2013-04-13 | | | | | | | |
| 2013-04-14 | | | | | | | |
| 2013-04-15 | | | | | | | |
| 2013-04-16 | | | | | | | |
| 2013-04-17 | | | | | | | |
| 2013-04-18 | | | | | | | |
| 2013-04-19 | | | | | | | |
| 2013-04-20 | | | | | | | |
| 2013-04-21 | | | | | | | |
| 2013-04-22 | | | | | | | |
| 2013-04-23 | | | | | | | |
| 2013-04-24 | | | | | | | |
| 2013-04-25 | | | | | | | |
| 2013-04-26 | | | | | | | |
| 2013-04-27 | | | | | | | |
| 2013-04-28 | | | | | | | |
| 2013-04-29 | | | | | | | |
| 2013-04-30 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-05-15 06:05 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 334051 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-05-01 To: 2013-05-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-05-01 | | | 0.00 | | | | |
| 2013-05-02 | | | 0.00 | | | | |
| 2013-05-03 | | | 0.00 | | | | |
| 2013-05-04 | | | 0.02 | | | | |
| 2013-05-05 | | | 0.00 | | | | |
| 2013-05-06 | 1075 | 8.40 | 0.02 | 3620 | AA 5 | AA .1 | 0.060 |
| 2013-05-07 | | | 0.25 | | | | |
| 2013-05-08 | | | 0.07 | | | | |
| 2013-05-09 | 1576 | 8.94 | 0.02 | | | | |
| 2013-05-10 | | | 0.77 | | | | |
| 2013-05-11 | | | 0.23 | | | | |
| 2013-05-12 | | | 0.00 | | | | |
| 2013-05-13 | | | 0.00 | | | | |
| 2013-05-14 | | | 0.00 | | | | |
| 2013-05-15 | 1080 | 8.55 | 0.00 | | | | |
| 2013-05-16 | | | 0.29 | | | | |
| 2013-05-17 | | | 0.00 | | | | |
| 2013-05-18 | | | 0.00 | | | | |
| 2013-05-19 | | | 0.00 | | | | |
| 2013-05-20 | | | 0.00 | | | | |
| 2013-05-21 | | | 0.18 | | | | |
| 2013-05-22 | 2700 | 8.96 | 0.08 | | | | |
| 2013-05-23 | | | 0.35 | | | | |
| 2013-05-24 | | | 0.06 | | | | |
| 2013-05-25 | | | 0.06 | | | | |
| 2013-05-26 | | | 0.00 | | | | |
| 2013-05-27 | | | 0.00 | | | | |
| 2013-05-28 | | | 0.01 | | | | |
| 2013-05-29 | | | 0.00 | | | | |
| 2013-05-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2013-05-31 | | | 0.00 | | | | |
| **Minimum** | 1075.0 | 8.4 | 0.0 | 3620.0 | 0.0 | 0.0 | 0.06 |
| **Maximum** | 2700.0 | 8.96 | 0.77 | 3620.0 | 0.0 | 0.0 | 0.06 |
| **Average** | 1607.75 | | 0.07774 | 3620 | 0 | 0 | 0.06 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-06-13 07:06 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 334051 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | **STATION CODE:** | 001 |
| | | **MONITORING PERIOD :** | 2013-05-01 To: 2013-05-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-05-01 | | | | | | | |
| 2013-05-02 | | | | | | | |
| 2013-05-03 | | | | | | | |
| 2013-05-04 | | | | | | | |
| 2013-05-05 | | | | | | | |
| 2013-05-06 | 0.014 | | | | | | |
| 2013-05-07 | | | | | | | |
| 2013-05-08 | | | | | | | |
| 2013-05-09 | | | | | | | |
| 2013-05-10 | | | | | | | |
| 2013-05-11 | | | | | | | |
| 2013-05-12 | | | | | | | |
| 2013-05-13 | | | | | | | |
| 2013-05-14 | | | | | | | |
| 2013-05-15 | | | | | | | |
| 2013-05-16 | | | | | | | |
| 2013-05-17 | | | | | | | |
| 2013-05-18 | | | | | | | |
| 2013-05-19 | | | | | | | |
| 2013-05-20 | | | | | | | |
| 2013-05-21 | | | | | | | |
| 2013-05-22 | | | | | | | |
| 2013-05-23 | | | | | | | |
| 2013-05-24 | | | | | | | |
| 2013-05-25 | | | | | | | |
| 2013-05-26 | | | | | | | |
| 2013-05-27 | | | | | | | |
| 2013-05-28 | | | | | | | |
| 2013-05-29 | | | | | | | |
| 2013-05-30 | | | | | | | |
| 2013-05-31 | | | | | | | |
| **Minimum** | 0.014 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.014 | | | | | | |
| **Average** | 0.014 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-06-13 07:06 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 334051 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-05-01 To: 2013-05-31 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-05-01 | | | | | | | |
| 2013-05-02 | | | | | | | |
| 2013-05-03 | | | | | | | |
| 2013-05-04 | | | | | | | |
| 2013-05-05 | | | | | | | |
| 2013-05-06 | | | | | | | |
| 2013-05-07 | | | | | | | |
| 2013-05-08 | | | | | | | |
| 2013-05-09 | | | | | | | |
| 2013-05-10 | | | | | | | |
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| 2013-05-20 | | | | | | | |
| 2013-05-21 | | | | | | | |
| 2013-05-22 | | | | | | | |
| 2013-05-23 | | | | | | | |
| 2013-05-24 | | | | | | | |
| 2013-05-25 | | | | | | | |
| 2013-05-26 | | | | | | | |
| 2013-05-27 | | | | | | | |
| 2013-05-28 | | | | | | | |
| 2013-05-29 | | | | | | | |
| 2013-05-30 | | | | | | | |
| 2013-05-31 | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-06-13 07:06 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 334051 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-05-01 To: 2013-05-31 |
| COUNTY: | Belmont | REPORTING LAB: | |
| DISTRICT: | SEDO | ANALYST: | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-05-01 | | | | | | | |
| 2013-05-02 | | | | | | | |
| 2013-05-03 | | | | | | | |
| 2013-05-04 | | | | | | | |
| 2013-05-05 | | | | | | | |
| 2013-05-06 | | | | | | | |
| 2013-05-07 | | | | | | | |
| 2013-05-08 | | | | | | | |
| 2013-05-09 | | | | | | | |
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| 2013-05-11 | | | | | | | |
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| 2013-05-21 | | | | | | | |
| 2013-05-22 | | | | | | | |
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| 2013-05-24 | | | | | | | |
| 2013-05-25 | | | | | | | |
| 2013-05-26 | | | | | | | |
| 2013-05-27 | | | | | | | |
| 2013-05-28 | | | | | | | |
| 2013-05-29 | | | | | | | |
| 2013-05-30 | | | | | | | |
| 2013-05-31 | | | | | | | |
| **Minimum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-06-13 07:06 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 340608 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-06-01 To: 2013-06-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-06-01 | | | 0.00 | | | | |
| 2013-06-02 | | | 0.04 | | | | |
| 2013-06-03 | | | 0.00 | | | | |
| 2013-06-04 | | | 0.01 | | | | |
| 2013-06-05 | 270 | 8.50 | 0.18 | 3820 | AA 5 | AA .1 | 0.204 |
| 2013-06-06 | | | 2.41 | | | | |
| 2013-06-07 | | | 0.00 | | | | |
| 2013-06-08 | | | 0.00 | | | | |
| 2013-06-09 | | | 0.00 | | | | |
| 2013-06-10 | | | 0.40 | | | | |
| 2013-06-11 | | | 0.00 | | | | |
| 2013-06-12 | | | 0.69 | | | | |
| 2013-06-13 | | | 0.75 | | | | |
| 2013-06-14 | 21600 | 8.02 | 0.00 | | | | |
| 2013-06-15 | | | 0.00 | | | | |
| 2013-06-16 | | | 0.12 | | | | |
| 2013-06-17 | | | 0.48 | | | | |
| 2013-06-18 | | | 0.03 | | | | |
| 2013-06-19 | 320 | 8.87 | 0.00 | | | | |
| 2013-06-20 | | | 0.00 | | | | |
| 2013-06-21 | | | 0.00 | | | | |
| 2013-06-22 | | | 0.00 | | | | |
| 2013-06-23 | | | 0.00 | | | | |
| 2013-06-24 | | | 0.00 | | | | |
| 2013-06-25 | | | 0.03 | | | | |
| 2013-06-26 | | | 0.31 | | | | |
| 2013-06-27 | | | 0.23 | | | | |
| 2013-06-28 | 2879 | 8.01 | 0.40 | | | | |
| 2013-06-29 | | | 0.10 | | | | |
| 2013-06-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 270.0 | 8.01 | 0.0 | 3820.0 | 0.0 | 0.0 | 0.204 |
| **Maximum** | 21600.0 | 8.87 | 2.41 | 3820.0 | 0.0 | 0.0 | 0.204 |
| **Average** | 6267.25 | | 0.206 | 3820 | 0 | 0 | 0.204 |
| **Count** | 4 | 4 | 30 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-07-15 08:07 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 340608 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-06-01 To: 2013-06-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-06-01 | | | | | | | |
| 2013-06-02 | | | | | | | |
| 2013-06-03 | | | | | | | |
| 2013-06-04 | | | | | | | |
| 2013-06-05 | 0.126 | | | | | | |
| 2013-06-06 | | | | | | | |
| 2013-06-07 | | | | | | | |
| 2013-06-08 | | | | | | | |
| 2013-06-09 | | | | | | | |
| 2013-06-10 | | | | | | | |
| 2013-06-11 | | | | | | | |
| 2013-06-12 | | | | | | | |
| 2013-06-13 | | | | | | | |
| 2013-06-14 | | | | | | | |
| 2013-06-15 | | | | | | | |
| 2013-06-16 | | | | | | | |
| 2013-06-17 | | | | | | | |
| 2013-06-18 | | | | | | | |
| 2013-06-19 | | | | | | | |
| 2013-06-20 | | | | | | | |
| 2013-06-21 | | | | | | | |
| 2013-06-22 | | | | | | | |
| 2013-06-23 | | | | | | | |
| 2013-06-24 | | | | | | | |
| 2013-06-25 | | | | | | | |
| 2013-06-26 | | | | | | | |
| 2013-06-27 | | | | | | | |
| 2013-06-28 | | | | | | | |
| 2013-06-29 | | | | | | | |
| 2013-06-30 | | | | | | | |
| **Minimum** | 0.126 | | | | | | |
| **Maximum** | 0.126 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.126 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-07-15 08:07 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 340608 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | **STATION CODE:** | 002 |
| | | **MONITORING PERIOD :** | 2013-06-01 To: 2013-06-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-06-01 | | | 0.00 | | | | |
| 2013-06-02 | | | 0.04 | | | | |
| 2013-06-03 | | | 0.00 | | | | |
| 2013-06-04 | | | 0.01 | | | | |
| 2013-06-05 | AC | AC | 0.18 | | | | |
| 2013-06-06 | | | 2.41 | | | | |
| 2013-06-07 | | | 0.00 | | | | |
| 2013-06-08 | | | 0.00 | | | | |
| 2013-06-09 | | | 0.00 | | | | |
| 2013-06-10 | | | 0.40 | | | | |
| 2013-06-11 | | | 0.00 | | | | |
| 2013-06-12 | | | 0.69 | | | | |
| 2013-06-13 | | | 0.75 | | | | |
| 2013-06-14 | 3600 | 7.51 | 0.00 | 346 | AA 5 | AA .1 | 0.38 |
| 2013-06-15 | | | 0.00 | | | | |
| 2013-06-16 | | | 0.12 | | | | |
| 2013-06-17 | | | 0.48 | | | | |
| 2013-06-18 | | | 0.03 | | | | |
| 2013-06-19 | AC | AC | 0.00 | | | | |
| 2013-06-20 | | | 0.00 | | | | |
| 2013-06-21 | | | 0.00 | | | | |
| 2013-06-22 | | | 0.00 | | | | |
| 2013-06-23 | | | 0.00 | | | | |
| 2013-06-24 | | | 0.00 | | | | |
| 2013-06-25 | | | 0.03 | | | | |
| 2013-06-26 | | | 0.31 | | | | |
| 2013-06-27 | | | 0.23 | | | | |
| 2013-06-28 | AC | AC | 0.40 | | | | |
| 2013-06-29 | | | 0.10 | | | | |
| 2013-06-30 | | | 0.00 | | | | |
| **Minimum** | 3600.0 | 7.51 | 0.0 | 346.0 | 0.0 | 0.0 | 0.38 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 3600.0 | 7.51 | 2.41 | 346.0 | 0.0 | 0.0 | 0.38 |
| **Average** | 3600 | | 0.206 | 346 | 0 | 0 | 0.38 |
| **Count** | 1 | 1 | 30 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-07-15 08:07 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 340608 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-06-01 To: 2013-06-30 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-06-01 | | | | | | | |
| 2013-06-02 | | | | | | | |
| 2013-06-03 | | | | | | | |
| 2013-06-04 | | | | | | | |
| 2013-06-05 | | | | | | | |
| 2013-06-06 | | | | | | | |
| 2013-06-07 | | | | | | | |
| 2013-06-08 | | | | | | | |
| 2013-06-09 | | | | | | | |
| 2013-06-10 | | | | | | | |
| 2013-06-11 | | | | | | | |
| 2013-06-12 | | | | | | | |
| 2013-06-13 | | | | | | | |
| 2013-06-14 | 0.16 | | | | | | |
| 2013-06-15 | | | | | | | |
| 2013-06-16 | | | | | | | |
| 2013-06-17 | | | | | | | |
| 2013-06-18 | | | | | | | |
| 2013-06-19 | | | | | | | |
| 2013-06-20 | | | | | | | |
| 2013-06-21 | | | | | | | |
| 2013-06-22 | | | | | | | |
| 2013-06-23 | | | | | | | |
| 2013-06-24 | | | | | | | |
| 2013-06-25 | | | | | | | |
| 2013-06-26 | | | | | | | |
| 2013-06-27 | | | | | | | |
| 2013-06-28 | | | | | | | |
| 2013-06-29 | | | | | | | |
| 2013-06-30 | | | | | | | |
| **Minimum** | 0.16 | | | | | | |
| **Maximum** | 0.16 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.16 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-07-15 08:07 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 347633 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-07-01 To: 2013-07-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-07-01 | | | 0.43 | | | | |
| 2013-07-02 | | | 0.04 | | | | |
| 2013-07-03 | | | 0.00 | | | | |
| 2013-07-04 | | | 0.29 | | | | |
| 2013-07-05 | 1304 | 8.21 | 0.05 | | | | |
| 2013-07-06 | | | 0.01 | | | | |
| 2013-07-07 | | | 0.19 | | | | |
| 2013-07-08 | 1432 | 8.68 | 0.15 | 2580 | AA 5 | AA .1 | 0.0707 |
| 2013-07-09 | | | 1.31 | | | | |
| 2013-07-10 | | | 0.39 | | | | |
| 2013-07-11 | | | 0.01 | | | | |
| 2013-07-12 | | | 0.30 | | | | |
| 2013-07-13 | | | 0.01 | | | | |
| 2013-07-14 | | | 0.00 | | | | |
| 2013-07-15 | | | 0.00 | | | | |
| 2013-07-16 | | | 0.00 | | | | |
| 2013-07-17 | 819 | 8.25 | 0.00 | | | | |
| 2013-07-18 | | | 0.31 | | | | |
| 2013-07-19 | | | 0.78 | | | | |
| 2013-07-20 | | | 0.42 | | | | |
| 2013-07-21 | | | 0.10 | | | | |
| 2013-07-22 | | | 0.34 | | | | |
| 2013-07-23 | | | 0.05 | | | | |
| 2013-07-24 | 5510 | 7.86 | 0.01 | | | | |
| 2013-07-25 | | | 0.00 | | | | |
| 2013-07-26 | | | 0.01 | | | | |
| 2013-07-27 | | | 0.06 | | | | |
| 2013-07-28 | | | 0.03 | | | | |
| 2013-07-29 | | | 0.00 | | | | |
| 2013-07-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2013-07-31 | | | 0.00 | | | | |
| **Minimum** | 819.0 | 7.86 | 0.0 | 2580.0 | 0.0 | 0.0 | 0.0707 |
| **Maximum** | 5510.0 | 8.68 | 1.31 | 2580.0 | 0.0 | 0.0 | 0.0707 |
| **Average** | 2266.25 | | 0.17065 | 2580 | 0 | 0 | 0.0707 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-08-14 10:08 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 347633 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | **STATION CODE:** | 001 |
| | | **MONITORING PERIOD :** | 2013-07-01 To: 2013-07-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-07-01 | | | | | | | |
| 2013-07-02 | | | | | | | |
| 2013-07-03 | | | | | | | |
| 2013-07-04 | | | | | | | |
| 2013-07-05 | | | | | | | |
| 2013-07-06 | | | | | | | |
| 2013-07-07 | | | | | | | |
| 2013-07-08 | 0.0149 | | | | | | |
| 2013-07-09 | | | | | | | |
| 2013-07-10 | | | | | | | |
| 2013-07-11 | | | | | | | |
| 2013-07-12 | | | | | | | |
| 2013-07-13 | | | | | | | |
| 2013-07-14 | | | | | | | |
| 2013-07-15 | | | | | | | |
| 2013-07-16 | | | | | | | |
| 2013-07-17 | | | | | | | |
| 2013-07-18 | | | | | | | |
| 2013-07-19 | | | | | | | |
| 2013-07-20 | | | | | | | |
| 2013-07-21 | | | | | | | |
| 2013-07-22 | | | | | | | |
| 2013-07-23 | | | | | | | |
| 2013-07-24 | | | | | | | |
| 2013-07-25 | | | | | | | |
| 2013-07-26 | | | | | | | |
| 2013-07-27 | | | | | | | |
| 2013-07-28 | | | | | | | |
| 2013-07-29 | | | | | | | |
| 2013-07-30 | | | | | | | |
| 2013-07-31 | | | | | | | |
| **Minimum** | 0.0149 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.0149 | | | | | | |
| **Average** | 0.0149 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-08-14 10:08 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 347633 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-07-01 To: 2013-07-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-07-01 | | | 0.43 | | | | |
| 2013-07-02 | | | 0.04 | | | | |
| 2013-07-03 | | | 0.00 | | | | |
| 2013-07-04 | | | 0.29 | | | | |
| 2013-07-05 | AC | AC | 0.05 | | | | |
| 2013-07-06 | | | 0.01 | | | | |
| 2013-07-07 | | | 0.19 | | | | |
| 2013-07-08 | | | 0.15 | | | | |
| 2013-07-09 | | | 1.31 | | | | |
| 2013-07-10 | | | 0.39 | | | | |
| 2013-07-11 | 485 | 7.87 | 0.01 | 342 | AA 5 | AA .1 | 0.0337 |
| 2013-07-12 | | | 0.30 | | | | |
| 2013-07-13 | | | 0.01 | | | | |
| 2013-07-14 | | | 0.00 | | | | |
| 2013-07-15 | | | 0.00 | | | | |
| 2013-07-16 | | | 0.00 | | | | |
| 2013-07-17 | AC | AC | 0.00 | | | | |
| 2013-07-18 | | | 0.31 | | | | |
| 2013-07-19 | | | 0.78 | | | | |
| 2013-07-20 | | | 0.42 | | | | |
| 2013-07-21 | | | 0.10 | | | | |
| 2013-07-22 | | | 0.34 | | | | |
| 2013-07-23 | | | 0.05 | | | | |
| 2013-07-24 | 1054 | 7.45 | 0.01 | | | | |
| 2013-07-25 | | | 0.00 | | | | |
| 2013-07-26 | | | 0.01 | | | | |
| 2013-07-27 | | | 0.06 | | | | |
| 2013-07-28 | | | 0.03 | | | | |
| 2013-07-29 | | | 0.00 | | | | |
| 2013-07-30 | | | 0.00 | | | | |
| 2013-07-31 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 485.0 | 7.45 | 0.0 | 342.0 | 0.0 | 0.0 | 0.0337 |
| **Maximum** | 1054.0 | 7.87 | 1.31 | 342.0 | 0.0 | 0.0 | 0.0337 |
| **Average** | 769.5 | | 0.17065 | 342 | 0 | 0 | 0.0337 |
| **Count** | 2 | 2 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-08-14 10:08 |

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**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 347633 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-07-01 To: 2013-07-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-07-01 | | | | | | | |
| 2013-07-02 | | | | | | | |
| 2013-07-03 | | | | | | | |
| 2013-07-04 | | | | | | | |
| 2013-07-05 | | | | | | | |
| 2013-07-06 | | | | | | | |
| 2013-07-07 | | | | | | | |
| 2013-07-08 | | | | | | | |
| 2013-07-09 | | | | | | | |
| 2013-07-10 | | | | | | | |
| 2013-07-11 | 0.0127 | | | | | | |
| 2013-07-12 | | | | | | | |
| 2013-07-13 | | | | | | | |
| 2013-07-14 | | | | | | | |
| 2013-07-15 | | | | | | | |
| 2013-07-16 | | | | | | | |
| 2013-07-17 | | | | | | | |
| 2013-07-18 | | | | | | | |
| 2013-07-19 | | | | | | | |
| 2013-07-20 | | | | | | | |
| 2013-07-21 | | | | | | | |
| 2013-07-22 | | | | | | | |
| 2013-07-23 | | | | | | | |
| 2013-07-24 | | | | | | | |
| 2013-07-25 | | | | | | | |
| 2013-07-26 | | | | | | | |
| 2013-07-27 | | | | | | | |
| 2013-07-28 | | | | | | | |
| 2013-07-29 | | | | | | | |
| 2013-07-30 | | | | | | | |
| 2013-07-31 | | | | | | | |
| **Minimum** | 0.0127 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.0127 | | | | | | |
| **Average** | 0.0127 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-08-14 10:08 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 354645 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-08-01 To: 2013-08-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-08-01 | | | 0.09 | | | | |
| 2013-08-02 | 675 | 8.47 | 0.00 | 2240 | 14 | AA .1 | 0.230 |
| 2013-08-03 | | | 0.29 | | | | |
| 2013-08-04 | | | 0.00 | | | | |
| 2013-08-05 | | | 0.01 | | | | |
| 2013-08-06 | | | 0.00 | | | | |
| 2013-08-07 | | | 0.07 | | | | |
| 2013-08-08 | | | 0.00 | | | | |
| 2013-08-09 | | | 1.26 | | | | |
| 2013-08-10 | | | 0.01 | | | | |
| 2013-08-11 | | | 0.26 | | | | |
| 2013-08-12 | | | 0.04 | | | | |
| 2013-08-13 | | | 0.08 | | | | |
| 2013-08-14 | 862 | 8.43 | 0.00 | | | | |
| 2013-08-15 | | | 0.00 | | | | |
| 2013-08-16 | | | 0.00 | | | | |
| 2013-08-17 | | | 0.00 | | | | |
| 2013-08-18 | | | 0.23 | | | | |
| 2013-08-19 | | | 0.30 | | | | |
| 2013-08-20 | | | 0.04 | | | | |
| 2013-08-21 | 813 | 8.48 | 0.00 | | | | |
| 2013-08-22 | 740 | 8.50 | 0.05 | | | | |
| 2013-08-23 | | | 0.95 | | | | |
| 2013-08-24 | | | 0.07 | | | | |
| 2013-08-25 | | | 0.00 | | | | |
| 2013-08-26 | | | 0.01 | | | | |
| 2013-08-27 | | | 0.01 | | | | |
| 2013-08-28 | | | 0.16 | | | | |
| 2013-08-29 | | | 0.03 | | | | |
| 2013-08-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2013-08-31 | | | 0.26 | | | | |
| **Minimum** | 675.0 | 8.43 | 0.0 | 2240.0 | 14.0 | 0.0 | 0.23 |
| **Maximum** | 862.0 | 8.5 | 1.26 | 2240.0 | 14.0 | 0.0 | 0.23 |
| **Average** | 772.5 | | 0.13613 | 2240 | 14 | 0 | 0.23 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-09-16 13:09 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 354645 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | **STATION CODE:** | 001 |
| | | **MONITORING PERIOD :** | 2013-08-01 To: 2013-08-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-08-01 | | | | | | | |
| 2013-08-02 | 0.0184 | | | | | | |
| 2013-08-03 | | | | | | | |
| 2013-08-04 | | | | | | | |
| 2013-08-05 | | | | | | | |
| 2013-08-06 | | | | | | | |
| 2013-08-07 | | | | | | | |
| 2013-08-08 | | | | | | | |
| 2013-08-09 | | | | | | | |
| 2013-08-10 | | | | | | | |
| 2013-08-11 | | | | | | | |
| 2013-08-12 | | | | | | | |
| 2013-08-13 | | | | | | | |
| 2013-08-14 | | | | | | | |
| 2013-08-15 | | | | | | | |
| 2013-08-16 | | | | | | | |
| 2013-08-17 | | | | | | | |
| 2013-08-18 | | | | | | | |
| 2013-08-19 | | | | | | | |
| 2013-08-20 | | | | | | | |
| 2013-08-21 | | | | | | | |
| 2013-08-22 | | | | | | | |
| 2013-08-23 | | | | | | | |
| 2013-08-24 | | | | | | | |
| 2013-08-25 | | | | | | | |
| 2013-08-26 | | | | | | | |
| 2013-08-27 | | | | | | | |
| 2013-08-28 | | | | | | | |
| 2013-08-29 | | | | | | | |
| 2013-08-30 | | | | | | | |
| 2013-08-31 | | | | | | | |
| **Minimum** | 0.0184 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.0184 | | | | | | |
| **Average** | 0.0184 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-09-16 13:09 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 354645 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-08-01 To: 2013-08-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-08-01 | | | 0.09 | | | | |
| 2013-08-02 | AC | AC | 0.00 | | | | |
| 2013-08-03 | | | 0.29 | | | | |
| 2013-08-04 | | | 0.00 | | | | |
| 2013-08-05 | | | 0.01 | | | | |
| 2013-08-06 | | | 0.00 | | | | |
| 2013-08-07 | | | 0.07 | | | | |
| 2013-08-08 | | | 0.00 | | | | |
| 2013-08-09 | | | 1.26 | | | | |
| 2013-08-10 | | | 0.01 | | | | |
| 2013-08-11 | | | 0.26 | | | | |
| 2013-08-12 | | | 0.04 | | | | |
| 2013-08-13 | | | 0.08 | | | | |
| 2013-08-14 | AC | AC | 0.00 | | | | |
| 2013-08-15 | | | 0.00 | | | | |
| 2013-08-16 | | | 0.00 | | | | |
| 2013-08-17 | | | 0.00 | | | | |
| 2013-08-18 | | | 0.23 | | | | |
| 2013-08-19 | | | 0.30 | | | | |
| 2013-08-20 | | | 0.04 | | | | |
| 2013-08-21 | AC | AC | 0.00 | | | | |
| 2013-08-22 | | | 0.05 | | | | |
| 2013-08-23 | | | 0.95 | | | | |
| 2013-08-24 | 285 | 8.11 | 0.07 | 344 | AA 5 | ·AA .1 | 0.0318 |
| 2013-08-25 | | | 0.00 | | | | |
| 2013-08-26 | | | 0.01 | | | | |
| 2013-08-27 | | | 0.01 | | | | |
| 2013-08-28 | | | 0.16 | | | | |
| 2013-08-29 | | | 0.03 | | | | |
| 2013-08-30 | | | 0.00 | | | | |
| 2013-08-31 | | | 0.26 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 285.0 | 8.11 | 0.0 | 344.0 | 0.0 | 0.0 | 0.0318 |
| **Maximum** | 285.0 | 8.11 | 1.26 | 344.0 | 0.0 | 0.0 | 0.0318 |
| **Average** | 285 | | 0.13613 | 344 | 0 | 0 | 0.0318 |
| **Count** | 1 | 1 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-09-16 13:09 |

Page 3

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 354645 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-08-01 To: 2013-08-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-08-01 | | | | | | | |
| 2013-08-02 | | | | | | | |
| 2013-08-03 | | | | | | | |
| 2013-08-04 | | | | | | | |
| 2013-08-05 | | | | | | | |
| 2013-08-06 | | | | | | | |
| 2013-08-07 | | | | | | | |
| 2013-08-08 | | | | | | | |
| 2013-08-09 | | | | | | | |
| 2013-08-10 | | | | | | | |
| 2013-08-11 | | | | | | | |
| 2013-08-12 | | | | | | | |
| 2013-08-13 | | | | | | | |
| 2013-08-14 | | | | | | | |
| 2013-08-15 | | | | | | | |
| 2013-08-16 | | | | | | | |
| 2013-08-17 | | | | | | | |
| 2013-08-18 | | | | | | | |
| 2013-08-19 | | | | | | | |
| 2013-08-20 | | | | | | | |
| 2013-08-21 | | | | | | | |
| 2013-08-22 | | | | | | | |
| 2013-08-23 | | | | | | | |
| 2013-08-24 | 0.0282 | | | | | | |
| 2013-08-25 | | | | | | | |
| 2013-08-26 | | | | | | | |
| 2013-08-27 | | | | | | | |
| 2013-08-28 | | | | | | | |
| 2013-08-29 | | | | | | | |
| 2013-08-30 | | | | | | | |
| 2013-08-31 | | | | | | | |
| **Minimum** | 0.0282 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.0282 | | | | | | |
| **Average** | 0.0282 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-09-16 13:09 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 361202 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-09-01 To: 2013-09-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-09-01 | | | 0.01 | | | | |
| 2013-09-02 | | | 0.04 | | | | |
| 2013-09-03 | 718 | 8.23 | 0.01 | 1780 | AA 5 | AA .1 | 0.0343 |
| 2013-09-04 | | | 0.01 | | | | |
| 2013-09-05 | | | 0.04 | | | | |
| 2013-09-06 | | | 0.00 | | | | |
| 2013-09-07 | | | 0.00 | | | | |
| 2013-09-08 | | | 0.00 | | | | |
| 2013-09-09 | | | 0.00 | | | | |
| 2013-09-10 | 109 | 8.84 | 0.00 | | | | |
| 2013-09-11 | | | 0.00 | | | | |
| 2013-09-12 | | | 0.07 | | | | |
| 2013-09-13 | | | 0.00 | | | | |
| 2013-09-14 | | | 0.01 | | | | |
| 2013-09-15 | | | 0.00 | | | | |
| 2013-09-16 | 270 | 8.82 | 0.33 | | | | |
| 2013-09-17 | | | 0.00 | | | | |
| 2013-09-18 | | | 0.00 | | | | |
| 2013-09-19 | | | 0.00 | | | | |
| 2013-09-20 | | | 0.00 | | | | |
| 2013-09-21 | | | 1.20 | | | | |
| 2013-09-22 | 1898 | 8.49 | 0.01 | | | | |
| 2013-09-23 | | | 0.00 | | | | |
| 2013-09-24 | | | 0.00 | | | | |
| 2013-09-25 | | | 0.00 | | | | |
| 2013-09-26 | | | 0.01 | | | | |
| 2013-09-27 | | | 0.00 | | | | |
| 2013-09-28 | | | 0.00 | | | | |
| 2013-09-29 | | | 0.01 | | | | |
| 2013-09-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 109.0 | 8.23 | 0.0 | 1780.0 | 0.0 | 0.0 | 0.0343 |
| **Maximum** | 1898.0 | 8.84 | 1.2 | 1780.0 | 0.0 | 0.0 | 0.0343 |
| **Average** | 748.75 | | 0.05833 | 1780 | 0 | 0 | 0.0343 |
| **Count** | 4 | 4 | 30 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-10-14 13:10 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 361202 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-09-01 To: 2013-09-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-09-01 | | | | | | | |
| 2013-09-02 | | | | | | | |
| 2013-09-03 | 0.0081 | | | | | | |
| 2013-09-04 | | | | | | | |
| 2013-09-05 | | | | | | | |
| 2013-09-06 | | | | | | | |
| 2013-09-07 | | | | | | | |
| 2013-09-08 | | | | | | | |
| 2013-09-09 | | | | | | | |
| 2013-09-10 | | | | | | | |
| 2013-09-11 | | | | | | | |
| 2013-09-12 | | | | | | | |
| 2013-09-13 | | | | | | | |
| 2013-09-14 | | | | | | | |
| 2013-09-15 | | | | | | | |
| 2013-09-16 | | | | | | | |
| 2013-09-17 | | | | | | | |
| 2013-09-18 | | | | | | | |
| 2013-09-19 | | | | | | | |
| 2013-09-20 | | | | | | | |
| 2013-09-21 | | | | | | | |
| 2013-09-22 | | | | | | | |
| 2013-09-23 | | | | | | | |
| 2013-09-24 | | | | | | | |
| 2013-09-25 | | | | | | | |
| 2013-09-26 | | | | | | | |
| 2013-09-27 | | | | | | | |
| 2013-09-28 | | | | | | | |
| 2013-09-29 | | | | | | | |
| 2013-09-30 | | | | | | | |
| **Minimum** | 0.0081 | | | | | | |
| **Maximum** | 0.0081 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.0081 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-10-14 13:10 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 361202 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-09-01 To: 2013-09-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-09-01 | | | | | | | |
| 2013-09-02 | | | | | | | |
| 2013-09-03 | | | | | | | |
| 2013-09-04 | | | | | | | |
| 2013-09-05 | | | | | | | |
| 2013-09-06 | | | | | | | |
| 2013-09-07 | | | | | | | |
| 2013-09-08 | | | | | | | |
| 2013-09-09 | | | | | | | |
| 2013-09-10 | | | | | | | |
| 2013-09-11 | | | | | | | |
| 2013-09-12 | | | | | | | |
| 2013-09-13 | | | | | | | |
| 2013-09-14 | | | | | | | |
| 2013-09-15 | | | | | | | |
| 2013-09-16 | | | | | | | |
| 2013-09-17 | | | | | | | |
| 2013-09-18 | | | | | | | |
| 2013-09-19 | | | | | | | |
| 2013-09-20 | | | | | | | |
| 2013-09-21 | | | | | | | |
| 2013-09-22 | | | | | | | |
| 2013-09-23 | | | | | | | |
| 2013-09-24 | | | | | | | |
| 2013-09-25 | | | | | | | |
| 2013-09-26 | | | | | | | |
| 2013-09-27 | | | | | | | |
| 2013-09-28 | | | | | | | |
| 2013-09-29 | | | | | | | |
| 2013-09-30 | | | | | | | |
| **Minimum** | | | | | | | |

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|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-10-14 13:10 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 361202 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-09-01 To: 2013-09-30 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-09-01 | | | | | | | |
| 2013-09-02 | | | | | | | |
| 2013-09-03 | | | | | | | |
| 2013-09-04 | | | | | | | |
| 2013-09-05 | | | | | | | |
| 2013-09-06 | | | | | | | |
| 2013-09-07 | | | | | | | |
| 2013-09-08 | | | | | | | |
| 2013-09-09 | | | | | | | |
| 2013-09-10 | | | | | | | |
| 2013-09-11 | | | | | | | |
| 2013-09-12 | | | | | | | |
| 2013-09-13 | | | | | | | |
| 2013-09-14 | | | | | | | |
| 2013-09-15 | | | | | | | |
| 2013-09-16 | | | | | | | |
| 2013-09-17 | | | | | | | |
| 2013-09-18 | | | | | | | |
| 2013-09-19 | | | | | | | |
| 2013-09-20 | | | | | | | |
| 2013-09-21 | | | | | | | |
| 2013-09-22 | | | | | | | |
| 2013-09-23 | | | | | | | |
| 2013-09-24 | | | | | | | |
| 2013-09-25 | | | | | | | |
| 2013-09-26 | | | | | | | |
| 2013-09-27 | | | | | | | |
| 2013-09-28 | | | | | | | |
| 2013-09-29 | | | | | | | |
| 2013-09-30 | | | | | | | |
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-10-14 13:10 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 368129 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | ***0GM00142*BG*** |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-10-01 To: 2013-10-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-10-01 | 152 | 8.78 | 0.00 | 2160 | AA 5 | AA .1 | 0.210 |
| 2013-10-02 | | | 0.00 | | | | |
| 2013-10-03 | | | 0.00 | | | | |
| 2013-10-04 | | | 0.00 | | | | |
| 2013-10-05 | | | 0.00 | | | | |
| 2013-10-06 | | | 0.00 | | | | |
| 2013-10-07 | | | 0.02 | | | | |
| 2013-10-08 | | | 0.00 | | | | |
| 2013-10-09 | | | 0.01 | | | | |
| 2013-10-10 | 198 | 8.63 | 0.00 | | | | |
| 2013-10-11 | | | 0.00 | | | | |
| 2013-10-12 | | | 0.00 | | | | |
| 2013-10-13 | | | 0.01 | | | | |
| 2013-10-14 | | | 0.52 | | | | |
| 2013-10-15 | 501 | 8.46 | 0.00 | | | | |
| 2013-10-16 | | | 0.29 | | | | |
| 2013-10-17 | | | 0.55 | | | | |
| 2013-10-18 | | | 0.01 | | | | |
| 2013-10-19 | | | 0.12 | | | | |
| 2013-10-20 | | | 0.01 | | | | |
| 2013-10-21 | | | 0.00 | | | | |
| 2013-10-22 | 586 | 8.84 | 0.17 | | | | |
| 2013-10-23 | | | 0.27 | | | | |
| 2013-10-24 | | | 0.04 | | | | |
| 2013-10-25 | | | 0.01 | | | | |
| 2013-10-26 | | | 0.01 | | | | |
| 2013-10-27 | | | 0.01 | | | | |
| 2013-10-28 | | | 0.00 | | | | |
| 2013-10-29 | | | 0.01 | | | | |
| 2013-10-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2013-10-31 | | | 0.18 | | | | |
| **Minimum** | 152.0 | 8.46 | 0.0 | 2160.0 | 0.0 | 0.0 | 0.21 |
| **Maximum** | 586.0 | 8.84 | 0.55 | 2160.0 | 0.0 | 0.0 | 0.21 |
| **Average** | 359.25 | | 0.07226 | 2160 | 0 | 0 | 0.21 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2013-11-14 06:11 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 368129 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-10-01 To: 2013-10-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-10-01 | 0.053 | | | | | | |
| 2013-10-02 | | | | | | | |
| 2013-10-03 | | | | | | | |
| 2013-10-04 | | | | | | | |
| 2013-10-05 | | | | | | | |
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| 2013-10-28 | | | | | | | |
| 2013-10-29 | | | | | | | |
| 2013-10-30 | | | | | | | |
| 2013-10-31 | | | | | | | |
| **Minimum** | 0.053 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.053 | | | | | | |
| **Average** | 0.053 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-11-14 06:11 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 368129 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-10-01 To: 2013-10-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-10-01 | | | | | | | |
| 2013-10-02 | | | | | | | |
| 2013-10-03 | | | | | | | |
| 2013-10-04 | | | | | | | |
| 2013-10-05 | | | | | | | |
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| 2013-10-30 | | | | | | | |
| 2013-10-31 | | | | | | | |

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|---|---|---|---|---|---|---|---|
| **Minimum** | | | | | | | |
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-11-14 06:11 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 368129 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-10-01 To: 2013-10-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | |
| **DISTRICT:** | SEDO | **ANALYST:** | |
| | | **NO DISCHARGE INDICATOR:** | AL |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-10-01 | | | | | | | |
| 2013-10-02 | | | | | | | |
| 2013-10-03 | | | | | | | |
| 2013-10-04 | | | | | | | |
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| 2013-10-28 | | | | | | | |
| 2013-10-29 | | | | | | | |
| 2013-10-30 | | | | | | | |
| 2013-10-31 | | | | | | | |
| **Minimum** | | | | | | | |
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|---|---|---|---|---|---|---|---|
| **Maximum** | | | | | | | |
| **Average** | | | | | | | |
| **Count** | | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-11-14 06:11 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 375116 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-11-01 To: 2013-11-30 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-11-01 | | | 0.54 | | | | |
| 2013-11-02 | | | 0.01 | | | | |
| 2013-11-03 | 1184 | 8.77 | 0.00 | 1840 | AA 5 | AA .1 | 0.0965 |
| 2013-11-04 | | | 0.00 | | | | |
| 2013-11-05 | | | 0.00 | | | | |
| 2013-11-06 | | | 0.22 | | | | |
| 2013-11-07 | | | 0.63 | | | | |
| 2013-11-08 | 2278 | 8.42 | 0.00 | | | | |
| 2013-11-09 | | | 0.00 | | | | |
| 2013-11-10 | | | 0.00 | | | | |
| 2013-11-11 | | | 0.11 | | | | |
| 2013-11-12 | | | 0.21 | | | | |
| 2013-11-13 | | | 0.02 | | | | |
| 2013-11-14 | | | 0.00 | | | | |
| 2013-11-15 | | | 0.00 | | | | |
| 2013-11-16 | | | 0.00 | | | | |
| 2013-11-17 | | | 1.16 | | | | |
| 2013-11-18 | 7448 | 8.34 | 0.00 | | | | |
| 2013-11-19 | | | 0.00 | | | | |
| 2013-11-20 | | | 0.00 | | | | |
| 2013-11-21 | | | 0.00 | | | | |
| 2013-11-22 | 3830 | 8.45 | 0.45 | | | | |
| 2013-11-23 | | | 0.00 | | | | |
| 2013-11-24 | | | 0.00 | | | | |
| 2013-11-25 | | | 0.00 | | | | |
| 2013-11-26 | | | 0.72 | | | | |
| 2013-11-27 | | | 0.00 | | | | |
| 2013-11-28 | | | 0.01 | | | | |
| 2013-11-29 | | | 0.00 | | | | |
| 2013-11-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 1184.0 | 8.34 | 0.0 | 1840.0 | 0.0 | 0.0 | 0.0965 |
| **Maximum** | 7448.0 | 8.77 | 1.16 | 1840.0 | 0.0 | 0.0 | 0.0965 |
| **Average** | 3685 | | 0.136 | 1840 | 0 | 0 | 0.0965 |
| **Count** | 4 | 4 | 30 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-12-16 07:12 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 375116 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88<br>Beallsville, OH 43716 | STATION CODE: | 001 |
| | | **MONITORING PERIOD :** | 2013-11-01 To: 2013-11-30 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-11-01 | | | | | | | |
| 2013-11-02 | | | | | | | |
| 2013-11-03 | 0.0197 | | | | | | |
| 2013-11-04 | | | | | | | |
| 2013-11-05 | | | | | | | |
| 2013-11-06 | | | | | | | |
| 2013-11-07 | | | | | | | |
| 2013-11-08 | | | | | | | |
| 2013-11-09 | | | | | | | |
| 2013-11-10 | | | | | | | |
| 2013-11-11 | | | | | | | |
| 2013-11-12 | | | | | | | |
| 2013-11-13 | | | | | | | |
| 2013-11-14 | | | | | | | |
| 2013-11-15 | | | | | | | |
| 2013-11-16 | | | | | | | |
| 2013-11-17 | | | | | | | |
| 2013-11-18 | | | | | | | |
| 2013-11-19 | | | | | | | |
| 2013-11-20 | | | | | | | |
| 2013-11-21 | | | | | | | |
| 2013-11-22 | | | | | | | |
| 2013-11-23 | | | | | | | |
| 2013-11-24 | | | | | | | |
| 2013-11-25 | | | | | | | |
| 2013-11-26 | | | | | | | |
| 2013-11-27 | | | | | | | |
| 2013-11-28 | | | | | | | |
| 2013-11-29 | | | | | | | |
| 2013-11-30 | | | | | | | |
| **Minimum** | 0.0197 | | | | | | |
| **Maximum** | 0.0197 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.0197 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-12-16 07:12 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 375116 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-11-01 To: 2013-11-30 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-11-01 | | | 0.54 | | | | |
| 2013-11-02 | | | 0.01 | | | | |
| 2013-11-03 | | | 0.00 | | | | |
| 2013-11-04 | | | 0.00 | | | | |
| 2013-11-05 | | | 0.00 | | | | |
| 2013-11-06 | | | 0.22 | | | | |
| 2013-11-07 | 1124 | 7.58 | 0.63 | 255 | AA 5 | AA .1 | 0.133 |
| 2013-11-08 | 430 | 8.14 | 0.00 | | | | |
| 2013-11-09 | | | 0.00 | | | | |
| 2013-11-10 | | | 0.00 | | | | |
| 2013-11-11 | | | 0.11 | | | | |
| 2013-11-12 | | | 0.21 | | | | |
| 2013-11-13 | | | 0.02 | | | | |
| 2013-11-14 | | | 0.00 | | | | |
| 2013-11-15 | | | 0.00 | | | | |
| 2013-11-16 | | | 0.00 | | | | |
| 2013-11-17 | | | 1.16 | | | | |
| 2013-11-18 | 2680 | 8.38 | 0.00 | | | | |
| 2013-11-19 | | | 0.00 | | | | |
| 2013-11-20 | | | 0.00 | | | | |
| 2013-11-21 | | | 0.00 | | | | |
| 2013-11-22 | 190 | 8.39 | 0.45 | | | | |
| 2013-11-23 | | | 0.00 | | | | |
| 2013-11-24 | | | 0.00 | | | | |
| 2013-11-25 | | | 0.00 | | | | |
| 2013-11-26 | | | 0.72 | | | | |
| 2013-11-27 | | | 0.00 | | | | |
| 2013-11-28 | | | 0.01 | | | | |
| 2013-11-29 | | | 0.00 | | | | |
| 2013-11-30 | | | 0.00 | | | | |
| **Minimum** | 190.0 | 7.58 | 0.0 | 255.0 | 0.0 | 0.0 | 0.133 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 2680.0 | 8.39 | 1.16 | 255.0 | 0.0 | 0.0 | 0.133 |
| **Average** | 1106 | | 0.136 | 255 | 0 | 0 | 0.133 |
| **Count** | 4 | 4 | 30 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-12-16 07:12 |

Page 3

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 375116 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-11-01 To: 2013-11-30 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-11-01 | | | | | | | |
| 2013-11-02 | | | | | | | |
| 2013-11-03 | | | | | | | |
| 2013-11-04 | | | | | | | |
| 2013-11-05 | | | | | | | |
| 2013-11-06 | | | | | | | |
| 2013-11-07 | 0.0279 | | | | | | |
| 2013-11-08 | | | | | | | |
| 2013-11-09 | | | | | | | |
| 2013-11-10 | | | | | | | |
| 2013-11-11 | | | | | | | |
| 2013-11-12 | | | | | | | |
| 2013-11-13 | | | | | | | |
| 2013-11-14 | | | | | | | |
| 2013-11-15 | | | | | | | |
| 2013-11-16 | | | | | | | |
| 2013-11-17 | | | | | | | |
| 2013-11-18 | | | | | | | |
| 2013-11-19 | | | | | | | |
| 2013-11-20 | | | | | | | |
| 2013-11-21 | | | | | | | |
| 2013-11-22 | | | | | | | |
| 2013-11-23 | | | | | | | |
| 2013-11-24 | | | | | | | |
| 2013-11-25 | | | | | | | |
| 2013-11-26 | | | | | | | |
| 2013-11-27 | | | | | | | |
| 2013-11-28 | | | | | | | |
| 2013-11-29 | | | | | | | |
| 2013-11-30 | | | | | | | |
| **Minimum** | 0.0279 | | | | | | |
| **Maximum** | 0.0279 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Average** | 0.0279 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2013-12-16 07:12 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 381374 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-12-01 To: 2013-12-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| **UNITS** | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| **FREQUENCY** | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| **SAMPLING TYPE** | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-12-01 | | | 0.00 | | | | |
| 2013-12-02 | 1569 | 7.56 | 0.00 | 1000 | AA 5 | AA .1 | 0.751 |
| 2013-12-03 | | | 0.03 | | | | |
| 2013-12-04 | | | 0.00 | | | | |
| 2013-12-05 | | | 1.27 | | | | |
| 2013-12-06 | | | 0.65 | | | | |
| 2013-12-07 | | | 0.09 | | | | |
| 2013-12-08 | | | 0.00 | | | | |
| 2013-12-09 | 31191 | 8.03 | 0.29 | | | | |
| 2013-12-10 | | | 0.02 | | | | |
| 2013-12-11 | | | 0.01 | | | | |
| 2013-12-12 | | | 0.01 | | | | |
| 2013-12-13 | | | 0.00 | | | | |
| 2013-12-14 | | | 0.54 | | | | |
| 2013-12-15 | | | 0.01 | | | | |
| 2013-12-16 | 4778 | 8.42 | 0.03 | | | | |
| 2013-12-17 | | | 0.06 | | | | |
| 2013-12-18 | | | 0.00 | | | | |
| 2013-12-19 | | | 0.00 | | | | |
| 2013-12-20 | | | 0.05 | | | | |
| 2013-12-21 | | | 1.26 | | | | |
| 2013-12-22 | | | 0.50 | | | | |
| 2013-12-23 | 28800 | 7.36 | 0.11 | | | | |
| 2013-12-24 | | | 0.00 | | | | |
| 2013-12-25 | | | 0.00 | | | | |
| 2013-12-26 | | | 0.02 | | | | |
| 2013-12-27 | | | 0.00 | | | | |
| 2013-12-28 | | | 0.00 | | | | |
| 2013-12-29 | | | 0.65 | | | | |
| 2013-12-30 | | | 0.00 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2013-12-31 | | | 0.01 | | | | |
| **Minimum** | 1569.0 | 7.36 | 0.0 | 1000.0 | 0.0 | 0.0 | 0.751 |
| **Maximum** | 31191.0 | 8.42 | 1.27 | 1000.0 | 0.0 | 0.0 | 0.751 |
| **Average** | 16584.5 | | 0.18097 | 1000 | 0 | 0 | 0.751 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2014-01-14 06:01 |

Page 1

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 381374 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-12-01 To: 2013-12-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-12-01 | | | | | | | |
| 2013-12-02 | 0.135 | | | | | | |
| 2013-12-03 | | | | | | | |
| 2013-12-04 | | | | | | | |
| 2013-12-05 | | | | | | | |
| 2013-12-06 | | | | | | | |
| 2013-12-07 | | | | | | | |
| 2013-12-08 | | | | | | | |
| 2013-12-09 | | | | | | | |
| 2013-12-10 | | | | | | | |
| 2013-12-11 | | | | | | | |
| 2013-12-12 | | | | | | | |
| 2013-12-13 | | | | | | | |
| 2013-12-14 | | | | | | | |
| 2013-12-15 | | | | | | | |
| 2013-12-16 | | | | | | | |
| 2013-12-17 | | | | | | | |
| 2013-12-18 | | | | | | | |
| 2013-12-19 | | | | | | | |
| 2013-12-20 | | | | | | | |
| 2013-12-21 | | | | | | | |
| 2013-12-22 | | | | | | | |
| 2013-12-23 | | | | | | | |
| 2013-12-24 | | | | | | | |
| 2013-12-25 | | | | | | | |
| 2013-12-26 | | | | | | | |
| 2013-12-27 | | | | | | | |
| 2013-12-28 | | | | | | | |
| 2013-12-29 | | | | | | | |
| 2013-12-30 | | | | | | | |
| 2013-12-31 | | | | | | | |
| **Minimum** | 0.135 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.135 | | | | | | |
| **Average** | 0.135 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2014-01-14 06:01 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 381374 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-12-01 To: 2013-12-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2013-12-01 | | | 0.00 | | | | |
| 2013-12-02 | 622 | 7.71 | 0.00 | 296 | AA 5 | AA .1 | 0.302 |
| 2013-12-03 | | | 0.03 | | | | |
| 2013-12-04 | | | 0.00 | | | | |
| 2013-12-05 | | | 1.27 | | | | |
| 2013-12-06 | | | 0.65 | | | | |
| 2013-12-07 | | | 0.09 | | | | |
| 2013-12-08 | | | 0.00 | | | | |
| 2013-12-09 | 21600 | 7.86 | 0.29 | | | | |
| 2013-12-10 | | | 0.02 | | | | |
| 2013-12-11 | | | 0.01 | | | | |
| 2013-12-12 | | | 0.01 | | | | |
| 2013-12-13 | | | 0.00 | | | | |
| 2013-12-14 | | | 0.54 | | | | |
| 2013-12-15 | | | 0.01 | | | | |
| 2013-12-16 | 411 | 8.25 | 0.03 | | | | |
| 2013-12-17 | | | 0.06 | | | | |
| 2013-12-18 | | | 0.00 | | | | |
| 2013-12-19 | | | 0.00 | | | | |
| 2013-12-20 | | | 0.05 | | | | |
| 2013-12-21 | | | 1.26 | | | | |
| 2013-12-22 | | | 0.50 | | | | |
| 2013-12-23 | 5400 | 7.61 | 0.11 | | | | |
| 2013-12-24 | | | 0.00 | | | | |
| 2013-12-25 | | | 0.00 | | | | |
| 2013-12-26 | | | 0.02 | | | | |
| 2013-12-27 | | | 0.00 | | | | |
| 2013-12-28 | | | 0.00 | | | | |
| 2013-12-29 | | | 0.65 | | | | |
| 2013-12-30 | | | 0.00 | | | | |
| 2013-12-31 | | | 0.01 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 411.0 | 7.61 | 0.0 | 296.0 | 0.0 | 0.0 | 0.302 |
| **Maximum** | 21600.0 | 8.25 | 1.27 | 296.0 | 0.0 | 0.0 | 0.302 |
| **Average** | 7008.25 | | 0.18097 | 296 | 0 | 0 | 0.302 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2014-01-14 06:01 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| **SUBMISSION ID:** | 381374 | **STATUS:** | Original |
| **FACILITY:** | American Energy Corp - Century Mine | **PERMIT NUMBER:** | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | **STATION CODE:** | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2013-12-01 To: 2013-12-31 |
| **COUNTY:** | Belmont | **REPORTING LAB:** | TraDet |
| **DISTRICT:** | SEDO | **ANALYST:** | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2013-12-01 | | | | | | | |
| 2013-12-02 | 0.0096 | | | | | | |
| 2013-12-03 | | | | | | | |
| 2013-12-04 | | | | | | | |
| 2013-12-05 | | | | | | | |
| 2013-12-06 | | | | | | | |
| 2013-12-07 | | | | | | | |
| 2013-12-08 | | | | | | | |
| 2013-12-09 | | | | | | | |
| 2013-12-10 | | | | | | | |
| 2013-12-11 | | | | | | | |
| 2013-12-12 | | | | | | | |
| 2013-12-13 | | | | | | | |
| 2013-12-14 | | | | | | | |
| 2013-12-15 | | | | | | | |
| 2013-12-16 | | | | | | | |
| 2013-12-17 | | | | | | | |
| 2013-12-18 | | | | | | | |
| 2013-12-19 | | | | | | | |
| 2013-12-20 | | | | | | | |
| 2013-12-21 | | | | | | | |
| 2013-12-22 | | | | | | | |
| 2013-12-23 | | | | | | | |
| 2013-12-24 | | | | | | | |
| 2013-12-25 | | | | | | | |
| 2013-12-26 | | | | | | | |
| 2013-12-27 | | | | | | | |
| 2013-12-28 | | | | | | | |
| 2013-12-29 | | | | | | | |
| 2013-12-30 | | | | | | | |
| 2013-12-31 | | | | | | | |
| **Minimum** | 0.0096 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.0096 | | | | | | |
| **Average** | 0.0096 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | | 2014-01-14 06:01 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 388703 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2014-01-01 To: 2014-01-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2014-01-01 | | | 0.00 | | | | |
| 2014-01-02 | 3685 | 7.21 | 0.01 | 1740 | 14 | AA .1 | 0.823 |
| 2014-01-03 | | | 0.05 | | | | |
| 2014-01-04 | | | 0.01 | | | | |
| 2014-01-05 | | | 0.11 | | | | |
| 2014-01-06 | | | 0.37 | | | | |
| 2014-01-07 | | | 0.00 | | | | |
| 2014-01-08 | 2748 | 7.29 | 0.00 | | | | |
| 2014-01-09 | | | 0.02 | | | | |
| 2014-01-10 | | | 0.01 | | | | |
| 2014-01-11 | | | 0.61 | | | | |
| 2014-01-12 | | | 0.00 | | | | |
| 2014-01-13 | | | 0.57 | | | | |
| 2014-01-14 | | | 0.17 | | | | |
| 2014-01-15 | | | 0.02 | | | | |
| 2014-01-16 | | | 0.00 | | | | |
| 2014-01-17 | 8600 | 7.36 | 0.10 | | | | |
| 2014-01-18 | | | 0.00 | | | | |
| 2014-01-19 | | | 0.06 | | | | |
| 2014-01-20 | | | 0.01 | | | | |
| 2014-01-21 | | | 0.00 | | | | |
| 2014-01-22 | 2700 | 7.50 | 0.00 | | | | |
| 2014-01-23 | | | 0.00 | | | | |
| 2014-01-24 | | | 0.00 | | | | |
| 2014-01-25 | | | 0.01 | | | | |
| 2014-01-26 | | | 0.01 | | | | |
| 2014-01-27 | | | 0.00 | | | | |
| 2014-01-28 | | | 0.00 | | | | |
| 2014-01-29 | | | 0.00 | | | | |
| 2014-01-30 | | | 0.49 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2014-01-31 | | | 0.03 | | | | |
| **Minimum** | 2700.0 | 7.21 | 0.0 | 1740.0 | 14.0 | 0.0 | 0.823 |
| **Maximum** | 8600.0 | 7.5 | 0.61 | 1740.0 | 14.0 | 0.0 | 0.823 |
| **Average** | 4433.25 | | 0.08581 | 1740 | 14 | 0 | 0.823 |
| **Count** | 4 | 4 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2014-02-14 09:02 |

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**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 388703 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 001 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2014-01-01 To: 2014-01-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2014-01-01 | | | | | | | |
| 2014-01-02 | 1.40 | | | | | | |
| 2014-01-03 | | | | | | | |
| 2014-01-04 | | | | | | | |
| 2014-01-05 | | | | | | | |
| 2014-01-06 | | | | | | | |
| 2014-01-07 | | | | | | | |
| 2014-01-08 | | | | | | | |
| 2014-01-09 | | | | | | | |
| 2014-01-10 | | | | | | | |
| 2014-01-11 | | | | | | | |
| 2014-01-12 | | | | | | | |
| 2014-01-13 | | | | | | | |
| 2014-01-14 | | | | | | | |
| 2014-01-15 | | | | | | | |
| 2014-01-16 | | | | | | | |
| 2014-01-17 | | | | | | | |
| 2014-01-18 | | | | | | | |
| 2014-01-19 | | | | | | | |
| 2014-01-20 | | | | | | | |
| 2014-01-21 | | | | | | | |
| 2014-01-22 | | | | | | | |
| 2014-01-23 | | | | | | | |
| 2014-01-24 | | | | | | | |
| 2014-01-25 | | | | | | | |
| 2014-01-26 | | | | | | | |
| 2014-01-27 | | | | | | | |
| 2014-01-28 | | | | | | | |
| 2014-01-29 | | | | | | | |
| 2014-01-30 | | | | | | | |
| 2014-01-31 | | | | | | | |
| **Minimum** | 1.4 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 1.4 | | | | | | |
| **Average** | 1.4 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2014-02-14 09:02 |

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 388703 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2014-01-01 To: 2014-01-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| PARAMETER | Flow Rate | pH | Total Precipitation | Specific Conductance at 25 Degrees C | Total Suspended Solids | Residue, Settleable (Volume) | Iron, Total (Fe) |
|---|---|---|---|---|---|---|---|
| PARAMETER CODE | 00056 | 00400 | 00045 | 00095 | 00530 | 00545 | 74010 |
| UNITS | GPD | S.U. | Inches | Umho/cm | mg/l | mL/L | mg/l |
| FREQUENCY | 1/Week | 1/Week | 1/Month | 1/Month | 1/Month | 1/Month | 1/Month |
| SAMPLING TYPE | 24hr Total Estimate | Grab | Total | Grab | Grab | Grab | Grab |
| 2014-01-01 | | | 0.00 | | | | |
| 2014-01-02 | 412 | 7.36 | 0.01 | 689 | 9 | AA .1 | 0.399 |
| 2014-01-03 | | | 0.05 | | | | |
| 2014-01-04 | | | 0.01 | | | | |
| 2014-01-05 | | | 0.11 | | | | |
| 2014-01-06 | | | 0.37 | | | | |
| 2014-01-07 | | | 0.00 | | | | |
| 2014-01-08 | 1095 | 7.29 | 0.00 | | | | |
| 2014-01-09 | | | 0.02 | | | | |
| 2014-01-10 | | | 0.01 | | | | |
| 2014-01-11 | | | 0.61 | | | | |
| 2014-01-12 | | | 0.00 | | | | |
| 2014-01-13 | | | 0.57 | | | | |
| 2014-01-14 | | | 0.17 | | | | |
| 2014-01-15 | | | 0.02 | | | | |
| 2014-01-16 | | | 0.00 | | | | |
| 2014-01-17 | 299 | 7.03 | 0.10 | | | | |
| 2014-01-18 | | | 0.00 | | | | |
| 2014-01-19 | | | 0.06 | | | | |
| 2014-01-20 | | | 0.01 | | | | |
| 2014-01-21 | | | 0.00 | | | | |
| 2014-01-22 | AC | AC | 0.00 | | | | |
| 2014-01-23 | | | 0.00 | | | | |
| 2014-01-24 | | | 0.00 | | | | |
| 2014-01-25 | | | 0.01 | | | | |
| 2014-01-26 | | | 0.01 | | | | |
| 2014-01-27 | | | 0.00 | | | | |
| 2014-01-28 | | | 0.00 | | | | |
| 2014-01-29 | | | 0.00 | | | | |
| 2014-01-30 | | | 0.49 | | | | |
| 2014-01-31 | | | 0.03 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Minimum** | 299.0 | 7.03 | 0.0 | 689.0 | 9.0 | 0.0 | 0.399 |
| **Maximum** | 1095.0 | 7.36 | 0.61 | 689.0 | 9.0 | 0.0 | 0.399 |
| **Average** | 602 | | 0.08581 | 689 | 9 | 0 | 0.399 |
| **Count** | 3 | 3 | 31 | 1 | 1 | 1 | 1 |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2014-02-14 09:02 |

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**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

| | | | |
|---|---|---|---|
| SUBMISSION ID: | 388703 | STATUS: | Original |
| FACILITY: | American Energy Corp - Century Mine | PERMIT NUMBER: | *0GM00142*BG* |
| **LOCATION:** | 43521 Mayhugh Hill Rd Twp Hwy 88 | STATION CODE: | 002 |
| | Beallsville, OH 43716 | **MONITORING PERIOD :** | 2014-01-01 To: 2014-01-31 |
| COUNTY: | Belmont | REPORTING LAB: | TraDet |
| DISTRICT: | SEDO | ANALYST: | Kevin Galloway |
| | | **NO DISCHARGE INDICATOR:** | |

| **PARAMETER** | Manganese, Total | | | | | | |
|---|---|---|---|---|---|---|---|
| **PARAMETER CODE** | 74013 | | | | | | |
| **UNITS** | mg/l | | | | | | |
| **FREQUENCY** | 1/Month | | | | | | |
| **SAMPLING TYPE** | Grab | | | | | | |
| 2014-01-01 | | | | | | | |
| 2014-01-02 | 0.442 | | | | | | |
| 2014-01-03 | | | | | | | |
| 2014-01-04 | | | | | | | |
| 2014-01-05 | | | | | | | |
| 2014-01-06 | | | | | | | |
| 2014-01-07 | | | | | | | |
| 2014-01-08 | | | | | | | |
| 2014-01-09 | | | | | | | |
| 2014-01-10 | | | | | | | |
| 2014-01-11 | | | | | | | |
| 2014-01-12 | | | | | | | |
| 2014-01-13 | | | | | | | |
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| 2014-01-15 | | | | | | | |
| 2014-01-16 | | | | | | | |
| 2014-01-17 | | | | | | | |
| 2014-01-18 | | | | | | | |
| 2014-01-19 | | | | | | | |
| 2014-01-20 | | | | | | | |
| 2014-01-21 | | | | | | | |
| 2014-01-22 | | | | | | | |
| 2014-01-23 | | | | | | | |
| 2014-01-24 | | | | | | | |
| 2014-01-25 | | | | | | | |
| 2014-01-26 | | | | | | | |
| 2014-01-27 | | | | | | | |
| 2014-01-28 | | | | | | | |
| 2014-01-29 | | | | | | | |
| 2014-01-30 | | | | | | | |
| 2014-01-31 | | | | | | | |
| **Minimum** | 0.442 | | | | | | |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Maximum** | 0.442 | | | | | | |
| **Average** | 0.442 | | | | | | |
| **Count** | 1 | | | | | | |

| Name of Responsible Official or Authorized Representative | I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. | Signature of Responsible Official or Authorized Representative | Submission Date/Time |
|---|---|---|---|
| Michael Kelley | | | 2014-02-14 09:02 |