

Table 1F
Mass of Chemicals Placed in CAMU Unit 2
HWD-2 Landfill and Refuse Area Post-Closure Groundwater Monitoring - First Quarter 2017
U.S. Steel - Gary Works
Gary, Indiana

| Parameter | Location ID | EE-MW-18S | EE-MW-29S | EE-MW-30S | EE-MW-31S | EE-MW-31S | HWD-2-12S | HWD-2-20D | Median Concentration mg/L | Mass of Chemicals in HWD-2 Purge Water Placed in CAMU Unit 2 (Based on Median Concentration) | | |
|----------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------------------|---|-----------|----------|
| | Sample Type | Regular | Regular | Regular | Regular | Duplicate | Regular | Regular | | | | |
| | Sample Date | 3/16/2017 | 3/20/2017 | 3/20/2017 | 3/20/2017 | 3/20/2017 | 3/17/2017 | 3/20/2017 | | | | |
| | Units | | | | | | | | | Milligrams | Kilograms | Pounds |
| Dissolved Metals | | | | | | | | | | | | |
| Barium, dissolved | mg/l | | 0.08 | | | | | | 0.08 | 15.34 | 1.53E-05 | 3.38E-05 |
| Calcium, dissolved | mg/l | | | | | | 150 | | 150 | 28765.50 | 2.88E-02 | 6.33E-02 |
| Lithium, dissolved | mg/l | | | 0.11 | 0.17 | 0.17 | 0.11 | | 0.14 | 26.85 | 2.68E-05 | 5.91E-05 |
| Potassium, dissolved | mg/l | | | 34 | | | | 110 | 72 | 13807.44 | 1.38E-02 | 3.04E-02 |
| Silicon, dissolved | mg/l | | | 6.5 | | | | | 6.5 | 1246.51 | 1.25E-03 | 2.74E-03 |
| Sodium, dissolved | mg/l | 29 | 82 | 45 | 100 | 98 | 14 | | 63.5 | 12177.40 | 1.22E-02 | 2.68E-02 |
| General Chemistry | | | | | | | | | | | | |
| Ammonia as N | mg/l | | | | 5.1 | 5.0 | | | 5.05 | 968.44 | 9.68E-04 | 2.13E-03 |
| Chloride | mg/l | 180 | | | | | | | 180 | 34518.60 | 3.45E-02 | 7.59E-02 |
| Fluoride, Dissolved | mg/l | | 2.6 | | | | | 0.5 | 1.55 | 297.24 | 2.97E-04 | 6.54E-04 |
| Nitrate as N | mg/l | | 41 | | | | | | 41 | 7862.57 | 7.86E-03 | 1.73E-02 |
| Sulfate | mg/l | 310 | 190 | | | | 310 | | 310 | 59448.70 | 5.94E-02 | 1.31E-01 |

Notes:

mg/l = milligrams per liter

N = Regular sample

FD = Field duplicate sample

Bold font indicates positive detection

Italics and shading indicate a non-detect result; one-half the reporting limit was used for non-detect results

Blank cell indicates that analysis for the parameter was not required.

Samples collected from March 16 to March 20, 2017.

Per TRI Reporting guidance, the median value is used when a range of data values is present.

Volume of purge water place in CAMU = 50.6 gallons

Volume of purge water placed in CAMU (liters): (50.6 gal)(3.79 liter/gal) = 191.77 liters

Mass of individual chemicals placed in CAMU = (concentration)(volume of purge water)