

| Terra Energy Partners<br>PA 332-33-695    | COGCC<br>Table 910-1<br>Threshold | Sample Locations |               |              |               |              |                  |  |
|-------------------------------------------|-----------------------------------|------------------|---------------|--------------|---------------|--------------|------------------|--|
|                                           |                                   | 5/19/2020        |               |              |               |              | 8/7/2019         |  |
|                                           |                                   | 20051554         |               |              |               |              | 19080633         |  |
|                                           |                                   | Exc.<br>Bottom   | North<br>Wall | East<br>Wall | South<br>Wall | West<br>Wall | MV 13-33<br>BKGD |  |
| DRO                                       | 500                               | 5.3              | 6.2           | 6.2          | 7.2           | 18           | -                |  |
| GRO                                       |                                   | ND               | ND            | ND           | ND            | 40           | -                |  |
| BENZENE                                   | 0.17                              | ND               | ND            | ND           | ND            | ND           | -                |  |
| TOLUENE                                   | 85                                | ND               | ND            | ND           | 0.10          | 0.31         | -                |  |
| ETHYLBENZENE                              | 100                               | ND               | ND            | ND           | ND            | 0.08         | -                |  |
| XYLENE TOTAL                              | 175                               | ND               | 0.055         | ND           | 0.13          | 1.4          | -                |  |
| ACENAPHTHENE                              | 1,000                             | ND               | ND            | ND           | ND            | ND           | -                |  |
| ANTHRACENE                                | 1,000                             | ND               | ND            | ND           | ND            | ND           | -                |  |
| BENZO(A)ANTHRACENE                        | 0.22                              | ND               | ND            | ND           | ND            | ND           | -                |  |
| BENZO(A)PYRENE                            | 0.022                             | ND               | ND            | ND           | ND            | ND           | -                |  |
| BENZO(B)FLUORANTHENE                      | 0.22                              | ND               | ND            | ND           | ND            | ND           | -                |  |
| BENZO(K)FLUORANTHENE                      | 2.2                               | ND               | ND            | ND           | ND            | ND           | -                |  |
| CHRYSENE                                  | 22                                | ND               | ND            | ND           | ND            | ND           | -                |  |
| DIBENZO(A,H)ANTHRACENE                    | 0.022                             | ND               | ND            | ND           | ND            | ND           | -                |  |
| FLUORANTHENE                              | 1,000                             | ND               | ND            | ND           | ND            | ND           | -                |  |
| FLUORENE                                  | 1,000                             | ND               | ND            | ND           | 0.002         | 0.0026       | -                |  |
| INDENO(1,2,3-CD)PYRENE                    | 0.22                              | ND               | ND            | ND           | ND            | ND           | -                |  |
| NAPHTHALENE                               | 23                                | ND               | ND            | ND           | ND            | 0.038        | -                |  |
| PYRENE                                    | 1,000                             | ND               | ND            | ND           | ND            | ND           | -                |  |
| ARSENIC                                   | 0.39                              | 9.5              | 11            | 13           | 14            | 8.8          | 7.3              |  |
| BARIIUM                                   | 15,000                            | 200              | 240           | 350          | 330           | 240          | -                |  |
| CADMIUM                                   | 70                                | 0.39             | 0.37          | 0.37         | 0.32          | 0.31         | -                |  |
| CHROMIUM                                  | -                                 | 10               | 11            | 10           | 17            | 11           | -                |  |
| CHROMIUM (III)                            | 120,000                           | 10               | 11            | 10           | 17            | 11.0         | -                |  |
| CHROMIUM (IV)                             | 23                                | ND               | ND            | ND           | ND            | ND           | -                |  |
| COPPER                                    | 3,100                             | 13               | 14            | 12           | 18            | 12           | -                |  |
| LEAD                                      | 400                               | 11               | 12            | 11           | 17            | 10.0         | -                |  |
| MERCURY                                   | 23                                | 0.095            | 0.17          | 0.14         | 0.15          | 0.097        | -                |  |
| NICKEL                                    | 1,600                             | 13               | 15            | 11           | 11            | 14           | -                |  |
| SELENIUM                                  | 390                               | ND               | ND            | ND           | ND            | ND           | -                |  |
| SILVER                                    | 390                               | ND               | 0.077         | ND           | 0.089         | ND           | -                |  |
| ZINC                                      | 23,000                            | 46               | 45            | 35           | 41            | 41           | -                |  |
| ELECTRICAL CONDUCTIVITY<br>(EC) (mmho/cm) | <4 mmhos/cm<br>or<br>x2 bkgd      | 3.3              | 4.4           | 4.5          | 5.0           | 4.1          | 0.85             |  |
| pH                                        | 6 to 9                            | 8.29             | 7.94          | 7.95         | 7.81          | 7.86         | 8.95             |  |
| SODIUM ADSORPTION RATIO<br>(SAR)          | 12                                | 0.89             | 0.68          | 0.38         | 0.71          | 0.62         | 0.30             |  |

All results are reported in mg/kg, unless otherwise noted

Exceedances are highlighted in yellow