

October 6, 2022



Environmental Programs Coordinator
Appleton Wastewater Treatment Facility
2006 East Newberry Street
Appleton, Wisconsin 54915-2758

Attn: Mr. Brian Kreski (electronic)
Phone: (920) 832-2353
Mobile: (920) 419-0649
Fax: (920) 832-5949

Re: **2022 Third Quarter Compliance Monitoring Report, Industrial User (Wastewater Discharge) Permit #21-24**
N.W. Mauthe Superfund Site
725 South Outagamie Street
Appleton, Wisconsin
Terracon Project No. 58117057
BRRTS No. 02-45-000127

Dear Mr. Kreski:

Terracon Consultants, Inc. (Terracon) is pleased to submit this quarterly process compliance report for the N.W. Mauthe Superfund site, 725 South Outagamie Street, Appleton, Wisconsin. This report is submitted in conformance with the City of Appleton Industrial User No. 21-24, issued on May 31, 2021, which will expire on May 31, 2024. This report covers the period of July 1, 2022, through September 30, 2022, which included monthly effluent compliance monitoring sampling. The monthly results are summarized in the attached Table 1.

The flow monitoring and sampling activities were conducted monthly at the effluent discharge point, prior to Outfall 001. During this reporting period, local limit compliance monitoring samples were collected by the City of Appleton on August 5, 2022; however, Terracon has not yet received the results. Terracon did not collect local limit compliance monitoring samples during this reporting period. Historical results are presented in the attached Table 2.

As noted in the 2012 Fourth Quarter Process Compliance Report the system was replumbed in October 2012. Consequently, a greater volume of water is retained within the equalization tank and sampling occurs directly from the port on the equalization tank discharge pipe. Due to the improvement in the system plumbing, Terracon has collected the composite effluent sample directly from the tank effluent piping during the 2020 sampling events.



Terracon Consultants, Inc. 9856 South 57th Street Franklin, Wisconsin 53132
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2022 Third Quarter Compliance Monitoring Report

N.W. Mauthe Superfund Site ■ Appleton, Wisconsin

October 6, 2022 ■ Terracon Project No. 58117057



Approximately 250 milliliters (mL) of the collected sample was transferred to a new, clean 250-mL plastic bottle provided by the laboratory. This unfiltered and unpreserved sample was submitted to Pace Analytical (Pace) laboratory (Green Bay, Wisconsin) for analysis of hexavalent chromium. An additional aliquot of the original sample was transferred to a clean, new 250-mL plastic bottle with nitric acid preservative provided by the laboratory. This unfiltered, preserved sample was submitted to Pace for analysis of total chromium. The laboratory analytic test reports and chain-of-custody record for each of the three monthly sampling rounds (July, August, and September 2022) are attached. After the laboratory samples were prepared, the pH of the remaining collected discharge sample was measured with an Oakton pHTestrs.

The attached table summarizes the total metered discharge readings, pH measurements, and laboratory test results. Monthly discharge totals were calculated by linear interpolation of the actual meter readings. Total discharge during the reporting period was 141,982 gallons with a mean daily flow of approximately 1,543 gallons per day. Based on the laboratory results, there were no exceedances during this reporting period from Outfall 001.

Dave Hassman performed the sample collection and monitoring during this reporting period. The following certification statement is required by Section 2 0-106, Chapter 20, Utilities:

“I (Scott Hodgson) certify under penalty of law that this document and all attachments were prepared under my direction or supervision in conformance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

2022 Third Quarter Compliance Monitoring Report

N.W. Mauthe Superfund Site ■ Appleton, Wisconsin

October 6, 2022 ■ Terracon Project No. 58117057



Please call (920-791-9206) or email (sahodgson@terracon.com) if you have any questions or comments regarding the information provided or need additional information.

Sincerely,

Terracon

Scott A. Hodgson, P.G.

Senior Project Manager

KLK/SAH:klk/N:\Projects\2011\58117057\Working Files\Pre-Treatment Permit\Process Compliance reports\Terracon 2022\Third Quarter\Third Quarter 2022 Process Compliance.doc

Attachments: Table 1
Table 2
Laboratory Analytic Test Reports

Copies to: Gwen Saliars, WDNR-Oshkosh (Electronic)
File

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | Manhole #1 | | | Manhole #2 | | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|------|--|-------------------------------------|------|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| 09/25/07 | | 8,290,363 | | | | | | | | | | | |
| | 10/01/07 | 8,300,685 | | | | | | | | | | | |
| 10/01/07 | | 8,301,251 | 10,888 | | | | | | | | | | |
| 10/02/07 | | 8,301,251 | 0 | | 7.7 | | | | | | | | |
| 10/15/07 | | 8,324,675 | 23,424 | | | | | | | | | | |
| 10/16/07 | | 8,324,675 | 0 | | 7.4 | 1.700 | | | 6.93 | 3.9 | | 7.30 | 0.60 |
| 10/22/07 | | 8,355,957 | 31,282 | | | | | | | | | | |
| 10/23/07 | | 8,355,957 | 0 | | 7.5 | 1.500 | | | 7.04 | 3.75 | | NA | NA |
| 10/29/07 | | 8,370,413 | 14,456 | October | | | | | | | | | |
| 10/30/07 | | 8,370,413 | 0 | 71,891 | 7.4 | 1.900 | | | NA | NA | | NA | NA |
| | 11/01/07 | 8,372,575 | | | | | | | | | | | |
| 11/05/07 | | 8,377,912 | 7,499 | | | | | | | | | | |
| 11/06/07 | | 8,377,912 | 0 | November | 8.3 | 1.900 | 1.300 | | 7.8 | 4.30 | | 8.2 | 0.18 |
| 11/16/07 | | 8,386,583 | 8,671 | 21,587 | | | | | | | | | |
| | 12/01/07 | 8,394,162 | | | | | | | | | | | |
| 12/03/07 | | 8,395,372 | 8,789 | | | | | | | | | | |
| 12/04/07 | | 8,395,372 | 0 | | 8.6 | 3.100 | 2.500 | | 8.4 | 4.60 | | 8.6 | 0.16 |
| 12/12/07 | | 8,399,522 | 4,150 | December | | | | | | | | | |
| 12/21/07 | | 8,402,508 | 2,986 | 25,977 | | | | | | | | | |
| | 01/01/08 | 8,420,139 | | | | | | | | | | | |
| 01/01/08 | | 8,420,868 | 18,360 | | | | | | | | | | |
| 01/02/08 | | 8,420,868 | 0 | | 8.7 | 1.300 | 1.200 | | 8.4 | 4.50 | | 8.7 | 0.62 |
| 01/02/08 | | 8,421,628 | 760 | | | | | | | | | | |
| 01/10/08 | | 8,459,333 | 37,705 | | | | | | | | | | |
| 01/15/08 | | 8,479,244 | 19,911 | January | | | | | | | | | |
| 01/25/08 | | 8,497,063 | 17,819 | 84,612 | | | | | | | | | |
| | 02/01/08 | 8,504,750 | | | | | | | | | | | |
| 02/01/08 | | 8,505,562 | 8,499 | | | | | | | | | | |
| 02/03/08 | | 8,507,408 | 1,846 | February | | | | | | | | | |
| 02/04/08 | | 8,507,408 | 0 | 22,861 | 8.9 | 1.700 | 1.600 | | 8.7 | 2.60 | | 8.8 | 0.70 |
| | 03/01/08 | 8,527,611 | | | | | | | | | | | |
| 03/02/08 | | 8,528,931 | 21,523 | March | 9.0 | 2.9 | 2.500 | | 8.7 | 3.60 | | 8.8 | 2.50 |
| 03/31/08 | | 8,653,211 | 124,280 | 128,713 | | | | | | | | | |
| | 04/01/08 | 8,656,324 | | | | | | | | | | | |
| 04/01/08 | | 8,657,629 | 4,418 | | 9.0 | 1.6 | 1.530 | | 8.7 | 1.60 | | 8.9 | 1.45 |
| 04/01/08 | | 8,661,298 | 3,669 | | | | | | | | | | |
| 04/04/08 | | 8,682,788 | 21,490 | | | | | | | | | | |
| 04/07/08 | | 8,697,084 | 14,296 | | | | | | | | | | |
| 04/08/08 | | 8,697,084 | 0 | | 9.1 | 0.063 | | | 8.7 | 1.40 | | 8.9 | 0.54 |
| 04/14/08 | | 8,790,128 | 93,044 | | | | | | | | | | |
| 04/15/08 | | 8,790,128 | 0 | | 9.1 | 0.36 | | | 8.7 | 0.90 | | 8.8 | 0.17 |
| 04/15/08 | | 8,797,710 | 7,582 | | | | | Installed | | | Installed | | |
| 04/16/08 | | 8,804,525 | 6,815 | | | | | 1,074 | | | 2,804 | | |
| 04/16/08 | | 8,806,972 | 2,447 | | | | | 1,589 | | | 3,661 | | |
| 04/21/08 | | 8,826,834 | 19,862 | | | | | 5,176 | | | 11,176 | | |
| 04/22/08 | | 8,826,834 | 0 | | 9.1 | 0.87 | | 5,649 | 8.8 | 0.95 | 12,292 | 8.9 | 0.55 |
| 04/28/08 | | 8,860,276 | 33,442 | April | | | | 13,291 | | | 36,802 | | |
| 04/29/08 | | 8,860,276 | 0 | 212,193 | 9.1 | 0.51 | | 14,721 | 8.8 | 0.96 | 40,534 | 9.1 | 0.43 |
| | 05/01/08 | 8,868,517 | | | | | | | | | | | |
| 05/05/08 | | 8,890,994 | 30,718 | | | | | 22,372 | | | 59,203 | | |
| 05/06/08 | | 8,890,994 | 0 | | 9.1 | 0.95 | 0.679 | 22,844 | 8.7 | 1.14 | 60,259 | 8.8 | 0.62 |
| 05/12/08 | | 8,907,573 | 16,579 | | | | | 28,018 | | | 70,853 | | |
| 05/13/08 | | 8,907,573 | 0 | | 9.2 | 0.69 | | 28,487 | 8.8 | 1.00 | 71,555 | 9.0 | 0.34 |
| 05/19/08 | | 8,920,045 | 12,472 | | | | | 32,756 | | | 79,328 | | |
| 05/20/08 | | 8,920,045 | 0 | | 9.1 | 0.74 | | 33,225 | 8.8 | 0.96 | 80,376 | 8.9 | 0.27 |
| 05/26/08 | | 8,929,582 | 9,537 | May | | | | 36,557 | | | 85,277 | | |
| 05/27/08 | | 8,929,582 | 0 | 66,866 | 9.0 | 0.60 | | 37,025 | 8.9 | 1.04 | 85,979 | 8.9 | 0.16 |
| | 06/01/08 | 8,935,384 | | | | | | | | | | | |
| 06/02/08 | | 8,936,965 | 7,383 | | | | | 39,411 | | | 90,202 | | |
| 06/03/08 | | 8,936,965 | 0 | | 9.3 | 0.90 | 0.824 | 39,876 | 9.0 | 1.06 | 90,901 | 9.0 | 0.54 |
| 06/09/08 | | 8,951,078 | 14,113 | | | | | 43,187 | | | 101,102 | | |
| 06/10/08 | | 8,951,078 | 0 | | 9.2 | 0.85 | | 44,118 | 9.0 | 1.53 | 106,505 | 9.0 | 0.38 |
| 06/11/08 | | 8,960,258 | 9,180 | | | | | 45,176 | | | 112,396 | | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | Manhole #1 | | | Manhole #2 | | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| 06/16/08 | | 8,999,813 | 39,555 | | | | | 52,865 | | | 140,673 | | |
| 06/16/08 | | 8,999,813 | 0 | | | | | 52,865 | | | 141,398 | | |
| 06/17/08 | | 8,999,813 | 0 | | 9.2 | 1.4 | | 53,808 | 9.1 | 3.40 | 143,560 | 9.1 | 0.33 |
| 06/18/08 | | 9,007,718 | 7,905 | | | | | 54,790 | | | 146,825 | | |
| 06/23/08 | | 9,016,923 | 9,205 | | | | | 57,605 | | | 153,557 | | |
| 06/24/08 | | 9,016,923 | 0 | | 9.3 | 0.20 | | 58,074 | 9.1 | 2.50 | 154,613 | 9.0 | 0.14 |
| 06/30/08 | | 9,026,850 | 9,927 | June | | | | 61,392 | | | 160,227 | | |
| 06/30/08 | | 9,026,850 | 0 | 91,466 | | | | 61,392 | | | 160,573 | | |
| | 07/01/08 | 9,026,850 | | | | | | | | | | | |
| 07/01/08 | | 9,026,850 | 0 | | 9.3 | 1.4 | 1,290 | 61,861 | 9.0 | 2.45 | 161,266 | 9.1 | 0.58 |
| 07/07/08 | | 9,035,952 | 9,102 | | | | | 64,701 | | | 166,481 | | |
| 07/08/08 | | 9,035,952 | 0 | | 9.4 | 1.2 | | 65,168 | 9.1 | 1.90 | 167,518 | 9.2 | 1.05 |
| 07/10/08 | | 9,041,071 | 5,119 | | | | | 66,138 | | | 170,315 | | |
| 07/14/08 | | 9,054,932 | 13,861 | | | | | 68,973 | | | 182,057 | | |
| 07/15/08 | | 9,054,932 | 0 | | 9.4 | 0.82 | | 69,444 | 9.0 | 1.80 | 184,517 | 9.2 | 0.54 |
| 07/21/08 | | 9,083,663 | 28,731 | | | | | 74,198 | | | 206,929 | | |
| 07/22/08 | | 9,083,663 | 0 | | 9.4 | 0.74 | | 75,898 | 9.2 | 2.52 | 211,453 | 9.2 | 0.31 |
| 07/25/08 | | 9,114,297 | 30,634 | | | | | 81,242 | | | 230,374 | | |
| 07/28/08 | | 9,121,075 | 6,778 | | | | | 83,136 | | | 235,668 | | |
| 07/29/08 | | 9,121,075 | 0 | | 7.4 | 0.70 | | 83,609 | 7.2 | 3.30 | 237,073 | 7.2 | 0.30 |
| 07/29/08 | | 9,123,409 | 2,334 | July | | | | 83,646 | | | 237,455 | | |
| | 08/01/08 | 9,127,730 | | 100,880 | | | | | | | | | |
| 08/04/08 | | 9,137,140 | 13,731 | | | | | 87,426 | | | 248,221 | | |
| 08/05/08 | | 9,137,140 | 0 | | 7.6 | 1.30 | 1,260 | 87,426 | 7.2 | 2.72 | 250,342 | 7.2 | 0.41 |
| 08/05/08 | | 9,141,581 | 4,441 | | | | | 87,938 | | | 252,120 | | |
| 08/09/08 | | 9,151,886 | 10,305 | | | | | 90,785 | | | 260,213 | | |
| 08/11/08 | | 9,154,723 | 2,837 | | | | | 91,732 | | | 262,298 | | |
| 08/12/08 | | 9,154,723 | 0 | | 7.5 | 1.2 | | 92,206 | 7.2 | 2.45 | 263,337 | 7.3 | 0.25 |
| 08/13/08 | | 9,157,388 | 2,665 | | | | | 92,710 | | | 264,058 | | |
| 08/18/08 | | 9,162,704 | 5,316 | | | | | 94,604 | | | 267,897 | | |
| 08/19/08 | | 9,162,704 | 0 | | 7.5 | 0.98 | | 95,077 | 7.2 | 2.08 | 268,595 | 7.2 | 0.20 |
| 08/19/08 | | 9,163,932 | 1,228 | | | | | 95,106 | | | 268,623 | | |
| 08/21/08 | | 9,166,109 | 2,177 | | | | | 96,049 | | | 270,020 | | |
| 08/24/08 | | 9,168,274 | 2,165 | | | | | 96,993 | | | 271,417 | | |
| 08/26/08 | | 9,168,274 | 0 | August | 7.5 | 1.1 | | 97,465 | 7.1 | 2.25 | 272,112 | 7.1 | 0.22 |
| | 09/01/08 | 9,173,323 | | 45,593 | | | | | | | | | |
| 09/01/08 | | 9,173,586 | 5,312 | | | | | 99,390 | | | 274,587 | | |
| 09/02/08 | | 9,173,586 | 0 | | 7.6 | 1.4 | 1,290 | 99,863 | 7.3 | 2.50 | 274,936 | 7.3 | 0.21 |
| 09/02/08 | | 9,174,445 | 859 | | | | | 99,894 | | | 274,962 | | |
| 09/06/08 | | 9,176,960 | 2,515 | | | | | 100,837 | | | 276,718 | | |
| 09/08/08 | | 9,176,960 | 0 | | 7.5 | 1.3 | | 101,310 | 7.2 | 2.25 | 277,071 | 7.3 | 0.16 |
| 09/15/08 | | 9,182,218 | 5,258 | | | | | 103,257 | | | 279,911 | | |
| 09/16/08 | | 9,182,218 | 0 | | 7.6 | 1.3 | | 103,731 | 7.3 | 2.60 | 280,611 | 7.6 | 0.37 |
| 09/18/08 | | 9,185,245 | 3,027 | | | | | 104,715 | | | 281,689 | | |
| 09/22/08 | | 9,187,538 | 2,293 | | | | | 105,663 | | | 283,095 | | |
| 09/23/08 | | 9,187,538 | 0 | | 7.5 | 1.6 | | 106,137 | 7.3 | 3.05 | 283,475 | 7.5 | 0.17 |
| 09/28/08 | | 9,191,553 | 4,015 | | | | | 107,560 | | | 285,589 | | |
| 09/30/08 | | 9,191,553 | 0 | September | 7.6 | 1.8 | | 108,035 | 7.4 | 3.70 | 285,942 | 7.4 | 0.18 |
| | 10/01/08 | 9,192,867 | | 19,545 | | | | | | | | | |
| 10/05/08 | | 9,195,280 | 3,727 | | | | | 109,500 | | | 287,383 | | |
| 10/07/08 | | 9,195,280 | 0 | | 7.7 | 2.2 | 2,000 | 109,975 | 7.4 | 4.38 | 288,093 | 7.8 | 0.12 |
| 10/07/08 | | 9,196,521 | 1,241 | | | | | 110,012 | | | 288,124 | | |
| 10/10/08 | | 9,200,017 | 3,496 | | | | | 110,965 | | | 290,943 | | |
| 10/12/08 | | 9,200,017 | 0 | | | | | 111,919 | | | 291,644 | | |
| 10/14/08 | | 9,200,017 | 0 | | 7.8 | 1.9 | | 112,396 | 7.5 | 3.48 | 292,698 | 7.8 | 0.27 |
| 10/16/08 | | 9,204,404 | 4,387 | | | | | 112,906 | | | 293,436 | | |
| 10/18/08 | | 9,206,201 | 1,797 | | | | | 113,861 | | | 294,504 | | |
| 10/21/08 | | 9,206,201 | 0 | | 7.8 | | | 114,337 | 7.5 | 4.02 | 295,563 | 7.9 | 0.28 |
| 10/22/08 | | 9,208,980 | 2,779 | | | | | 114,848 | | | 296,250 | | |
| 10/26/08 | | 9,211,601 | 2,621 | | | | | 116,279 | | | 297,676 | | |

TABLE 1 Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | Manhole #1 | | | Manhole #2 | | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| 10/28/08 | | 9,211,601 | 0 | October | 7.9 | 2.0 | | 116,756 | 7.7 | 3.96 | 298,743 | 8.2 | 0.26 |
| | 11/01/08 | 9,214,938 | | 22,071 | | | | | | | | | |
| 11/01/08 | | 9,215,379 | 3,778 | | | | | 117,743 | | | 300,201 | | |
| 11/04/08 | | 9,215,379 | 0 | | 8.0 | 2.1 | 1.880 | 118,698 | 7.7 | 4.32 | 301,273 | 8.1 | 0.20 |
| 11/04/08 | | 9,217,467 | 2,088 | | | | | 118,732 | | | 301,305 | | |
| 11/07/08 | | 9,219,330 | 1,863 | | | | | 119,685 | | | 302,376 | | |
| 11/10/08 | | 9,220,422 | 1,092 | | | | | 120,162 | | | 303,090 | | |
| 11/20/08 | | 9,229,031 | 8,609 | | | | | 123,506 | | | 309,112 | | |
| 11/24/08 | | 9,231,935 | 2,904 | | | | | 124,939 | | | 310,833 | | |
| 11/24/08 | | 9,232,260 | 325 | | | | | 124,939 | | | 311,189 | | |
| 11/26/08 | | 9,233,464 | 1,204 | | | | | 125,702 | | | 311,660 | | |
| 11/28/08 | | 9,234,926 | 1,462 | November | | | | 126,192 | | | 312,744 | | |
| | 12/01/08 | 9,234,926 | | 19,988 | | | | | | | | | |
| 12/02/08 | | 9,234,926 | 0 | | 8.2 | 2.3 | 2.190 | 127,656 | 7.8 | 3.57 | 314,118 | 8.3 | 0.18 |
| 12/12/08 | | 9,242,670 | 7,744 | | | | | 130,122 | | | 316,912 | | |
| 12/17/08 | | 9,247,587 | 4,917 | December | | | | 131,563 | | | 320,808 | | |
| | 01/01/09 | 9,266,230 | | 31,304 | | | | | | | | | |
| 01/02/09 | | 9,268,140 | 20,553 | | | | | 136,435 | | | 338,229 | | |
| 01/06/09 | | 9,268,140 | 0 | | 7.8 | 2.5 | 2.430 | 137,894 | 7.7 | 4.48 | 341,351 | 7.8 | 1.05 |
| 01/12/09 | | 9,277,419 | 9,279 | January | | | | 139,384 | | | 344,897 | | |
| | 02/01/09 | 9,287,182 | | 20,952 | | | | | | | | | |
| 02/01/09 | | 9,287,326 | 9,907 | | | | | 143,256 | | | 351,798 | | |
| 02/03/09 | | 9,287,326 | 0 | | 7.8 | 3.3 | 2.900 | 143,738 | 7.9 | 4.69 | 352,143 | 8.2 | 0.34 |
| 02/05/09 | | 9,288,848 | 1,522 | February | | | | 143,772 | | | 352,912 | | |
| | 03/01/09 | 9,334,332 | | 47,151 | | | | | | | | | |
| 03/01/09 | | 9,335,249 | 46,401 | | | | | 153,077 | | | 393,568 | | |
| 03/03/09 | | 9,335,249 | 0 | | 7.6 | 2.4 | 1.970 | 153,561 | 7.9 | 4.24 | 394,973 | 8.2 | 0.87 |
| 03/11/09 | | 9,355,734 | 20,485 | | | | | 156,519 | | | 412,282 | | |
| 03/30/09 | | 9,463,572 | 107,838 | | | | | 182,357 | | | 500,471 | | |
| 03/31/09 | | 9,463,572 | 0 | March | | | | 183,323 | | | 501,935 | | |
| | 04/01/09 | 9,467,680 | | 133,348 | | | | | | | | | |
| 04/01/09 | | 9,469,538 | 5,966 | | | | | 184,290 | | | 504,856 | | |
| 04/03/09 | | 9,478,305 | 8,767 | | | | | 187,194 | | | 511,375 | | |
| 04/06/09 | | 9,485,542 | 7,237 | | | | | 189,607 | | | 516,807 | | |
| 04/07/09 | | 9,485,542 | 0 | | 7.7 | 0.84 | 0.730 | 190,569 | 7.9 | 1.14 | 518,251 | 8.1 | 0.52 |
| 04/13/09 | | 9,498,358 | 12,816 | | | | | 194,432 | | | 525,799 | | |
| 04/14/09 | | 9,498,358 | 0 | | 7.7 | 0.59 | | 194,908 | 8.0 | 1.20 | 525,799 | 8.2 | 0.27 |
| 04/20/09 | | 9,507,740 | 9,382 | | | | | 198,262 | | | 532,295 | | |
| 04/21/09 | | 9,507,740 | 0 | | 7.8 | 1.0 | | 198,262 | 8.0 | 0.96 | 533,364 | 8.3 | 1.74 |
| 04/27/09 | | 9,545,303 | 37,563 | | | | | 208,646 | | | 561,846 | | |
| 04/28/09 | | 9,545,303 | 0 | | 8.0 | 1.2 | | 210,663 | 7.7 | 1.89 | 566,157 | 7.5 | 0.28 |
| | 05/01/09 | 9,568,209 | | April | | | | | | | | | |
| 05/01/09 | | 9,574,025 | 28,722 | 100,528 | | | | 217,567 | | | 582,471 | | |
| 05/04/09 | | 9,582,624 | 8,599 | | | | | 220,929 | | | 588,270 | | |
| 05/05/09 | | 9,582,624 | 0 | | 7.6 | 0.76 | 0.724 | 221,884 | 8.0 | 1.29 | 589,714 | 8.0 | 0.33 |
| 05/11/09 | | 9,599,171 | 16,547 | | | | | 227,170 | | | 599,566 | | |
| 05/12/09 | | 9,599,171 | 0 | | 8.0 | 0.89 | | 228,124 | 7.6 | 0.84 | 600,996 | 7.9 | 0.24 |
| 05/18/09 | | 9,613,720 | 14,549 | | | | | 232,921 | | | 609,305 | | |
| 05/19/09 | | 9,613,720 | 0 | | 7.4 | 0.79 | | 233,874 | 7.0 | 0.84 | 610,378 | 7.2 | 0.38 |
| 05/19/09 | | 9,615,798 | 2,078 | | | | | 233,908 | | | 610,421 | | |
| 05/19/09 | | 9,616,122 | 324 | | | | | 233,908 | | | 610,775 | | |
| 05/25/09 | | 9,624,219 | 8,097 | | | | | 237,697 | | | 615,786 | | |
| 05/26/09 | | 9,624,219 | 0 | | 7.3 | 0.58 | | 238,168 | 7.1 | 1.08 | 616,149 | 7.0 | 0.16 |
| | 06/01/09 | 9,650,519 | | May | | | | | | | | | |
| 06/01/09 | | 9,652,323 | 28,104 | 82,310 | | | | 245,914 | | | 637,378 | | |
| 06/02/09 | | 9,652,323 | 0 | | 7.3 | 0.23 | 0.648 | 246,871 | 6.9 | 1.05 | 638,835 | 7.2 | 0.26 |
| 06/03/09 | | 9,658,104 | 5,781 | | | | | 248,350 | | | 641,072 | | |
| 06/15/09 | | 9,701,735 | 43,631 | | | | | 261,249 | | | 674,466 | | |
| | 07/01/09 | 9,727,520 | | June | | | | | | | | | |
| 07/01/09 | | 9,727,975 | 26,240 | 77,001 | | | | 272,082 | | | 691,914 | | |
| 07/05/09 | | 9,732,032 | 4,057 | | | | | 273,967 | | | 694,431 | | |
| 07/07/09 | | 9,732,032 | 0 | | 7.4 | 0.96 | 0.878 | 274,443 | 7.1 | 2.20 | 695,508 | 7.1 | 0.20 |
| 07/20/09 | | 9,742,289 | 10,257 | | | | | 278,743 | | | 700,527 | | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 08/01/09 | 9,748,231 | | July | | | | | | | | | |
| 08/03/09 | | 9,749,397 | 7,108 | 20,712 | | | | 282,543 | | | 704,414 | | |
| 08/04/09 | | 9,749,397 | 0 | | 7.5 | 1.9 | 1.680 | 283,019 | 7.1 | 2.80 | 704,768 | 7.3 | 0.14 |
| 08/08/09 | | 9,752,139 | 2,742 | | | | | 284,005 | | | 706,115 | | |
| 08/08/09 | | 9,753,763 | 1,624 | | | | | 284,480 | | | 707,282 | | |
| 08/09/09 | | 9,757,508 | 3,745 | | | | | 284,962 | | | 710,677 | | |
| 08/10/09 | | 9,761,572 | 4,064 | | | | | 285,930 | | | 714,131 | | |
| 08/10/09 | | 9,762,328 | 756 | | | | | 286,411 | | | 714,491 | | |
| 08/12/09 | | 9,765,851 | 3,523 | | | | | 287,368 | | | 717,355 | | |
| 08/13/09 | | 9,767,253 | 1,402 | | | | | 287,846 | | | 718,430 | | |
| 08/17/09 | | 9,771,256 | 4,003 | | | | | 289,758 | | | 720,916 | | |
| 08/30/09 | | 9,785,737 | 14,481 | | | | | 295,976 | | | 730,538 | | |
| | 09/01/09 | 9,787,043 | | August | | | | | | | | | |
| 09/01/09 | | 9,787,352 | 1,615 | 38,811 | 7.6 | 1.6 | 1.320 | 296,492 | 7.1 | 2.85 | 731,650 | 7.4 | 0.53 |
| 09/10/09 | | 9,794,060 | 6,708 | | | | | 299,850 | | | 735,572 | | |
| 09/21/09 | | 9,800,194 | 6,134 | | | | | 303,204 | | | 738,803 | | |
| 09/22/09 | | 9,800,194 | 0 | | | | | 303,684 | | | 739,163 | | |
| | 10/01/09 | 9,806,949 | | September | | | | | | | | | |
| 10/01/09 | | 9,807,491 | 7,297 | 19,906 | | | | 306,569 | | | 743,395 | | |
| 10/05/09 | | 9,811,856 | 4,365 | | | | | 308,500 | | | 746,224 | | |
| 10/06/09 | | 9,811,856 | 0 | | 6.9 | 1.8 | 1.700 | 308,983 | 6.8 | 2.48 | 746,576 | 7.1 | 0.55 |
| 10/15/09 | | 9,827,819 | 15,963 | | | | | 314,838 | | | 757,329 | | |
| 10/18/09 | | 9,830,464 | 2,645 | | | | | 316,288 | | | 758,757 | | |
| | 11/01/09 | 9,871,202 | | October | | | | | | | | | |
| 11/02/09 | | 9,875,106 | 44,642 | 64,253 | | | | 329,981 | | | 793,417 | | |
| 11/03/09 | | 9,875,106 | 0 | | 7.4 | 1.2 | 1.150 | 330,961 | 7.0 | 2.60 | 795,595 | 7.2 | 0.46 |
| 11/04/09 | | 9,880,551 | 5,445 | | | | | 331,974 | | | 797,084 | | |
| 11/05/09 | | 9,882,809 | 2,258 | | | | | 332,950 | | | 798,526 | | |
| 11/11/09 | | 9,891,712 | 8,903 | | | | | 337,309 | | | 803,889 | | |
| 11/12/09 | | 9,893,927 | 2,215 | | | | | 338,274 | | | 805,324 | | |
| 11/16/09 | | 9,896,880 | 2,953 | | | | | 339,720 | | | 807,132 | | |
| 11/17/09 | | 9,897,695 | 815 | | | | | 340,200 | | | 807,495 | | |
| 11/20/09 | | 9,899,892 | 2,197 | | | | | 341,164 | | | 808,946 | | |
| 11/30/09 | | 9,914,595 | 14,703 | | | | | 346,476 | | | 819,664 | | |
| | 12/01/09 | 9,914,595 | | November | | | | | | | | | |
| 12/01/09 | | 9,914,595 | 0 | 43,393 | 7.6 | 1.7 | 1.500 | 347,446 | 7.3 | 2.25 | 820,740 | 7.8 | 0.67 |
| 12/15/09 | | 9,931,024 | 16,429 | | | | | 354,237 | | | 829,781 | | |
| 12/18/09 | | 9,933,254 | 2,230 | | | | | 355,200 | | | 831,213 | | |
| | 01/01/10 | 9,956,004 | | December | | | | | | | | | |
| 01/03/10 | | 9,960,070 | 26,816 | 41,409 | | | | 362,443 | | | 853,235 | | |
| 01/05/10 | | 9,960,070 | 0 | | 6.9 | 2.3 | 2.220 | 362,924 | 7.2 | 5.36 | 855,045 | 7.2 | 0.68 |
| 01/14/10 | | 9,969,979 | 9,909 | | | | | 365,847 | | | 860,488 | | |
| 01/18/10 | | 9,972,503 | 2,524 | | | | | 366,807 | | | 862,304 | | |
| 01/31/10 | | 9,991,034 | 18,531 | | | | | 370,664 | | | 878,832 | | |
| | 02/01/10 | 9,991,034 | | January | | | | | | | | | |
| 02/02/10 | | 9,991,034 | 0 | 35,030 | 7.4 | 1.6 | 1.460 | 371,145 | 7.2 | 4.05 | 880,637 | 7.2 | 0.46 |
| 02/03/10 | | 9,994,392 | 3,358 | | | | | 371,664 | | | 881,364 | | |
| 02/16/10 | | 10,002,996 | 8,604 | | | | | 374,543 | | | 887,937 | | |
| 02/28/10 | | 10,009,542 | 6,546 | | | | | 376,928 | | | 892,655 | | |
| | 03/01/10 | 10,009,542 | | February | | | | | | | | | |
| 03/02/10 | | 10,009,542 | 0 | 18,508 | 7.6 | 1.6 | 1.340 | 376,928 | 7.4 | 2.70 | 893,732 | 7.4 | 1.41 |
| 03/06/10 | | 10,015,341 | 5,799 | | | | | 377,919 | | | 898,085 | | |
| 03/13/10 | | 10,048,616 | 33,275 | | | | | 383,764 | | | 927,938 | | |
| 03/17/10 | | 10,065,891 | 17,275 | | | | | 388,140 | | | 942,069 | | |
| 03/23/10 | | 10,077,601 | 11,710 | | | | | 392,478 | | | 950,481 | | |
| 03/31/10 | | 10,088,487 | 10,886 | | | | | 396,786 | | | 958,091 | | |
| | 04/01/10 | 10,088,725 | | March | | | | | | | | | |
| 04/01/10 | | 10,088,817 | 330 | 79,183 | | | | 396,786 | | | 958,456 | | |
| 04/04/10 | | 10,092,465 | 3,648 | | | | | 398,207 | | | 961,014 | | |
| 04/06/10 | | 10,092,465 | 0 | | 7.4 | 1.3 | 1.180 | 399,166 | 7.2 | 2.00 | 962,110 | 7.2 | 0.20 |
| 04/19/10 | | 10,151,166 | 58,701 | | | | | 416,846 | | | 1,005,028 | | |

TABLE 1

Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 05/01/10 | 10,189,439 | | April | | | | | | | | | |
| 05/03/10 | | 10,196,869 | 45,703 | 100,715 | | | | 432,284 | | | 1,038,553 | | |
| 05/04/10 | | 10,196,869 | 0 | | 7.3 | 0.98 | 0.902 | 433,730 | 7.1 | 1.12 | 1,040,370 | 7.2 | 0.37 |
| 05/17/10 | | 10,258,463 | 61,594 | | | | | 453,256 | | | 1,083,344 | | |
| 06/01/10 | | 10,294,510 | 36,047 | | | | | 466,168 | | | 1,109,480 | | |
| | 06/01/10 | 10,294,510 | | May | | | | | | | | | |
| 06/01/10 | | 10,294,510 | 0 | 105,071 | 7.6 | 0.85 | 0.762 | 467,117 | 7.2 | 1.44 | 1,110,569 | 7.3 | 0.28 |
| 06/21/10 | | 10,372,589 | 78,079 | | | | | 488,138 | | | 1,171,628 | | |
| 06/30/10 | | 10,400,340 | 27,751 | | | | | 495,720 | | | 1,193,925 | | |
| 06/30/10 | | 10,400,889 | 549 | | | | | 496,193 | | | 1,194,286 | | |
| | 07/01/10 | 10,401,954 | | June | | | | | | | | | |
| 07/01/10 | | 10,402,536 | 1,647 | 107,444 | | | | 496,664 | | | 1,195,375 | | |
| 07/05/10 | | 10,409,431 | 6,895 | | | | | 499,493 | | | 1,200,058 | | |
| 07/06/10 | | 10,409,431 | 0 | | 7.3 | 1.1 | 0.988 | 499,963 | 7.3 | 1.92 | 1,200,783 | 7.5 | 0.41 |
| 07/12/10 | | 10,426,614 | 17,183 | | | | | 504,247 | | | 1,213,873 | | |
| 07/21/10 | | 10,506,902 | 80,288 | | | | | 525,545 | | | 1,275,358 | | |
| 07/22/10 | | 10,515,567 | 8,665 | | | | | 527,488 | | | 1,282,668 | | |
| 07/23/10 | | 10,532,459 | 16,892 | | | | | 531,679 | | | 1,283,332 | | |
| | 08/01/10 | 10,586,662 | | July | | | | | | | | | |
| 08/02/10 | | 10,594,781 | 62,322 | 184,709 | | | | 549,129 | | | 1,283,332 | | |
| 08/03/10 | | 10,594,781 | 0 | | 7.8 | 0.54 | 0.515 | 549,601 | 7.4 | 1.20 | 1,283,332 | 7.5 | 0.20 |
| 08/04/10 | | 10,599,046 | 4,265 | | | | | 550,588 | | | 1,283,332 | | |
| 08/04/10 | | 10,599,046 | 0 | | | | | 550,588 | | | 1,283,358 | | |
| 08/04/10 | | 10,599,046 | 0 | | | | | 550,588 | | | 1,283,358 | | |
| 08/05/10 | | 10,600,937 | 1,891 | | | | | 551,531 | | | 1,284,413 | | |
| 08/06/10 | | 10,602,372 | 1,435 | | | | | 552,002 | | | 1,285,481 | | |
| 08/07/10 | | 10,604,242 | 1,870 | | | | | 552,943 | | | 1,286,560 | | |
| 08/12/10 | | 10,621,705 | 17,463 | | | | | 558,442 | | | 1,299,650 | | |
| 08/18/10 | | 10,644,322 | 22,617 | | | | | 565,095 | | | 1,317,296 | | |
| | 09/01/10 | 10,664,511 | | August | | | | | | | | | |
| 09/06/10 | | 10,672,363 | 28,041 | 77,849 | | | | 575,879 | | | 1,336,978 | | |
| 09/07/10 | | 10,672,363 | 0 | | 7.7 | 0.64 | 0.588 | 575,879 | 7.2 | 1.28 | 1,337,698 | 7.4 | 0.19 |
| 09/09/10 | | 10,675,017 | 2,654 | | | | | 576,846 | | | 1,338,823 | | |
| 09/09/10 | | 10,675,348 | 331 | | | | | 576,846 | | | 1,339,184 | | |
| 09/15/10 | | 10,681,923 | 6,575 | | | | | 579,656 | | | 1,343,454 | | |
| 09/20/10 | | 10,688,747 | 6,824 | | | | | 582,004 | | | 1,348,431 | | |
| 09/28/10 | | 10,712,898 | 24,151 | | | | | 588,142 | | | 1,368,075 | | |
| 09/28/10 | | 10,713,225 | 327 | | | | | 588,142 | | | 1,368,432 | | |
| | 10/01/10 | 10,717,803 | | September | | | | | | | | | |
| 10/01/10 | | 10,718,374 | 5,149 | 53,291 | | | | 590,497 | | | 1,371,651 | | |
| 10/03/10 | | 10,721,339 | 2,965 | | | | | 591,909 | | | 1,373,451 | | |
| 10/05/10 | | 10,721,339 | 0 | | 7.6 | 0.80 | 0.763 | 592,849 | 7.3 | 1.32 | 1,374,902 | 7.5 | 0.10 |
| 10/15/10 | | 10,733,086 | 11,747 | | | | | 597,097 | | | 1,380,767 | | |
| 10/17/10 | | 10,734,957 | 1,871 | | | | | 598,030 | | | 1,381,848 | | |
| 10/31/10 | | 10,760,102 | 25,145 | | | | | 605,549 | | | 1,401,547 | | |
| | 11/01/10 | 10,760,102 | | October | | | | | | | | | |
| 11/02/10 | | 10,760,102 | 0 | 42,299 | 7.8 | 0.65 | 0.639 | 606,486 | 7.6 | 1.44 | 1,403,369 | 7.9 | 0.20 |
| 11/11/10 | | 10,773,294 | 13,192 | | | | | 611,203 | | | 1,410,005 | | |
| 11/14/10 | | 10,775,484 | 2,190 | | | | | 612,137 | | | 1,411,471 | | |
| 11/17/10 | | 10,778,424 | 2,940 | | | | | 613,539 | | | 1,413,301 | | |
| 11/28/10 | | 10,790,717 | 12,293 | | | | | 618,231 | | | 1,422,421 | | |
| | 12/01/10 | 10,794,632 | | November | | | | | | | | | |
| 12/04/10 | | 10,800,013 | 9,296 | 34,530 | 7.6 | 1.0 | 0.989 | 622,006 | | | 1,428,648 | | |
| 12/07/10 | | 10,800,013 | 0 | | | | | 623,423 | 7.8 | 1.80 | 1,430,482 | 7.9 | 0.24 |
| 12/15/10 | | 10,811,058 | 11,045 | | | | | 627,228 | | | 1,435,313 | | |
| 12/20/10 | | 10,814,659 | 3,601 | | | | | 628,621 | | | 1,437,887 | | |
| 12/23/10 | | 10,816,825 | 2,166 | | | | | 629,558 | | | 1,439,358 | | |
| | 01/01/11 | 10,827,569 | | December | | | | | | | | | |
| 01/02/11 | | 10,829,348 | 12,523 | 32,938 | | | | 632,850 | | | 1,449,967 | | |
| 01/04/11 | | 10,829,348 | 0 | | 8.0 | 1.6 | 1.500 | 633,803 | 7.9 | 5.31 | 1,452,901 | 8.0 | 0.53 |
| 01/17/11 | | 10,845,438 | 16,090 | | | | | 638,076 | | | 1,462,175 | | |
| 01/28/11 | | 10,852,203 | 6,765 | | | | | 640,437 | | | 1,467,352 | | |
| 01/30/11 | | 10,853,317 | 1,114 | | | | | 640,910 | | | 1,468,093 | | |

TABLE 1

Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | <i>02/01/11</i> | <i>10,853,317</i> | | January | | | | | | | | | |
| 02/01/11 | | 10,853,317 | 0 | 25,748 | 7.9 | 2.1 | 2.100 | 641,382 | 7.7 | 4.90 | 1,468,834 | 7.6 | 0.18 |
| 02/02/11 | | 10,854,899 | 1,582 | | | | | 641,426 | | | 1,469,273 | | |
| 02/14/11 | | 10,859,963 | 5,064 | | | | | 643,318 | | | 1,472,988 | | |
| 02/21/11 | | 10,876,100 | 16,137 | | | | | 646,167 | | | 1,488,233 | | |
| 02/21/11 | | 10,876,705 | 605 | | | | | 646,167 | | | 1,488,978 | | |
| 02/24/11 | | 10,880,277 | 3,572 | | | | | 647,105 | | | 1,491,974 | | |
| 02/27/11 | | 10,883,601 | 3,324 | | | | | 648,128 | | | 1,494,713 | | |
| | <i>03/01/11</i> | <i>10,883,601</i> | | February | | | | | | | | | |
| 03/01/11 | | 10,883,601 | 0 | 30,284 | 7.8 | 1.8 | 1.530 | 648,594 | 7.7 | 4.95 | 1,496,572 | 7.8 | 0.52 |
| 03/21/11 | | 10,957,602 | 74,001 | | | | | 664,834 | | | 1,558,957 | | |
| | <i>04/01/11</i> | <i>11,023,291</i> | | March | | | | | | | | | |
| 04/04/11 | | 11,045,838 | 88,236 | 139,690 | | | | 687,442 | | | 1,632,177 | | |
| 04/05/11 | | 11,045,838 | 0 | | 8.0 | 0.40 | 0.380 | 688,903 | 7.8 | 1.10 | 1,637,351 | 7.7 | 0.21 |
| 04/16/11 | | 11,138,592 | 92,754 | | | | | 710,138 | | | 1,708,997 | | |
| 04/26/11 | | 11,216,566 | 77,974 | | | | | 731,830 | | | 1,771,918 | | |
| 04/29/11 | | 11,258,391 | 41,825 | | | | | 743,289 | | | 1,804,105 | | |
| 04/29/11 | | 11,262,451 | 4,060 | | | | | 744,757 | | | 1,807,043 | | |
| | <i>05/02/11</i> | <i>11,274,169</i> | | April | | | | | | | | | |
| 05/02/11 | | 11,277,586 | 15,135 | 250,878 | | | | 750,559 | | | 1,818,009 | | |
| 05/03/11 | | 11,277,586 | 0 | | 7.8 | 0.37 | 0.338 | 751,514 | 7.6 | 0.68 | 1,819,601 | 7.8 | 0.20 |
| 05/16/11 | | 11,310,055 | 32,469 | | | | | 763,336 | | | 1,841,085 | | |
| 05/17/11 | | 11,311,520 | 1,465 | | | | | 763,807 | | | 1,842,263 | | |
| | <i>06/01/11</i> | <i>11,344,383</i> | | May | | | | | | | | | |
| 06/02/11 | | 11,347,664 | 36,144 | 70,214 | | | | 778,512 | | | 1,868,238 | | |
| 06/06/11 | | 11,354,057 | 6,393 | | | | | 781,832 | | | 1,872,152 | | |
| 06/07/11 | | 11,354,057 | 0 | | 7.7 | 0.46 | 0.447 | 782,305 | 7.6 | 0.85 | 1,872,545 | 7.7 | 0.14 |
| 06/17/11 | | 11,368,867 | 14,810 | | | | | 788,961 | | | 1,881,915 | | |
| 06/20/11 | | 11,373,134 | 4,267 | | | | | 790,860 | | | 1,884,626 | | |
| | <i>07/01/11</i> | <i>11,419,112</i> | | June | | | | | | | | | |
| 07/04/11 | | 11,434,679 | 61,545 | 74,729 | | | | 811,146 | | | 1,932,424 | | |
| 07/05/11 | | 11,434,679 | 0 | | 7.9 | 0.78 | 0.752 | 811,621 | 7.6 | 1.50 | 1,933,199 | 7.5 | 0.19 |
| 07/18/11 | | 11,450,616 | 15,937 | | | | | 818,915 | | | 1,942,544 | | |
| 07/27/11 | | 11,470,412 | 19,796 | | | | | 825,753 | | | 1,958,375 | | |
| 07/28/11 | | 11,473,213 | 2,801 | | | | | 826,666 | | | 1,960,688 | | |
| | <i>08/01/11</i> | <i>11,483,192</i> | | July | | | | | | | | | |
| 08/01/11 | | 11,484,004 | 10,791 | 64,080 | | | | 830,795 | | | 1,968,801 | | |
| 08/02/11 | | 11,484,004 | 0 | | 7.9 | 0.86 | 0.800 | 831,711 | 7.5 | 1.26 | 1,970,342 | 7.5 | 0.42 |
| 08/04/11 | | 11,492,474 | 8,470 | | | | | 834,025 | | | 1,975,014 | | |
| 08/05/11 | | 11,493,370 | 896 | | | | | 834,506 | | | 1,975,820 | | |
| 08/15/11 | | 11,509,618 | 16,248 | | | | | 841,800 | | | 1,986,618 | | |
| 08/31/11 | | 11,524,004 | 14,386 | | | | | 849,495 | | | 1,994,794 | | |
| | <i>09/01/11</i> | <i>11,524,179</i> | | August | | | | | | | | | |
| 09/01/11 | | 11,524,431 | 427 | 40,987 | | | | 849,948 | | | 1,994,794 | | |
| 09/03/11 | | | | | | | | 850,953 | | | 1,997,262 | | |
| 09/05/11 | | 11,533,935 | 9,504 | | | | | 852,322 | | | 2,003,014 | | |
| 09/06/11 | | 11,533,935 | 0 | | 8.0 | 1.2 | 1.180 | 852,778 | 7.7 | 1.65 | 2,004,161 | 7.7 | 0.55 |
| 09/08/11 | | 11,538,054 | 4,119 | | | | | 854,174 | | | 2,005,726 | | |
| 09/19/11 | | 11,547,336 | 9,282 | | | | | 859,158 | | | 2,011,134 | | |
| 09/20/11 | | 11,548,416 | 1,080 | | | | | 859,611 | | | 2,011,902 | | |
| 09/28/11 | | 11,562,993 | 14,577 | | | | | 863,696 | | | 2,024,247 | | |
| | <i>10/01/11</i> | <i>11,568,104</i> | | September | | | | | | | | | |
| 10/03/11 | | 11,572,412 | 9,419 | 43,925 | | | | 867,344 | | | 2,031,123 | | |
| 10/04/11 | | 11,574,566 | 2,154 | | | | | 868,253 | | | 2,032,650 | | |
| 10/05/11 | | 11,574,566 | 0 | | | | | 868,707 | | | 2,033,029 | | |
| 10/06/11 | | 11,574,566 | 0 | | | | | 869,161 | | | 2,033,785 | | |
| 10/08/11 | | 11,579,097 | 4,531 | | | | | 870,519 | | | 2,036,082 | | |
| 10/10/11 | | 11,579,097 | 0 | | 7.5 | 1.2 | 1.090 | 870,972 | 7.4 | 2.15 | 2,036,082 | 7.5 | 0.22 |
| 10/26/11 | | 11,603,315 | 24,218 | | | | | 879,056 | | | 2,054,141 | | |
| 10/30/11 | | 11,606,358 | 3,043 | | | | | 880,416 | | | 2,055,759 | | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 11/01/11 | 11,607,509 | | October | | | Pounds Cr | | | | | | |
| 11/01/11 | | 11,608,102 | 1,744 | 39,405 | | | 0.358 | 881,323 | | | 2,055,759 | | |
| 11/02/11 | | 11,608,233 | 131 | | | | | 881,362 | | | 2,055,792 | | |
| 11/03/11 | | 11,608,233 | 0 | | 8.2 | 1.3 | 1.220 | 881,378 | 8.1 | 2.46 | 2,055,818 | 8.0 | 0.03 |
| 11/05/11 | | 11,611,395 | 3,162 | | | | | 882,340 | | | 2,059,467 | | |
| 11/06/11 | | 11,614,756 | 3,361 | | | | | 883,608 | | | 2,062,594 | | |
| 11/07/11 | | 11,616,924 | 2,168 | | | | | 883,718 | | | 2,063,343 | | |
| 11/08/11 | | 11,618,636 | 1,712 | | | | | 884,345 | | | 2,065,014 | | |
| 11/12/11 | | 11,651,616 | 32,980 | | | | | 890,384 | | | 2,094,235 | | |
| 11/15/11 | | 11,662,529 | 10,913 | | | | | 894,135 | | | 2,102,462 | | |
| 11/23/11 | | 11,677,899 | 15,370 | | | | | 900,936 | | | 2,112,833 | | |
| 11/29/11 | | 11,687,640 | 9,741 | | | | Pounds Cr | 905,028 | | | 2,119,690 | | |
| | 12/01/11 | 11,689,609 | | November | | | 0.834 | | | | | | |
| 12/01/11 | | 11,687,640 | 0 | 82,100 | 7.4 | 1.7 | 1.700 | 905,938 | 7.8 | 2.65 | 2,119,690 | 8.0 | 0.72 |
| 12/06/11 | | 11,706,691 | 19,051 | | | | | 910,893 | | | 2,134,888 | | |
| 12/15/11 | | 11,724,224 | 17,533 | | | | | 918,198 | | | 2,147,141 | | |
| 12/26/11 | | 11,737,368 | 13,144 | | | | | 924,102 | | | 2,155,863 | | |
| 12/31/11 | | 11,742,107 | 4,739 | | | | | 926,371 | | | 2,158,911 | | |
| | 01/01/12 | 11,742,204 | | December | | | Pounds Cr | | | | | | |
| 01/04/12 | | 11,744,667 | 2,560 | 52,595 | | | 0.745 | 927,731 | | | 2,158,911 | | |
| 01/05/12 | | 11,744,667 | 0 | | 6.9 | 0.98 | 0.862 | 928,184 | 7.5 | 1.84 | 2,161,198 | 7.3 | 0.27 |
| 01/19/12 | | 11,754,619 | 9,952 | | | | | 932,303 | | | 2,166,977 | | |
| 01/27/12 | | 11,758,987 | 4,368 | | | | | 934,572 | | | 2,169,652 | | |
| 01/31/12 | | 11,761,124 | 2,137 | | | | Pounds Cr | 935,480 | | | 2,171,180 | | |
| | 02/01/12 | 11,761,228 | | January | | | 0.137 | | | | | | |
| 02/02/12 | | 11,761,124 | 0 | 19,024 | 7.4 | 2.1 | 1.860 | 936,191 | 7.7 | 2.50 | 2,172,687 | 7.7 | 6.1 |
| 02/07/12 | | 11,763,586 | 2,358 | | | | | 938,043 | | 2.80 | 2,176,546 | | 1.71 |
| 02/22/12 | | 11,778,355 | 14,769 | | | | | 941,736 | | | 2,183,827 | | |
| 02/24/12 | | 11,780,157 | 16,571 | | | | | 942,642 | | | 2,184,964 | | |
| 02/28/12 | | 11,782,379 | 18,793 | | | | Pounds Cr | 943,547 | | | 2,186,478 | | |
| | 03/01/12 | 11,783,379 | | February | | | 0.329 | | | | | | |
| 03/01/12 | | 11,782,379 | 0 | 21,255 | 7.1 | 2.6 | 2.560 | 944,002 | 7.3 | 3.45 | 2,186,478 | 7.6 | 2.04 |
| 03/14/12 | | 11,824,851 | 41,472 | | | | | 956,400 | | | 2,221,364 | | |
| 03/21/12 | | 11,839,925 | 15,074 | | | | | 962,783 | | | 2,231,770 | | |
| 03/25/12 | | 11,848,965 | 9,040 | | | | | 965,591 | | | 2,239,149 | | |
| | 04/01/12 | 11,865,023 | | March | | | Pounds Cr | | | | | | |
| 04/03/12 | | 11,871,806 | 22,841 | 81,644 | | | 1.740 | 973,817 | | | 2,256,557 | | |
| 04/05/12 | | 11,871,806 | 6,783 | | 7.6 | 0.83 | 0.730 | 975,189 | 7.9 | 1.28 | 2,258,866 | 7.8 | 0.48 |
| 04/18/12 | | 11,896,899 | 25,093 | | | | | 984,322 | | | 2,273,887 | | |
| 04/21/12 | | 11,906,449 | 9,550 | | | | | 986,147 | | | 2,282,902 | | |
| | 05/01/12 | 11,923,538 | | April | | | Pounds Cr | | | | | | |
| 05/02/12 | | 11,930,935 | 24,486 | 58,515 | | | 0.356 | 996,194 | | | 2,300,258 | | |
| 05/03/12 | | 11,933,848 | 2,913 | | | | | 997,107 | | | 2,302,572 | | |
| 05/09/12 | | 11,989,964 | 56,116 | | | | | 1,010,822 | | | 2,349,979 | | |
| 05/14/12 | | 12,005,061 | 15,097 | | | | | 1,016,338 | | | 2,361,277 | | |
| 05/16/12 | | 12,005,061 | 0 | | 6.5 | 0.67 | 0.581 | 1,018,169 | 7.4 | 0.63 | 2,363,951 | 7.6 | 0.15 |
| 05/20/12 | | 12,016,709 | 11,648 | | | | | 1,021,100 | | | 2,368,989 | | |
| 05/22/12 | | 12,018,570 | 1,861 | | | | | 1,022,007 | | | 2,370,141 | | |
| 05/24/12 | | 12,021,249 | 2,679 | | | | | 1,023,245 | | | 2,372,066 | | |
| 05/31/12 | | 12,028,808 | 7,559 | | | | | 1,027,317 | | | 2,378,556 | | |
| | 06/01/12 | 12,029,342 | | May | | | Pounds Cr | | | | | | |
| 06/02/12 | | 12,030,994 | 2,186 | 105,804 | | | 0.512 | 1,027,317 | | | 2,378,556 | | |
| 06/05/12 | | 12,033,617 | 2,623 | | | | | 1,028,676 | | | 2,380,101 | | |
| 06/07/12 | | 12,033,617 | 0 | | 6.8 | 0.55 | 0.507 | 1,029,581 | 7.4 | 0.99 | 2,381,259 | 7.7 | 0.17 |
| 06/19/12 | | 12,046,851 | 13,234 | | | | | 1,034,134 | | | 2,389,253 | | |
| 06/29/12 | | 12,056,747 | 9,896 | | | | | 1,038,653 | | | 2,395,689 | | |
| | 07/01/12 | 12,057,998 | | June | | | Pounds Cr | | | | | | |
| 07/03/12 | | 12,059,332 | 1,334 | 28,656 | | | 0.121 | 1,040,009 | | | 2,397,210 | | |
| 07/05/12 | | 12,059,332 | 0 | | 6.1 | 0.98 | 0.906 | 1,040,913 | 6.2 | 1.24 | 2,397,969 | 6.6 | 0.19 |
| 07/10/12 | | 12,064,003 | 4,671 | | | | | 1,042,739 | | | 2,402,552 | | |
| 07/20/12 | | 12,069,263 | 5,260 | | | | | 1,045,446 | | | 2,402,552 | | |

TABLE 1 Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 08/01/12 | 12,078,083 | | July | | | Pounds Cr | | | | | | |
| 08/01/12 | | 12,078,359 | 9,096 | 20,085 | | | 0.152 | 1,049,510 | | | 2,408,561 | | |
| 08/02/12 | | 12,078,359 | 0 | | 6.2 | 1.20 | 1.120 | 1,049,969 | 6.2 | 1.72 | 2,408,954 | 6.0 | 0.56 |
| 08/07/12 | | 12,082,510 | 4,151 | | | | | 1,051,808 | | | 2,410,869 | | |
| 08/16/12 | | 12,098,108 | 15,598 | | | | | 1,056,800 | | | 2,423,447 | | |
| | 09/01/12 | 12,111,167 | | August | | | Pounds Cr | | | | | | |
| 09/01/12 | | 12,111,772 | 13,664 | 33,084 | | | 0.309 | 1,063,135 | | | 2,432,088 | | |
| 09/09/12 | | 12,116,611 | 4,839 | | | | | 1,065,875 | | | 2,434,745 | | |
| 09/11/12 | | 12,117,783 | 1,172 | | | 1.70 | 1.520 | 1,066,747 | 6.4 | 0.72 | 2,435,127 | 6.3 | 0.21 |
| 09/18/12 | | 12,121,226 | 3,443 | | | | | 1,068,577 | | | 2,437,061 | | |
| 09/26/12 | | 12,125,024 | 3,798 | | | | | 1,070,837 | | | 2,438,957 | | |
| | 10/01/12 | 12,126,164 | | September | | | Pounds Cr | | | | | | |
| 10/04/12 | | 12,127,304 | 2,280 | 14,997 | | | 0.190 | 1,072,193 | | | 2,440,091 | | |
| 10/04/12 | | 12,127,304 | 1,140 | | | 1.50 | 1.370 | 1,072,193 | 6.4 | 1.44 | 2,440,091 | 6.2 | 0.32 |
| 10/05/12 | | 12,129,085 | 1,781 | | | | | 1,073,276 | | | 2,440,999 | | |
| 10/09/12 | | 12,129,791 | 706 | | | | | 1,073,696 | | | 2,441,370 | | |
| 10/19/12 | | 12,163,907 | 34,116 | | | | | 1,081,043 | | | 2,471,345 | | |
| 10/30/12 | | 12,189,653 | 25,746 | | | | | 1,092,239 | | | 1,289,448 | | |
| | 11/01/12 | 12,191,094 | | October | | | Pounds Cr | | | | | | |
| 11/06/12 | | 12,196,769 | 7,116 | 64,930 | | | 0.741 | 1,096,343 | | | 2,493,654 | | |
| 11/09/12 | | 12,198,437 | 1,668 | | NA | 1.1 | 1.040 | 1,097,450 | NA | 1.34 | 2,494,750 | NA | 0.21 |
| 11/22/12 | | 12,212,741 | 14,304 | | | | | 1,103,179 | | | 2,504,679 | | |
| 11/30/12 | | 12,218,011 | 5,270 | | | | | 1,106,155 | | | 2,507,598 | | |
| | 12/01/12 | 12,218,663 | | November | | | Pounds Cr | | | | | | |
| 12/03/12 | | 12,219,752 | 1,089 | 27,569 | | | 0.239 | 1,107,006 | | | 2,508,689 | | |
| 12/10/12 | | 12,223,289 | 3,537 | | 8.0 | 1.00 | 1.100 | 1,109,121 | 7.7 | 1.60 | 2,510,506 | 8.0 | 0.27 |
| 12/26/12 | | 12,234,632 | 11,343 | | | | | 1,114,683 | | | 2,517,462 | | |
| 12/31/12 | | 12,239,248 | 4,616 | | | | | 1,117,237 | | | 2,520,012 | | |
| | 01/01/13 | 12,239,543 | | December | | | Pounds Cr | | | | | | |
| 01/01/13 | | 12,239,958 | 710 | 20,880 | | | 0.191 | 1,117,663 | | | 2,520,377 | | |
| 01/10/13 | | 12,246,590 | 6,632 | | | 1.90 | 1.720 | 1,120,640 | 7.7 | 1.68 | 2,524,770 | 8.0 | 1.32 |
| 01/24/13 | | 12,278,928 | 32,338 | | | | | 1,130,141 | | | 2,550,847 | | |
| 01/28/13 | | 12,282,035 | 3,107 | | | | | 1,131,414 | | | 2,553,042 | | |
| 01/31/13 | | 12,287,892 | 5,857 | | | | | 1,132,425 | | | 2,558,715 | | |
| | 02/01/13 | 12,288,247 | | January | | | Pounds Cr | | | | | | |
| 02/01/13 | | 12,289,018 | 1,126 | 48,644 | | | 0.697 | 1,132,680 | | | 2,559,456 | | |
| 02/07/13 | | 12,293,874 | 4,856 | | 7.9 | 0.82 | 0.663 | 1,134,376 | 7.6 | 1.35 | 2,563,137 | 8.0 | 0.22 |
| 02/20/13 | | 12,308,445 | 14,571 | | | | | 1,038,672 | | | 2,575,057 | | |
| 02/27/13 | | 12,313,181 | 19,307 | | | | | 1,140,359 | | | 2,578,725 | | |
| | 03/01/13 | 12,314,165 | | February | | | Pounds Cr | | | | | | |
| 03/03/13 | | 12,315,958 | 2,777 | 25,918 | | | 0.143 | 1,141,206 | | | 2,580,927 | | |
| 03/07/13 | | 12,318,024 | 2,066 | | 7.9 | 0.83 | 0.753 | 1,142,054 | 7.7 | 1.44 | 2,582,395 | 7.8 | 0.27 |
| 03/18/13 | | 12,361,201 | 43,177 | | | | | 1,151,536 | | | 2,619,703 | | |
| 03/20/13 | | 12,365,136 | 3,935 | | | | | 1,153,250 | | | 2,622,317 | | |
| 03/27/13 | | 12,378,442 | 13,306 | | | | | 1,159,233 | | | 2,630,884 | | |
| 03/31/13 | | 12,400,821 | 22,379 | | | | | 1,164,838 | | | 2,649,804 | | |
| | 04/01/13 | 12,403,728 | | March | | | Pounds Cr | | | | | | |
| 04/01/13 | | 12,407,465 | 3,737 | 89,563 | | | 0.562 | 1,165,570 | | | 2,655,346 | | |
| 04/11/13 | | 12,461,497 | 54,032 | | 7.4 | 0.42 | 0.431 | 1,180,148 | 7.0 | 0.60 | 2,700,747 | 7.4 | 0.14 |
| 04/17/13 | | 12,522,138 | 60,641 | | | | | 1,196,092 | | | 2,749,790 | | |
| | 05/01/13 | 12,570,545 | | April | | | Pounds Cr | | | | | | |
| 05/01/13 | | --- | --- | 166,817 | | | 0.599 | | | | | | |
| 05/01/13 | | 12,571,333 | 49,195 | | 8.1 | 0.56 | 0.553 | 1,215,096 | 7.3 | 0.38 | 2,785,968 | 7.8 | 0.09 |
| 05/19/13 | | 12,623,298 | 51,965 | | | | | 1,235,753 | | | 2,823,953 | | |
| | 06/01/13 | 12,647,282 | | May | | | Pounds Cr | | | | | | |
| | | | | 76,737 | | | 0.353 | | | | | | |
| 06/06/13 | | 12,657,605 | 34,307 | | 7.6 | 0.96 | 0.826 | 1,251,551 | 7.4 | 0.47 | 2,849,502 | 7.8 | 0.73 |
| 06/12/13 | | 12,669,485 | 11,880 | | | | | 1,256,351 | | | 2,857,966 | | |
| 06/17/13 | | 12,680,642 | 11,157 | | | | | 1,259,722 | | | 2,867,078 | | |
| | 07/01/13 | 12,727,950 | | June | | | Pounds Cr | | | | | | |
| | | | | 80,668 | | | 0.555 | | | | | | |
| 07/18/13 | | 12,767,116 | 86,474 | | 7.4 | 0.73 | 0.694 | 1,286,165 | 6.7 | 0.73 | 2,938,280 | 7.5 | 0.07 |
| 07/31/13 | | 12,780,876 | 13,760 | | | | | 1,293,015 | | | 2,947,351 | | |

TABLE 1

Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | Manhole #1 | | | Manhole #2 | | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 08/01/13 | 12,781,814 | | July 53,864 | | | Pounds Cr 0.311 | | | | | | |
| 08/04/13 | | 12,784,628 | 3,752 | | | | | 1,293,015 | | | 2,947,351 | | |
| 08/07/13 | | 12,786,184 | 1,556 | | | | | 1,295,588 | | | 2,951,110 | | |
| 08/08/13 | | 12,786,555 | 371 | | 7.5 | 0.83 | 0.775 | 1,296,442 | 6.8 | 0.68 | 2,951,801 | 7.2 | 0.16 |
| 08/19/13 | | 12,795,058 | 8,503 | | | | | 1,298,966 | | | 2,954,811 | | |
| 08/21/13 | | 12,795,638 | 580 | | | | | 1,300,287 | | | 2,956,243 | | |
| 08/26/13 | | 12,797,295 | 1,657 | | | | | 1,301,154 | | | 2,957,147 | | |
| 08/28/13 | | 12,800,434 | 3,139 | | | | | 1,302,541 | | | 2,958,987 | | |
| | 09/01/13 | 12,803,511 | | August 21,697 | | | Pounds Cr 0.140 | | | | | | |
| 09/01/13 | | 12,803,511 | 6,216 | | | | | 1,303,580 | | | 2,961,265 | | |
| 09/05/13 | | 12,808,096 | 4,585 | | | | | 1,305,282 | | | 2,964,435 | | |
| 09/09/13 | | 12,811,883 | 8,372 | | | | | 1,306,947 | | | 2,966,675 | | |
| 09/11/13 | | 12,815,166 | 7,070 | | | | | 1,309,139 | | | 2,968,968 | | |
| 09/14/13 | | 12,818,151 | 6,268 | | | | | 1,310,005 | | | 2,970,501 | | |
| 09/18/13 | | 12,822,283 | 7,117 | | 7.3 | 1.3 | 1.170 | 1,311,729 | 7.1 | 0.99 | 2,973,533 | 7.3 | 0.19 |
| 09/30/13 | | 12,833,637 | 11,354 | | | | | 1,317,815 | | | 2,980,475 | | |
| | 10/01/13 | 12,834,025 | | September 30,514 | | | Pounds Cr 0.297 | | | | | | |
| 10/01/13 | | 12,834,025 | 388 | | | | | 1,318,244 | | | 2,980,475 | | |
| 10/08/13 | | 12,843,796 | 9,771 | | | | | 1,321,693 | | | 2,988,064 | | |
| 10/16/13 | | 12,852,554 | 8,758 | | | | | 1,325,559 | | | 2,994,143 | | |
| 10/18/13 | | 12,855,027 | 2,473 | | 7.7 | 1.20 | 1.120 | 1,326,419 | 7.5 | 1.04 | 2,996,041 | 7.8 | 0.14 |
| | 11/01/13 | 12,867,815 | | October 33,790 | | | Pounds Cr 0.315 | | | | | | |
| 11/01/13 | | 12,867,815 | 12,788 | | | | | 1,332,902 | | | 3,004,777 | | |
| 11/05/13 | | 12,876,841 | 9,026 | | | | | 1,335,488 | | | 3,012,422 | | |
| 11/13/13 | | 12,903,367 | 26,526 | | 7.8 | 1.00 | 0.920 | 1,345,039 | 8.1 | 0.66 | 3,033,152 | 7.9 | 0.11 |
| 11/20/13 | | 12,924,566 | 21,199 | | | | | 1,350,740 | | | 3,051,316 | | |
| | 12/01/13 | 12,940,971 | | November 73,156 | | | Pounds Cr 0.560 | | | | | | |
| 12/02/13 | | 12,944,252 | 19,686 | | | | | 1,360,688 | | | 3,063,995 | | |
| 12/10/13 | | 12,954,971 | 10,719 | | 7.6 | 1.4 | 1.320 | 1,365,411 | 7.4 | 2.70 | 3,071,689 | 7.1 | 0.07 |
| 12/12/13 | | 12,957,411 | 2,440 | | | | | 1,366,744 | | | 3,073,244 | | |
| 12/23/13 | | 12,965,941 | 8,530 | | | | | 1,371,029 | | | 3,078,956 | | |
| 12/31/13 | | 12,970,459 | 4,518 | | | | | 1,373,592 | | | 3,081,611 | | |
| | 01/01/14 | 12,970,599 | | December 29,628 | | | Pounds Cr 0.326 | | | | | | |
| 01/01/14 | | 12,970,772 | 313 | | | | | 1,373,592 | | | 3,081,991 | | |
| 01/15/14 | | 12,976,884 | 6,112 | | 7.5 | 1.2 | 1.050 | 1,376,582 | 7.1 | 2.20 | 3,086,176 | 7.6 | 0.11 |
| 01/31/14 | | 12,983,061 | 6,177 | | | | | 1,379,605 | | | 3,090,406 | | |
| | 02/01/14 | 12,983,265 | | January 12,666 | | | Pounds Cr 0.111 | | | | | | |
| 02/02/14 | | 12,983,747 | 686 | | | | | 1,380,032 | | | 3,090,789 | | |
| 02/13/14 | | 12,987,155 | 3,408 | | 8.0 | 1.8 | 1.610 | 1,381,726 | 8.1 | 2.88 | 3,093,093 | 8.3 | 0.19 |
| 02/28/14 | | 12,993,603 | 6,448 | | | | | | | | | | |
| | 03/01/14 | 12,993,783 | | February 10,518 | | | Pounds Cr 0.141 | | | | | | |
| 03/01/14 | | 12,993,909 | 306 | | | | | | | | | | |
| 03/13/14 | | 13,005,882 | 11,973 | | 7.6 | 0.38 | 0.434 | 1,385,639 | 7.7 | 5.80 | 3,112,477 | 8.0 | 0.30 |
| 03/31/14 | | 13,059,539 | 53,657 | | | | | | | | | | |
| | 04/01/14 | 13,059,979 | | March 66,196 | | | Pounds Cr 0.239 | | | | | | |
| 04/01/14 | | 13,061,650 | 2,111 | | | | | 1,399,014 | | | 3,165,447 | | |
| 04/12/14 | | 13,091,485 | 29,835 | | | | | 1,411,117 | | | 3,187,701 | | |
| 04/13/14 | | 13,099,571 | 8,086 | | | | | 1,412,822 | | | 3,195,631 | | |
| 04/15/14 | | 13,135,912 | 36,341 | | | | | 1,424,711 | | | 3,224,028 | | |
| 04/18/14 | | 13,165,955 | 30,043 | | | | | 1,434,115 | | | 3,247,300 | | |
| 04/22/14 | | 13,210,016 | 44,061 | | 7.6 | 0.44 | 0.377 | 1,440,204 | 7.4 | 0.72 | 3,258,396 | 7.5 | 0.31 |
| | 05/01/14 | 13,211,258 | | April 151,279 | | | Pounds Cr 0.475 | | | | | | |
| 05/01/14 | | 13,211,345 | 1,329 | | | | | 1,451,524 | | | 3,282,450 | | |
| 05/13/14 | | 13,267,656 | 56,311 | | 7.5 | 0.28 | 0.273 | 1,471,868 | 7.3 | 0.73 | 3,326,392 | 7.4 | 0.20 |
| 05/14/14 | | 13,280,912 | 13,256 | | | | | 1,475,015 | | | 3,337,773 | | |
| 05/15/14 | | 13,286,754 | 5,842 | | | | | 1,476,780 | | | 3,342,511 | | |
| 05/20/14 | | 13,304,068 | 17,314 | | | | | 1,483,692 | | | 3,355,729 | | |

TABLE 1 Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 06/01/14 | 13,332,599 | | May | | | Pounds Cr | | | | | | |
| 06/02/14 | | 13,336,115 | 32,047 | 121,341 | | | 0.276 | 1,495,755 | | | 3,382,176 | | |
| 06/12/14 | | 13,372,027 | 35,912 | | 7.9 | 0.40 | 0.381 | 1,508,756 | 7.6 | 0.60 | 3,410,073 | 7.8 | 0.20 |
| 06/14/14 | | 13,374,936 | 2,909 | | | | | 1,510,080 | | | 3,412,070 | | |
| 06/17/14 | | 13,379,348 | 4,412 | | | | | 1,512,220 | | | 3,415,268 | | |
| 06/19/14 | | 13,394,274 | 14,926 | | | | | 1,514,826 | | | 3,429,626 | | |
| 06/20/14 | | 13,401,646 | 7,372 | | | | | 1,517,014 | | | 3,436,003 | | |
| 06/30/14 | | 13,444,046 | 42,400 | | | | | 1,531,745 | | | 3,470,067 | | |
| | 07/01/14 | 13,445,046 | | June | | | Pounds Cr | 1,532,601 | | | 3,472,302 | | |
| 07/01/14 | | 13,446,138 | 2,092 | 112,447 | | | 0.357 | | | | | | |
| 07/02/14 | | 13,449,088 | 2,950 | | | | | 1,533,460 | | | 3,475,127 | | |
| 07/09/14 | | 13,463,816 | 14,728 | | 7.7 | 0.68 | 0.689 | 1,539,906 | 7.4 | 1.0 | 3,486,800 | 7.4 | 1.0 |
| 07/14/14 | | 13,472,104 | 8,288 | | | | | 1,543,805 | | | 3,492,830 | | |
| 07/28/14 | | 13,480,642 | 8,538 | July | | | Pounds Cr | 1,551,065 | | | 3,501,179 | | |
| | 08/01/14 | 13,481,746 | | 36,700 | | | 0.211 | | | | | | |
| 08/01/14 | | 13,481,837 | 1,195 | | | | | 1,552,341 | | | 3,502,760 | | |
| 08/13/14 | | 13,495,032 | 13,195 | | 7.9 | 0.681 | 0.72 | 1,557,877 | 7.5 | 1.16 | 3,511,069 | 7.7 | 0.92 |
| 08/17/14 | | 13,502,593 | 7,561 | | | | | 1,560,483 | | | 3,517,406 | | |
| 08/19/14 | | 13,509,446 | 6,853 | | | | | 1,562,278 | | | 3,523,163 | | |
| 08/20/14 | | 13,517,300 | 7,854 | | | | | 1,563,989 | | | 3,530,111 | | |
| 08/22/14 | | 13,525,676 | 8,376 | | | | | 1,567,014 | | | 3,536,533 | | |
| 08/25/14 | | 13,534,424 | 8,748 | | | | | 1,571,333 | | | 3,542,173 | | |
| 08/29/14 | | 13,539,488 | 5,064 | | | | | 1,573,914 | | | 3,545,371 | | |
| 08/30/14 | | 13,542,314 | 2,826 | August | | | Pounds Cr | 1,575,198 | | | 3,547,361 | | |
| | 09/01/14 | 13,543,999 | | 62,253 | | | 0.37 | | | | | | |
| 09/02/14 | | 13,546,601 | 4,287 | | | | | 1,577,338 | | | 3,550,419 | | |
| 09/05/14 | | 13,550,482 | 3,881 | | | | | 1,579,481 | | | 3,553,370 | | |
| 09/08/14 | | 13,562,709 | 12,227 | | | | | 1,582,918 | | | 3,564,025 | | |
| 09/17/14 | | 13,579,703 | 16,994 | | 7.9 | 0.60 | 0.546 | 1,589,348 | 7.6 | 1.16 | 3,577,644 | 7.3 | 0.36 |
| 09/24/14 | | 13,593,114 | 13,411 | September | | | Pounds Cr | 1,595,011 | | | 3,577,644 | | |
| | 10/01/14 | 13,602,541 | | 58,542 | | | 0.27 | 1,600,155 | | | 3,577,644 | | |
| 10/01/14 | | 13,603,009 | 9,895 | | | | | 1,600,155 | | | 3,577,644 | | |
| 10/16/14 | | 13,633,400 | 30,391 | | 7.3 | 0.67 | 0.596 | 1,610,440 | 7.8 | 1.28 | 3,619,044 | 7.4 | 0.36 |
| 10/28/14 | | 13,658,462 | 25,062 | October | | | Pounds Cr | 1,621,724 | | | 3,636,660 | | |
| | 11/01/14 | 13,662,568 | | 60,027 | | | 0.298 | | | | | | |
| 11/01/14 | | 13,663,621 | 5,159 | | | | | 1,624,238 | | | 3,640,194 | | |
| 11/12/14 | | 13,672,756 | 9,135 | | 8.1 | 1.1 | 0.980 | 1,629,780 | 7.6 | 1.62 | 3,648,121 | 8.1 | 1.08 |
| 11/30/14 | | 13,695,977 | 23,221 | | | | | 1,640,533 | | | 3,663,353 | | |
| | 12/01/14 | 13,696,416 | | November | | | Pounds Cr | | | | | | |
| 12/01/14 | | 13,697,118 | 1,141 | 37,515 | | | 0.306 | 1,640,533 | | | 3,663,353 | | |
| 12/04/14 | | 13,701,386 | 4,268 | | | | | 1,643,108 | | | 3,666,947 | | |
| 12/08/14 | | 13,705,980 | 4,594 | | | | | 1,645,245 | | | 3,670,118 | | |
| 12/12/14 | | 13,709,486 | 3,506 | | 8.1 | 1.5 | 1.320 | 1,646,957 | 7.7 | 2.72 | 3,672,490 | 8.5 | 0.35 |
| 12/31/14 | | 13,768,265 | 58,779 | | | | | 1,666,522 | | | 3,720,581 | | |
| | 01/01/15 | 13,769,665 | | December | | | Pounds Cr | | | | | | |
| 01/01/15 | | 13,770,654 | 2,389 | 73,249 | | | 0.805 | 1,667,388 | | | 3,722,195 | | |
| 01/12/15 | | 13,785,790 | 15,136 | | 8.2 | 0.65 | 0.597 | 1,674,271 | 7.8 | 1.36 | 3,733,018 | 7.3 | 0.20 |
| 01/31/15 | | 13,798,407 | 12,617 | | | | | 1,679,866 | | | 3,742,191 | | |
| | 02/01/15 | 13,798,602 | | January | | | Pounds Cr | | | | | | |
| 02/01/15 | | 13,798,727 | 320 | 28,937 | | | 0.144 | 1,679,866 | | | 3,742,588 | | |
| 02/04/15 | | 13,800,127 | 1,400 | | 8.1 | 0.74 | 0.721 | 1,680,719 | 7.9 | 1.48 | 3,743,379 | 7.1 | 0.17 |
| 02/16/15 | | 13,804,943 | 4,816 | | | | | 1,682,892 | | | 3,746,962 | | |
| 02/20/15 | | 13,805,957 | 1,014 | | | | | 1,683,320 | | | 3,747,752 | | |
| 02/24/15 | | 13,806,974 | 1,017 | | | | | 1,683,745 | | | 3,748,542 | | |
| 02/28/15 | | 13,808,369 | 1,395 | | | | | 1,684,600 | | | 3,749,334 | | |
| | 03/01/15 | 13,808,507 | | February | | | Pounds Cr | | | | | | |
| 03/01/15 | | 13,808,690 | 321 | 9,905 | | | 0.059 | 1,684,600 | | | 3,749,728 | | |
| 03/18/15 | | 13,815,075 | 6,385 | | 8.2 | 0.80 | 0.713 | 1,687,150 | 7.2 | 1.00 | 3,757,618 | 8.0 | 0.34 |
| 03/23/15 | | 13,815,928 | 853 | | | | | 1,688,046 | | | 3,759,604 | | |
| 03/25/15 | | 13,816,332 | 404 | | | | | 1,688,901 | | | 3,759,889 | | |
| 03/26/15 | | 13,816,697 | 365 | | | | | 1,689,329 | | | 3,760,382 | | |

TABLE 1

Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 04/01/15 | 13,822,714 | | March | | | Pounds Cr | | | | | | |
| 04/07/15 | | 13,823,071 | 6,374 | 14,207 | | | 0.084 | 1,694,467 | | | 3,765,931 | | |
| 04/15/15 | | 13,856,854 | 33,783 | | 7.4 | 0.92 | 0.858 | 1,704,938 | 7.7 | 1.92 | 3,792,943 | 7.0 | 0.25 |
| 04/30/15 | | 13,885,187 | 28,333 | | | | | 1,718,370 | | | 3,812,262 | | |
| | 05/01/15 | 13,885,585 | | April | | | Pounds Cr | | | | | | |
| 05/04/15 | | 13,889,467 | 4,280 | 62,871 | | | 0.449 | 1,720,520 | | | 3,815,063 | | |
| 05/13/15 | | 13,898,048 | 8,581 | | 8.0 | 0.60 | 0.554 | 1,724,812 | 7.8 | 0.92 | 3,820,667 | 8.1 | 0.37 |
| 05/18/15 | | 13,905,897 | 7,849 | | | | | 1,727,444 | | | 3,827,133 | | |
| 05/19/15 | | 13,909,365 | 3,468 | | | | | 1,728,740 | | | 3,830,304 | | |
| 05/23/15 | | 13,914,964 | 5,599 | | | | | 1,731,329 | | | 3,834,357 | | |
| 05/25/15 | | 13,920,921 | 5,957 | | | | | 1,733,052 | | | 3,839,818 | | |
| 05/28/15 | | 13,937,530 | 16,609 | | | | | 1,736,965 | | | 3,854,997 | | |
| | 06/01/15 | 13,958,452 | | May | | | Pounds Cr | | | | | | |
| 06/02/15 | | 13,967,174 | 29,644 | 72,867 | | | 0.336 | 1,746,201 | | | 3,878,793 | | |
| 06/03/15 | | 13,970,819 | 3,645 | | | | | 1,747,948 | | | 3,881,197 | | |
| 06/10/15 | | 13,986,712 | 15,893 | | 7.4 | 0.60 | 0.547 | 1,755,299 | 7.1 | 0.66 | 3,892,044 | 7.2 | 0.27 |
| 06/16/15 | | 14,018,102 | 31,390 | | | | | 1,765,062 | | | 3,917,649 | | |
| 06/19/15 | | 14,042,191 | 24,089 | | | | | 1,772,128 | | | 3,937,351 | | |
| 06/28/15 | | 14,066,780 | 24,589 | | | | | 1,781,741 | | | 3,956,167 | | |
| 06/30/15 | | 14,069,200 | 2,420 | | | | | 1,783,061 | | | 3,957,962 | | |
| | 07/01/15 | 14,069,642 | | June | | | Pounds Cr | | | | | | |
| 07/01/15 | | 14,069,914 | 714 | 111,190 | | | 0.506 | 1,783,061 | | | 3,957,962 | | |
| 07/08/15 | | 14,077,301 | 7,387 | | 7.7 | 0.37 | 0.351 | 1,787,623 | 7.2 | 0.68 | 3,963,593 | 7.5 | 0.23 |
| 07/14/15 | | 14,085,720 | 8,419 | | | | | 1,790,678 | | | 3,970,192 | | |
| 07/29/15 | | 14,114,029 | 28,309 | | | | | 1,804,056 | | | 3,993,110 | | |
| | 08/01/15 | 14,115,454 | | July | | | Pounds Cr | | | | | | |
| 08/05/15 | | 14,117,883 | 3,854 | 45,812 | | | 0.134 | 1,807,395 | | | 3,995,776 | | |
| 08/12/15 | | 14,131,529 | 13,646 | | | 0.41 | 0.371 | 1,812,749 | 7.2 | 0.51 | 4,006,460 | 7.1 | 0.19 |
| 08/17/15 | | 14,137,372 | 5,843 | | | | | 1,816,582 | | | 4,010,201 | | |
| 08/18/15 | | 14,138,406 | 1,034 | | | | | 1,817,349 | | | 4,011,060 | | |
| 08/27/15 | | 14,145,800 | 7,394 | | | | | 1,822,802 | | | 4,016,771 | | |
| | 09/01/15 | 14,151,425 | | August | | | Pounds Cr | | | | | | |
| 09/04/15 | | 14,155,393 | 9,593 | 35,971 | | | 0.111 | 1,828,088 | | | 4,025,183 | | |
| 09/09/15 | | 14,175,870 | 20,477 | | 7.6 | 0.23 | 0.208 | 1,833,613 | 7.2 | 0.72 | 4,041,266 | 7.0 | 0.14 |
| 09/18/15 | | 14,191,902 | 16,032 | | | | | 1,843,839 | | | 4,055,798 | | |
| 09/28/15 | | 14,211,188 | 19,286 | | | | | 1,852,031 | | | 4,069,063 | | |
| 09/29/15 | | 14,211,559 | 371 | | | | | 1,852,459 | | | 4,069,894 | | |
| | 10/01/15 | 14,212,577 | | September | | | Pounds Cr | | | | | | |
| 10/01/15 | | 14,212,781 | 1,222 | 61,152 | | | 0.106 | 1,853,738 | | | 4,071,365 | | |
| 10/07/15 | | 14,220,473 | 7,692 | | | 0.72 | 0.661 | 1,856,721 | 7.2 | 1.26 | 4,071,365 | 7.3 | 0.16 |
| 10/13/15 | | 14,226,617 | 6,144 | | | | | 1,859,329 | | | 4,079,148 | | |
| 10/21/15 | | 14,233,700 | 7,083 | | | | | 1,863,168 | | | 4,082,924 | | |
| 10/27/15 | | 14,241,197 | 7,497 | | | | | 1,865,726 | | | 4,088,517 | | |
| | 11/01/15 | 14,260,606 | | October | | | Pounds Cr | | | | | | |
| 11/02/15 | | 14,266,255 | 25,058 | 48,029 | | | 0.264 | 1,872,203 | | | 4,108,562 | | |
| 11/12/15 | | 14,288,543 | 22,288 | | 7.7 | 0.73 | 0.700 | 1,882,551 | 7.3 | 1.20 | 4,122,107 | 7.6 | 0.26 |
| 11/30/15 | | 14,334,387 | 45,844 | | | | | 1,898,090 | | | 4,155,815 | | |
| | 12/01/15 | 14,336,677 | | November | | | Pounds Cr | | | | | | |
| 12/01/15 | | 14,339,197 | 4,810 | 76,072 | | | 0.443 | 1,899,821 | | | 4,159,227 | | |
| 12/10/15 | | 14,364,604 | 25,407 | | 7.9 | 0.69 | 0.627 | 1,910,218 | 7.4 | 0.66 | 4,176,267 | 7.3 | 0.30 |
| 12/21/15 | | 14,458,622 | 94,018 | | | | | 1,937,179 | | | 4,246,823 | | |
| | 01/01/16 | 14,487,544 | | December | | | Pounds Cr | | | | | | |
| 01/01/16 | | 14,488,585 | 29,963 | 150,867 | | | 0.788 | 1,949,306 | | | 4,267,333 | | |
| 01/07/16 | | 14,499,288 | 10,703 | | 7.9 | 0.62 | 0.572 | 1,954,033 | 7.4 | 0.87 | 4,274,451 | 7.6 | 0.40 |
| | 02/01/16 | 14,532,622 | | January | | | Pounds Cr | | | | | | |
| 02/01/16 | | 14,533,138 | 33,850 | 45,078 | | | 0.215 | 1,971,254 | | | 4,316,580 | | |
| 02/10/16 | | 14,562,012 | 28,874 | | 8.1 | 0.87 | 0.858 | 1,973,902 | 7.6 | 0.61 | 4,324,057 | 8.1 | 0.70 |
| 02/29/16 | | 14,601,368 | 39,356 | | | | | 1,982,872 | | | 4,359,110 | | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 03/01/16 | 14,602,713 | | February | | | Pounds Cr | | | | | | |
| 03/01/16 | | 14,603,747 | 2,379 | 70,091 | | | 0.501 | 1,983,300 | | | 4,361,401 | | |
| 03/10/16 | | 14,625,282 | 21,535 | | 7.9 | 0.63 | 0.609 | 1,988,471 | 7.3 | 1.44 | 4,380,928 | 7.4 | 0.37 |
| 03/31/16 | | 14,728,685 | 103,403 | | | | | 2,017,845 | | | 4,463,804 | | |
| | 04/01/16 | 14,733,540 | | March | | | Pounds Cr | | | | | | |
| 04/02/16 | | 14,751,888 | 23,203 | 130,827 | | | 0.663 | 2,023,638 | | | 4,482,114 | | |
| 04/06/16 | | 14,770,034 | 18,146 | | 7.8 | 0.38 | 0.244 | 2,029,748 | 7.2 | 0.53 | 4,495,836 | 7.2 | 0.24 |
| | 05/01/16 | 14,827,634 | | April | | | Pounds Cr | | | | | | |
| 05/03/16 | | 14,834,742 | 64,708 | 94,094 | | | 0.191 | 2,057,059 | | | 4,539,976 | | |
| 05/12/16 | | 14,846,704 | 19,070 | | 7.6 | 0.70 | 0.645 | 2,062,615 | 7.2 | 0.47 | 4,547,811 | 7.1 | 0.69 |
| 05/17/16 | | 14,856,181 | 9,477 | | | | | 2,067,406 | | | 4,553,472 | | |
| | 06/01/16 | 14,889,570 | | May | | | Pounds Cr | | | | | | |
| 06/06/16 | | 14,902,417 | 46,236 | 61,936 | | | 0.333 | 2,086,371 | | | 4,585,701 | | |
| 06/08/16 | | 14,906,067 | 3,650 | | 7.5 | 0.43 | 0.406 | 2,088,096 | 7.1 | 0.69 | 4,587,959 | 7.1 | 0.25 |
| 06/19/16 | | 14,946,108 | 40,041 | | | | | 2,101,451 | | | 4,617,396 | | |
| | 07/01/16 | 14,980,911 | | June | | | Pounds Cr | | | | | | |
| 07/01/16 | | 14,983,214 | 37,106 | 91,341 | | | 0.309 | 2,113,474 | | | 4,646,051 | | |
| 07/07/16 | | 14,998,455 | 15,241 | | 7.4 | 0.50 | 0.430 | 2,119,487 | 7.0 | 0.87 | 4,656,766 | 7.1 | 0.20 |
| 07/31/16 | | 15,036,518 | 38,063 | | | | | 2,138,364 | | | 4,681,191 | | |
| | 08/01/16 | 15,036,760 | | July | | | Pounds Cr | | | | | | |
| 08/01/16 | | 15,037,244 | 726 | 55,849 | | | 0.200 | 2,138,788 | | | 4,682,282 | | |
| 08/11/16 | | 15,047,013 | 9,769 | | 7.4 | 0.61 | 0.583 | 2,144,319 | 7.1 | 0.98 | 4,687,103 | 7.1 | 0.12 |
| 08/24/16 | | 15,065,460 | 18,447 | | | | | 2,152,060 | | | 4,700,186 | | |
| | 09/01/16 | 15,080,715 | | August | | | Pounds Cr | | | | | | |
| 09/02/16 | | 15,081,239 | 15,779 | 43,955 | | | 0.213 | 2,159,787 | | | 4,709,523 | | |
| 09/08/16 | | 15,093,858 | 12,619 | | 7.2 | 0.41 | 0.355 | 2,164,508 | 7.1 | 0.60 | 4,718,876 | 6.9 | 0.17 |
| 09/15/16 | | 15,117,114 | 23,256 | | | | | 2,173,196 | | | 4,734,824 | | |
| 09/30/16 | | 15,161,513 | 44,399 | | | | | 2,190,037 | | | 4,766,164 | | |
| | 10/01/16 | 15,162,610 | | September | | | Pounds Cr | | | | | | |
| 10/01/16 | | 15,162,976 | 1,463 | 81,895 | | | 0.242 | 2,190,896 | | | 4,766,917 | | |
| 10/05/16 | | 15,170,280 | 7,304 | | 7.5 | 0.76 | 0.707 | 2,194,329 | 7.1 | 1.17 | 4,771,417 | 7.2 | 0.24 |
| | 11/01/16 | 15,218,316 | | October | | | Pounds Cr | | | | | | |
| 11/01/16 | | 15,218,916 | 48,636 | 55,706 | | | 0.328 | 2,214,974 | | | 4,803,706 | | |
| 11/09/16 | | 15,231,072 | 12,156 | | 7.7 | 0.58 | 0.550 | 2,221,415 | 7.3 | 1.02 | 4,810,434 | 7.2 | 0.17 |
| 11/30/16 | | 15,257,768 | 26,696 | | | | | 2,231,705 | | | 4,829,512 | | |
| | 12/01/16 | 15,259,593 | | November | | | Pounds Cr | | | | | | |
| 12/01/16 | | 15,262,085 | 4,317 | 41,277 | | | 0.189 | 2,233,005 | | | 4,832,948 | | |
| 12/08/16 | | 15,278,159 | 16,074 | | 7.7 | 0.90 | 0.832 | 2,240,348 | 7.4 | 1.41 | 4,843,138 | 7.3 | 0.26 |
| | 01/01/17 | 15,320,273 | | December | | | Pounds Cr | | | | | | |
| 01/05/17 | | 15,328,203 | 50,044 | 60,680 | | | 0.420 | | | | | | |
| 01/05/17 | | 15,328,203 | 0 | | | 1.00 | 0.895 | 2,259,750 | 7.5 | 1.44 | 4,878,940 | 7.4 | 0.47 |
| 01/31/17 | | 15,387,622 | 59,419 | | | | | 2,272,198 | | | 4,933,594 | | |
| | 02/01/17 | 15,387,845 | | January | | | Pounds Cr | | | | | | |
| 02/01/17 | | 15,388,387 | 765 | 67,572 | | | 0.504 | 2,272,625 | | | 4,933,971 | | |
| 02/09/17 | | 15,399,455 | 11,068 | | 7.8 | 0.56 | 0.542 | 2,277,351 | 7.5 | 0.99 | 4,941,836 | 7.1 | 0.13 |
| | 03/01/17 | 15,452,749 | | February | | | Pounds Cr | | | | | | |
| 03/08/17 | | 15,476,369 | 76,914 | 64,904 | | | 0.305 | | | | | | |
| 03/08/17 | | 15,476,369 | 0 | | 7.8 | 0.59 | 0.539 | 2,302,121 | 7.3 | 1.14 | 5,002,178 | 7.3 | 0.26 |
| 03/14/17 | | 15,497,125 | 20,756 | | | | | 2,309,539 | | | 5,016,906 | | |
| 03/25/17 | | 15,528,765 | 31,640 | | | | | 2,321,231 | | | 5,039,669 | | |
| 03/29/17 | | 15,542,291 | 13,526 | | | | | 2,325,638 | | | 5,049,699 | | |
| | 04/01/17 | 15,558,808 | | March | | | Pounds Cr | | | | | | |
| 04/02/17 | | 15,562,275 | 19,984 | 106,059 | | | 0.476 | 2,333,037 | | | 5,064,049 | | |
| 04/06/17 | | 15,582,526 | 20,251 | | 7.7 | 0.43 | 0.405 | 2,340,089 | 7.3 | 0.57 | 5,064,049 | 7.3 | 0.27 |
| 04/27/17 | | 15,676,954 | 94,428 | | | | | 2,372,953 | | | 5,146,405 | | |
| | 05/01/17 | 15,703,639 | | April | | | Pounds Cr | | | | | | |
| 05/04/17 | | 15,728,166 | 51,212 | 144,831 | | | 0.488 | | | | | | |
| 05/04/17 | | 15,728,166 | 0 | | 7.6 | 0.28 | 0.257 | 2,387,552 | 7.1 | 0.36 | 5,185,807 | 6.8 | 0.21 |
| | 06/01/17 | 15,796,047 | | May | | | Pounds Cr | | | | | | |
| 06/08/17 | | 15,812,038 | 83,872 | 92,408 | | | 0.198 | | | | | | |
| 06/08/17 | | 15,812,038 | 0 | | 7.5 | 0.35 | 0.325 | 2,421,837 | 7.1 | 0.36 | 5,243,312 | 7.2 | 0.16 |

TABLE 1 Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 07/01/17 | 15,888,740 | | June | | | Pounds Cr | | | | | | |
| 07/01/17 | | 15,891,390 | 79,352 | 92,693 | | | 0.251 | | | | | | |
| 07/06/17 | | 15,902,647 | 11,257 | | 7.5 | 0.57 | 0.525 | 2,453,044 | 7.1 | 0.69 | 5,309,639 | 7.0 | 0.50 |
| 07/31/17 | | 15,945,154 | 42,507 | | | | | 2,472,011 | | | 5,337,122 | | |
| | 08/01/17 | 15,945,504 | | July | | | Pounds Cr | | | | | | |
| 08/01/17 | | 15,945,880 | 726 | 56,764 | | | 0.248 | 2,472,438 | | | 5,337,492 | | |
| 08/09/17 | | 15,958,437 | 12,557 | | 7.4 | 0.68 | 0.624 | 2,478,016 | 7.0 | 0.66 | 5,347,291 | 6.9 | 0.38 |
| | 09/01/17 | 15,992,489 | | August | | | Pounds Cr | | | | | | |
| 09/07/17 | | 16,001,926 | 43,489 | 46,985 | | | 0.244 | 2,472,438 | | | 5,337,492 | | |
| 09/07/17 | | 16,001,926 | 0 | | 7.4 | 0.50 | 0.488 | 2,497,770 | 7.1 | 0.68 | 5,375,524 | 6.9 | 0.14 |
| 09/29/17 | | 16,031,780 | 29,854 | | | | | 2,510,609 | | | 5,395,101 | | |
| | 10/01/17 | 16,034,956 | | September | | | Pounds Cr | | | | | | |
| 10/03/17 | | 16,035,404 | 3,624 | 42,467 | | | 0.173 | 2,512,318 | | | 5,397,338 | | |
| 10/05/17 | | 16,037,996 | 2,592 | | 7.5 | 0.44 | 0.410 | 2,513,176 | 7.1 | 1.14 | 5,399,232 | 6.7 | 0.12 |
| | 11/01/17 | 16,080,246 | | October | | | Pounds Cr | | | | | | |
| 11/07/17 | | 16,090,463 | 52,467 | 45,290 | | | 0.155 | 2,536,891 | | | 5,436,850 | | |
| 11/09/17 | | 16,092,667 | 2,204 | | 7.6 | 0.76 | 0.718 | 2,538,180 | 7.2 | 0.99 | 5,437,985 | 7.2 | 0.22 |
| 11/15/17 | | 16,098,379 | 5,712 | | | | | 2,541,643 | | | 5,441,055 | | |
| 11/30/17 | | 16,109,689 | 11,310 | | | | | 2,549,030 | | | 5,450,173 | | |
| | 12/01/17 | 16,110,147 | | November | | | Pounds Cr | | | | | | |
| 12/03/17 | | 16,112,117 | 2,428 | 29,901 | | | 0.179 | 2,550,308 | | | 5,451,687 | | |
| 12/07/17 | | 16,115,265 | 3,148 | | 7.4 | 0.82 | 0.755 | 2,551,590 | 7.4 | 1.29 | 5,453,973 | 7.4 | 0.20 |
| 12/14/17 | | 16,121,000 | 5,735 | | | | | 2,551,590 | | | 5,453,973 | | |
| 12/31/17 | | 16,131,936 | 10,936 | | | | | 2,560,147 | | | 5,464,203 | | |
| | 01/01/18 | 16,132,116 | | December | | | Pounds Cr | | | | | | |
| 01/01/18 | | 16,132,328 | 392 | 21,969 | | | 0.138 | 2,560,571 | | | 5,464,203 | | |
| 01/04/18 | | 16,133,697 | 1,369 | | -- | 0.78 | 0.734 | 2,560,993 | -- | 0.41 | 5,465,331 | -- | 0.04 |
| | 02/01/18 | 16,144,665 | | January | | | Pounds Cr | | | | | | |
| 02/01/18 | | 16,144,863 | 11,166 | 12,549 | | | 0.077 | 2,566,068 | | | 5,472,876 | | |
| 02/08/18 | | 16,147,315 | 2,452 | | 7.8 | 0.75 | 0.906 | 2,567,326 | 7.4 | 1.68 | 5,474,376 | 7.2 | 0.16 |
| 02/28/18 | | 16,155,889 | 8,574 | | | | | 2,570,306 | | | 5,481,207 | | |
| | 03/01/18 | 16,156,053 | | February | | | Pounds Cr | | | | | | |
| 03/01/18 | | 16,156,211 | 322 | 11,388 | | | 0.086 | 2,570,306 | | | 5,481,586 | | |
| 03/08/18 | | 16,163,746 | 7,535 | | 7.7 | 0.52 | 0.526 | 2,574,570 | 7.4 | 0.78 | 5,485,747 | 7.2 | 0.20 |
| 03/27/18 | | 16,183,153 | 19,407 | | | | | 2,585,717 | | | 5,495,623 | | |
| 03/31/18 | | 16,188,615 | 5,462 | | | | | 2,472,869* | | | 5,499,048 | | |
| | 04/01/18 | 16,189,199 | | March | | | Pounds Cr | | | | | | |
| 04/01/18 | | 16,190,057 | 1,442 | 33,146 | | | 0.145 | 2,473,316 | | | 5,500,204 | | |
| 04/05/18 | | 16,195,349 | 5,292 | | 7.7 | 0.60 | 0.585 | 2,476,332 | 7.3 | 0.84 | 5,502,874 | 7.4 | 0.35 |
| 04/10/18 | | 16,203,721 | 8,372 | | | | | 2,480,242 | | | 5,508,217 | | |
| 04/25/18 | | 16,302,239 | 98,518 | | | | | 2,508,161 | | | 5,586,326 | | |
| 04/30/18 | | 16,328,835 | 26,596 | | | | | 2,516,938 | | | 5,606,361 | | |
| | 05/01/18 | 16,330,212 | | April | | | Pounds Cr | | | | | | |
| 05/01/18 | | 16,331,044 | 2,209 | 141,013 | | | 0.687 | 2,517,809 | | | 5,607,864 | | |
| 05/04/18 | | 16,360,268 | 29,224 | | | | | 2,526,963 | | | 5,630,632 | | |
| 05/10/18 | | 16,409,694 | 49,426 | | 7.6 | 0.30 | 0.315 | 2,541,347 | 7.2 | 0.51 | 5,667,843 | 6.8 | 0.19 |
| 05/22/18 | | 16,428,757 | 19,063 | | | | | 2,547,991 | | | 5,681,939 | | |
| 05/24/18 | | 16,455,003 | 26,246 | | | | | 2,557,801 | | | 5,698,300 | | |
| 05/29/18 | | 16,462,967 | 7,964 | | | | | 2,562,178 | | | 5,702,537 | | |
| | 06/01/18 | 16,466,594 | | May | | | Pounds Cr | | | | | | |
| 06/01/18 | | 16,467,299 | 4,332 | 136,382 | | | 0.358 | 2,563,476 | | | 5,705,975 | | |
| 06/05/18 | | 16,476,100 | 8,801 | | | | | 2,566,515 | | | 5,712,597 | | |
| 06/07/18 | | 16,480,044 | 3,944 | | 7.6 | 0.38 | 0.382 | 2,568,258 | 7.1 | 0.53 | 5,715,101 | 7.3 | 0.21 |
| 06/30/18 | | 16,537,167 | 57,123 | | | | | 2,588,614 | | | 5,756,117 | | |
| | 07/01/18 | 16,537,690 | | June | | | Pounds Cr | | | | | | |
| 07/01/18 | | 16,538,238 | 1,071 | 71,096 | | | 0.226 | 2,589,032 | | | 5,756,879 | | |
| 07/05/18 | | 16,542,427 | 4,189 | | 7.6 | 0.31 | 0.311 | 2,591,176 | 7.2 | 0.57 | 5,759,920 | 7.1 | 0.16 |
| 07/12/18 | | 16,545,145 | 2,718 | | | | | 2,594,639 | | | 5,763,368 | | |
| 07/19/18 | | 16,553,309 | 8,164 | | | | | 2,597,639 | | | 5,766,777 | | |
| 07/31/18 | | 16,571,725 | 18,416 | | | | | 2,604,452 | | | 5,779,752 | | |

TABLE 1 Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 08/01/18 | 16,571,996 | | July | | | Pounds Cr | | | | | | |
| 08/01/18 | | 16,572,495 | 770 | 34,306 | | | 0.089 | 2,589,032 | | | 5,756,879 | | |
| 08/08/18 | | 16,581,462 | 8,967 | | -- | 0.43 | 0.438 | 2,608,818 | 7.1 | 0.55 | 5,785,813 | 7.0 | 0.27 |
| 08/31/18 | | 16,637,913 | 56,451 | | | | | 2,629,840 | | | 5,828,591 | | |
| | 09/01/18 | 16,640,165 | | August | | | Pounds Cr | | | | | | |
| 09/01/18 | | 16,641,711 | 3,798 | 68,169 | | | 0.125 | 2,631,151 | | | 5,831,336 | | |
| 09/06/18 | | 16,695,169 | 53,458 | | 7.5 | 0.24 | 0.256 | 2,646,502 | 7.1 | 0.59 | 5,871,311 | 6.7 | 0.08 |
| 09/17/18 | | 16,734,724 | 39,555 | | | | | 2,659,921 | | | 5,899,762 | | |
| 09/18/18 | | 16,738,499 | 3,775 | | | | | 2,660,806 | | | 5,903,277 | | |
| 09/30/18 | | 16,775,825 | 37,326 | | | | | 2,672,955 | | | 5,932,062 | | |
| | 10/01/18 | 16,776,168 | | September | | | Pounds Cr | | | | | | |
| 10/01/18 | | 16,776,700 | 875 | 136,003 | | | 0.290 | 2,673,387 | | | 5,932,454 | | |
| 10/03/18 | | 16,785,853 | 9,153 | | 7.8 | 0.30 | 0.303 | 2,675,556 | 7.3 | 0.60 | 5,940,463 | 7.1 | 0.22 |
| 10/25/18 | | 16,899,216 | 113,363 | | | | | 2,709,668 | | | 6,027,153 | | |
| | 11/01/18 | 16,908,245 | | October | | | Pounds Cr | | | | | | |
| 11/01/18 | | 16,908,712 | 9,496 | 132,077 | | | 0.333 | 2,713,560 | | | 6,033,788 | | |
| 11/07/18 | | 16,921,099 | 12,387 | | 7.7 | 0.38 | 0.424 | 2,717,458 | 7.1 | 0.36 | 6,044,211 | 6.8 | 0.34 |
| 11/12/18 | | 16,936,140 | 15,041 | | | | | 2,723,181 | | | 6,054,634 | | |
| 11/14/18 | | 16,940,487 | 4,347 | | | | | 2,725,362 | | | 6,057,406 | | |
| 11/16/18 | | 16,944,318 | 3,831 | | | | | 2,727,099 | | | 6,059,771 | | |
| 11/19/18 | | 16,949,417 | 5,099 | | | | | 2,729,266 | | | 6,063,298 | | |
| | 12/01/18 | 16,964,903 | | November | | | Pounds Cr | | | | | | |
| 12/06/18 | | 16,972,133 | 22,716 | 56,658 | | | 0.200 | 2,738,784 | | | 6,080,566 | | |
| 12/06/18 | | 16,972,133 | 0 | | 8.0 | 0.52 | 0.521 | 2,738,784 | 7.4 | 0.53 | 6,080,566 | 7.2 | 0.45 |
| | 01/01/19 | 17,020,007 | | December | | | Pounds Cr | | | | | | |
| 01/04/19 | | 17,021,076 | 48,943 | 55,104 | | | 0.239 | 2,757,483 | | | 6,116,420 | | |
| 01/10/19 | | 17,051,054 | 29,978 | | 7.8 | 0.26 | 0.246 | 2,765,903 | 7.2 | 0.41 | 6,140,244 | 7.0 | 0.18 |
| | 02/01/19 | 17,085,876 | | January | | | Pounds Cr | | | | | | |
| 02/01/19 | | 17,086,762 | 35,708 | 65,869 | | | 0.135 | 2,779,438 | | | 6,166,376 | | |
| 02/07/19 | | 17,092,183 | 5,421 | | 8.0 | 0.36 | 0.398 | 2,781,163 | 7.5 | 0.37 | 6,170,668 | 7.3 | 0.35 |
| | 03/01/19 | 17,108,085 | | February | | | Pounds Cr | | | | | | |
| 03/01/19 | | 17,108,314 | 16,131 | 22,209 | | | 0.074 | 2,786,817 | | | 6,183,118 | | |
| 03/07/19 | | 17,112,149 | 3,835 | | 7.9 | 0.29 | 0.296 | 2,788,121 | 7.4 | -- | 6,186,219 | 7.4 | -- |
| 03/26/19 | | 17,201,867 | 89,718 | | | | | 2,810,744 | | | 6,261,318 | | |
| | 04/01/19 | 17,220,303 | | March | | | Pounds Cr | | | | | | |
| 04/02/19 | | 17,221,255 | 19,388 | 112,218 | | | 0.277 | 2,818,615 | | | 6,274,417 | | |
| 04/02/19 | | 17,221,255 | 0 | | 7.7 | 0.40 | 0.408 | 2,818,615 | 7.2 | 0.53 | 6,274,417 | 7.2 | 0.15 |
| 04/18/19 | | 17,270,735 | 49,480 | | | | | 2,834,848 | | | 6,312,336 | | |
| 04/30/19 | | 17,336,326 | 65,591 | | | | | 2,855,668 | | | 6,362,011 | | |
| | 05/01/19 | 17,338,042 | | April | | | Pounds Cr | | | | | | |
| 05/01/19 | | 17,340,509 | 4,183 | 117,739 | | | 0.400 | 2,856,981 | | | 6,365,212 | | |
| 05/09/19 | | 17,366,641 | 26,132 | | 7.8 | 0.43 | 0.441 | 2,866,635 | 7.2 | 0.39 | 6,383,940 | 7.2 | 0.66 |
| | 06/01/19 | 17,467,893 | | May | | | Pounds Cr | | | | | | |
| 06/06/19 | | 17,492,562 | 125,921 | 129,851 | | | 0.477 | 2,856,981 | | | 6,365,212 | | |
| 06/06/19 | | 17,492,562 | 0 | | 7.6 | 0.23 | 0.249 | 2,908,632 | 7.2 | 0.32 | 6,478,871 | 7.0 | 0.22 |
| 06/11/19 | | 17,502,105 | 9,543 | | | | | 2,912,952 | | | 6,486,321 | | |
| 06/18/19 | | 17,525,532 | 23,427 | | | | | 2,920,258 | | | 6,503,730 | | |
| | 07/01/19 | 17,581,030 | | June | | | Pounds Cr | | | | | | |
| 07/08/19 | | 17,613,923 | 88,391 | 113,137 | | | 0.235 | 2,947,437 | | | 6,572,415 | | |
| 07/10/19 | | 17,619,393 | 5,470 | | 7.6 | 0.25 | 0.229 | 2,949,581 | 7.1 | 0.48 | 6,576,370 | 7.0 | 0.12 |
| 07/22/19 | | 17,636,628 | 17,235 | | | | | 2,956,444 | | | 6,590,064 | | |
| 07/23/19 | | 17,644,137 | 7,509 | | | | | 2,958,908 | | | 6,596,369 | | |
| 07/26/19 | | 17,655,780 | 11,643 | | | | | 2,961,918 | | | 6,602,890 | | |
| 07/31/19 | | 17,662,536 | 6,756 | | | | | 2,965,324 | | | 6,606,751 | | |

TABLE 1 Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 08/01/19 | 17,662,953 | | July | | | Pounds Cr | | | | | | |
| 08/01/19 | | 17,663,650 | 1,114 | 81,923 | | | 0.156 | 2,965,752 | | | 6,607,522 | | |
| 08/07/19 | | 17,674,432 | 10,782 | | 7.7 | 0.37 | 0.383 | 2,969,223 | 7.3 | 0.38 | 6,615,773 | 7.5 | 0.30 |
| 08/31/19 | | 17,712,769 | 38,337 | | | | | 2,984,986 | | | 6,643,285 | | |
| | 09/01/19 | 17,713,001 | | August | | | Pounds Cr | | | | | | |
| 09/01/19 | | 17,713,872 | 1,103 | 50,048 | | | 0.160 | 2,985,412 | | | 6,644,057 | | |
| 09/05/19 | | 17,719,385 | 5,513 | | 7.8 | 0.48 | 0.489 | 2,987,590 | 7.3 | 0.50 | 6,644,933 | 7.3 | 0.43 |
| 09/18/19 | | 17,790,650 | 71,265 | | | | | 3,009,066 | | | 6,701,147 | | |
| 09/30/19 | | 17,829,959 | 39,309 | | | | | 3,022,795 | | | 6,730,481 | | |
| | 10/01/19 | 17,830,522 | | September | | | Pounds Cr | | | | | | |
| 10/01/19 | | 17,831,112 | 1,153 | 117,521 | | | 0.479 | 2,985,412 | | | 6,644,057 | | |
| 10/10/19 | | 17,895,551 | 64,439 | | 7.7 | 0.23 | 0.239 | 3,042,581 | 7.4 | 0.35 | 6,779,975 | 7.2 | 0.16 |
| 10/31/19 | | 17,949,436 | 53,885 | | | | | 3,063,263 | | | 6,819,059 | | |
| | 11/01/19 | 17,950,221 | | October | | | Pounds Cr | | | | | | |
| 11/01/19 | | 17,950,822 | 1,386 | 119,699 | | | 0.238 | 3,063,964 | | | 6,819,849 | | |
| 11/07/19 | | 17,964,181 | 13,359 | | 8.0 | 0.36 | 0.343 | 3,069,346 | 7.5 | 0.39 | 6,828,897 | 7.7 | 0.26 |
| 11/30/19 | | 18,029,863 | 65,682 | | | | | 3,091,286 | | | 6,879,193 | | |
| | 12/01/19 | 18,031,315 | | November | | | Pounds Cr | | | | | | |
| 12/01/19 | | 18,032,559 | 2,696 | 81,094 | | | 0.232 | 3,091,718 | | | 6,881,218 | | |
| 12/06/19 | | 18,058,482 | 25,923 | | 8.0 | 0.35 | 0.343 | 3,099,656 | 7.3 | 0.34 | 6,901,417 | 7.8 | 0.14 |
| 12/31/19 | | 18,123,426 | 64,944 | | | | | 3,122,055 | | | 6,954,035 | | |
| | 01/01/20 | 18,126,523 | | December | | | Pounds Cr | | | | | | |
| 01/01/20 | | 18,127,980 | 4,554 | 95,208 | | | 0.272 | 3,122,936 | | | 6,954,035 | | |
| 01/03/20 | | 18,137,077 | 9,097 | | 7.9 | 0.46 | 0.438 | 3,125,583 | 7.6 | 0.43 | 6,961,319 | 7.6 | 0.41 |
| 01/31/20 | | 18,185,942 | 48,865 | | | | | 3,144,421 | | | 6,996,350 | | |
| | 02/01/20 | 18,188,180 | | January | | | Pounds Cr | | | | | | |
| 02/03/20 | | 18,188,411 | 2,469 | 61,657 | | | 0.225 | 3,145,281 | | | 6,998,288 | | |
| 02/07/20 | | 18,193,814 | 5,403 | | 8.0 | 0.60 | 0.562 | 3,147,017 | 7.6 | 0.28 | 7,002,580 | 7.9 | 0.22 |
| 02/28/20 | | 18,215,202 | 21,388 | | | | | 3,155,718 | | | 7,017,733 | | |
| | 03/01/20 | 18,217,070 | | February | | | Pounds Cr | | | | | | |
| 03/02/20 | | 18,218,425 | 3,223 | 28,890 | | | 0.135 | 3,157,017 | | | 7,020,060 | | |
| 03/06/20 | | 18,227,194 | 8,769 | | 8.0 | 0.81 | 0.776 | 3,159,176 | 7.4 | 0.53 | 7,027,934 | 7.9 | 0.44 |
| 03/31/20 | | 18,382,609 | 155,415 | | | | | 3,201,453 | | | 7,154,334 | | |
| | 04/01/20 | 18,384,172 | | March | | | Pounds Cr | | | | | | |
| 04/01/20 | | 18,388,797 | 6,188 | 167,102 | | | 1.080 | 3,203,232 | | | 7,159,271 | | |
| 04/10/20 | | 18,415,384 | 26,587 | | 8.1 | 0.25 | 0.237 | 3,213,356 | 7.7 | 0.18 | 7,178,272 | 8.1 | 0.16 |
| 04/30/20 | | 18,455,631 | 40,247 | | | | | 3,228,721 | | | 7,207,059 | | |
| | 05/01/20 | 18,456,245 | | April | | | Pounds Cr | | | | | | |
| 05/01/20 | | 18,457,479 | 1,848 | 72,073 | | | 0.142 | 3,229,593 | | | 7,208,236 | | |
| 05/07/20 | | 18,465,286 | 7,807 | | 8.0 | 0.26 | 0.262 | 3,233,088 | 7.5 | 0.18 | 7,213,316 | 7.9 | 0.12 |
| 05/30/20 | | 18,547,864 | 82,578 | | | | | 3,261,998 | | | 7,273,059 | | |
| | 06/01/20 | 18,552,699 | | May | | | Pounds Cr | | | | | | |
| 06/01/20 | | 18,555,721 | 7,857 | 96,454 | | | 0.210 | 3,264,658 | | | 7,279,075 | | |
| 06/04/20 | | 18,563,811 | 8,090 | | 7.8 | 0.28 | 0.282 | 3,267,737 | 7.3 | 0.20 | 7,284,611 | 7.5 | 0.20 |
| 06/30/20 | | 18,636,606 | 72,795 | | | | | 3,294,057 | | | 7,339,953 | | |
| | 07/01/20 | 18,637,892 | | June | | | Pounds Cr | | | | | | |
| 07/01/20 | | 18,638,722 | 2,116 | 85,193 | | | 0.200 | 3,294,931 | | | 7,341,133 | | |
| 07/10/20 | | 18,652,865 | 14,143 | | 7.9 | 0.29 | 0.284 | 3,301,008 | 7.3 | 0.23 | 7,350,478 | 7.5 | 0.20 |
| 07/31/20 | | 18,723,698 | 70,833 | | | | | 3,324,361 | | | 7,403,193 | | |
| | 08/01/20 | 18,724,228 | | July | | | Pounds Cr | | | | | | |
| 08/03/20 | | 18,728,205 | 4,507 | 86,336 | | | 0.204 | 3,326,528 | | | 7,405,919 | | |
| 08/06/20 | | 18,731,111 | 2,906 | | 7.8 | 0.33 | 0.345 | 3,327,827 | 7.3 | 0.34 | 7,407,858 | 7.5 | 0.18 |
| 08/31/20 | | 18,753,077 | 21,966 | | | | | 3,339,110 | | | 7,421,402 | | |
| | 09/01/20 | 18,753,491 | | August | | | Pounds Cr | | | | | | |
| 09/01/20 | | 18,753,819 | 742 | 29,263 | | | 0.084 | 3,339,541 | | | 7,421,789 | | |
| 09/11/20 | | 18,760,472 | 6,653 | | 8.1 | 0.57 | 0.544 | 3,343,863 | 7.3 | 0.45 | 7,427,984 | 7.6 | 0.41 |
| 09/30/20 | | 18,792,498 | 32,026 | | | | | 3,358,277 | | | 7,446,675 | | |
| | 10/01/20 | 18,792,926 | | September | | | Pounds Cr | | | | | | |
| 10/01/20 | | 18,793,222 | 724 | 39,435 | | | 0.179 | 3,358,711 | | | 7,427,060 | | |
| 10/08/20 | | 18,800,494 | 7,272 | | 8.1 | 0.50 | 0.497 | 3,362,178 | 7.4 | 0.30 | 7,451,303 | 7.6 | 0.26 |
| 10/30/20 | | 18,848,450 | 47,956 | | | | | 3,382,506 | | | 7,482,072 | | |

TABLE 1 Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 11/01/20 | 18,850,614 | | October | | | Pounds Cr | | | | | | |
| 11/02/20 | | 18,852,636 | 4,186 | 57,688 | | | 0.239 | 3,384,697 | | | 7,484,406 | | |
| 11/06/20 | | 18,857,874 | 5,238 | | 8.0 | 0.38 | 0.388 | 3,387,314 | 7.3 | 0.50 | 7,487,496 | 7.7 | 0.13 |
| 11/30/20 | | 18,905,102 | 47,228 | | | | | 3,402,642 | | | 7,523,584 | | |
| | 12/01/20 | 18,905,731 | | November | | | Pounds Cr | | | | | | |
| 12/01/20 | | 18,906,214 | 1,112 | 55,117 | | | 0.178 | 3,403,078 | | | 7,524,365 | | |
| 12/11/20 | | 18,916,201 | 9,987 | | 8.2 | 0.46 | 0.456 | 3,406,790 | 7.6 | 0.44 | 7,531,716 | 7.8 | 0.17 |
| 12/31/20 | | 18,929,139 | 12,938 | | | | | 3,412,036 | | | 7,540,417 | | |
| | 01/01/21 | 18,929,421 | | December | | | Pounds Cr | | | | | | |
| 01/01/21 | | 18,929,873 | 734 | 23,690 | | | 0.090 | 3,412,468 | | | 7,540,800 | | |
| 01/08/21 | | 18,932,355 | 2,482 | | 8.0 | 0.42 | 0.461 | 3,413,334 | 7.6 | 0.34 | 7,542,714 | 7.9 | 0.13 |
| 01/30/21 | | 18,943,896 | 11,541 | | | | | 3,417,699 | | | 7,550,795 | | |
| | 02/01/21 | 18,944,934 | | January | | | Pounds Cr | | | | | | |
| 02/01/21 | | 18,945,098 | 1,202 | 15,513 | | | 0.060 | 3,418,132 | | | 7,551,562 | | |
| 02/05/21 | | 18,946,680 | 1,582 | | 8.2 | 0.43 | 0.451 | 3,418,564 | 7.8 | 0.58 | 7,552,713 | 7.8 | 0.12 |
| 02/26/21 | | 18,956,204 | 9,524 | | | | | 3,422,065 | | | 7,558,504 | | |
| | 03/01/21 | 18,960,761 | | February | | | Pounds Cr | | | | | | |
| 03/01/21 | | 18,961,256 | 5,052 | 15,827 | | | 0.059 | 3,422,496 | | | 7,563,170 | | |
| 03/05/21 | | 18,969,678 | 8,422 | | 8.4 | 0.64 | 0.717 | 3,424,232 | 7.9 | 0.61 | 7,569,835 | 8.1 | 0.30 |
| 03/31/21 | | 19,036,724 | 67,046 | | | | | 3,438,199 | | | 7,624,655 | | |
| | 04/01/21 | 19,037,526 | | March | | | Pounds Cr | | | | | | |
| 04/01/21 | | 19,039,130 | 2,406 | 76,765 | | | 0.458 | 3,439,060 | | | 7,626,237 | | |
| 04/09/21 | | 19,053,329 | 14,199 | | 8.0 | 0.77 | 0.713 | 3,441,663 | 7.6 | 0.29 | 7,638,396 | 7.8 | 0.62 |
| 04/30/21 | | 19,102,538 | 49,209 | | | | | 3,453,500 | | | 7,678,642 | | |
| | 05/01/21 | 19,103,047 | | April | | | Pounds Cr | | | | | | |
| 05/03/21 | | 19,106,978 | 4,440 | 65,521 | | | 0.389 | 3,454,365 | | | 7,682,550 | | |
| 05/07/21 | | 19,117,383 | 10,405 | | 8.1 | 0.48 | 0.495 | 3,456,545 | 7.7 | 0.45 | 7,691,616 | 7.7 | 0.28 |
| 05/31/21 | | 19,146,522 | 29,139 | | | | | 3,465,305 | | | 7,717,857 | | |
| | 06/01/21 | 19,146,979 | | May | | | Pounds Cr | | | | | | |
| 06/01/21 | | 19,147,993 | 1,471 | 43,932 | | | 0.181 | 3,465,737 | | | 7,719,031 | | |
| 06/04/21 | | 19,151,356 | 3,363 | | | 0.14 | 0.379 | 3,466,606 | 7.5 | 0.25 | 7,721,760 | 7.8 | 0.18 |
| 06/30/21 | | 19,201,059 | 49,703 | | | | | 3,478,422 | | | 7,763,244 | | |
| | 07/01/21 | 19,201,961 | | June | | | Pounds Cr | | | | | | |
| 07/01/21 | | 19,203,673 | 2,614 | 54,982 | | | 0.174 | 3,479,292 | | | 7,765,222 | | |
| 07/09/21 | | 19,234,138 | 30,465 | | 7.9 | 0.53 | 0.477 | 3,485,443 | 7.4 | 0.34 | 7,791,359 | 7.4 | 0.13 |
| 07/30/21 | | 19,296,322 | 62,184 | | | | | 3,501,153 | | | 7,841,853 | | |
| | 08/01/21 | 19,298,052 | | July | | | Pounds Cr | | | | | | |
| 08/02/21 | | 19,299,573 | 3,251 | 96,091 | | | 0.382 | 3,502,015 | | | 7,844,580 | | |
| 08/05/21 | | 19,303,238 | 3,665 | | 7.9 | 0.35 | 0.356 | 3,503,307 | 7.4 | 0.51 | 7,847,295 | 7.5 | 0.10 |
| 08/31/21 | | 19,386,156 | 82,918 | | | | | 3,521,335 | | | 7,917,739 | | |
| | 09/01/21 | 19,387,776 | | August | | | Pounds Cr | | | | | | |
| 09/01/21 | | 19,390,270 | 4,114 | 89,724 | | | 0.266 | 3,522,204 | | | 7,920,922 | | |
| 09/10/21 | | 19,406,508 | 16,238 | | 7.9 | 0.37 | 0.346 | 3,526,537 | 7.4 | 0.33 | 7,934,218 | 7.3 | 0.12 |
| 09/30/21 | | 19,420,173 | 13,665 | | | | | 3,532,626 | | | 7,948,890 | | |
| | 10/01/21 | 19,420,382 | | September | | | Pounds Cr | | | | | | |
| 10/01/21 | | 19,420,522 | 349 | 32,606 | | | 0.094 | 3,532,626 | | | 7,949,274 | | |
| 10/07/21 | | 19,424,997 | 4,475 | | 7.8 | 0.33 | 0.337 | 3,534,360 | 7.4 | 0.55 | 7,952,339 | 7.4 | 0.18 |
| 10/29/21 | | 19,438,681 | 13,684 | | | | | 3,539,176 | | | 7,962,363 | | |
| | 11/01/21 | 19,439,799 | | October | | | Pounds Cr | | | | | | |
| 11/01/21 | | 19,440,130 | 1,449 | 19,417 | | | 0.054 | 3,539,608 | | | 7,963,515 | | |
| 11/05/21 | | 19,442,002 | 1,872 | | 7.8 | 0.32 | 0.320 | 3,540,470 | 7.6 | 0.25 | 7,964,666 | 7.7 | 0.90 |
| 11/30/21 | | 19,453,737 | 11,735 | | | | | 3,544,838 | | | 7,973,129 | | |
| | 12/01/21 | 19,453,737 | | November | | | Pounds Cr | | | | | | |
| 12/01/21 | | 19,453,737 | 0 | 13,938 | | | 0.037 | 3,544,838 | | | 7,973,129 | | |
| 12/10/21 | | 19,456,187 | 2,450 | | 8.3 | 0.39 | 0.452 | 3,546,132 | 7.6 | 0.62 | 7,975,431 | 7.7 | 0.08 |
| 12/29/21 | | 19,474,737 | 18,550 | | | | | | | | | | |
| | 01/01/22 | 19,476,024 | | December | | | Pounds Cr | | | | | | |
| 01/03/22 | | 19,478,802 | 4,065 | 22,287 | | | 0.084 | 3,544,838 | | | 7,973,129 | | |
| 01/07/22 | | 19,481,247 | 2,445 | | 8.3 | 0.71 | 0.702 | 3,553,105 | 8.0 | 0.73 | 7,994,830 | 8.0 | 0.07 |
| 01/31/22 | | 19,491,787 | 10,540 | | | | | 3,557,044 | | | 3,557,044 | | |

TABLE 1 Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|--|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | <i>02/01/22</i> | <i>19,491,787</i> | | January | | | Pounds Cr | | | | | | |
| 02/1/2022** | | 19,491,794 | 7 | 15,763 | | | 0.092 | 14 | | | - | | |
| 02/10/22 | | 19,494,956 | 3,169 | | 8.3 | 0.58 | 0.662 | 1,904 | 8.0 | 0.33 | 884 | 8.2 | 0.06 |
| | <i>03/01/22</i> | <i>19,499,595</i> | | February | | | Pounds Cr | | | | | | |
| 03/03/22 | | 19,500,188 | 5,232 | 7,808 | | | 0.043 | 3,063 | | | 4,987 | | |
| 03/11/22 | | 19,508,636 | 8,448 | | 8.5 | 0.455*** | 0.455 | 3,956 | 7.7 | 0.60 | 12,803 | 7.9 | 0.13 |
| 03/31/22 | | 19,581,712 | 73,076 | | | | | 19,468 | | | 72,327 | | |
| | <i>04/01/22</i> | <i>19,579,886</i> | | March | | | Pounds Cr | | | | | | |
| 04/05/22 | | 19,599,982 | 18,270 | 80,291 | | | 0.304 | 23,346 | | | 87,209 | | |
| 04/08/22 | | 19,619,609 | 19,627 | | 7.9 | 0.16 | 0.167 | 27,567 | 7.8 | 0.42 | 106,399 | 8.0 | 0.10 |
| 04/30/22 | | 19,689,477 | 69,868 | | | | | 40,975 | | | 158,050 | | |
| | <i>05/01/22</i> | <i>19,690,246</i> | | April | | | Pounds Cr | | | | | | |
| 05/02/22 | | 19,692,556 | 3,079 | 110,360 | | | 0.153 | 42,267 | | | 162,963 | | |
| 05/05/22 | | 19,697,175**** | 4,619 | | 8.1 | 0.37 | 0.380 | 44,511 | 7.7 | 0.35 | 166,323 | 8.1 | 0.11 |
| 05/31/22 | | 19,741,670 | | | | | | 53,045 | | | 204,944 | | |
| | <i>06/01/22</i> | <i>19,742,444</i> | | May | | | Pounds Cr | | | | | | |
| 06/01/22 | | 19,743,217 | 1,547 | 52,198 | | | 0.165 | 53,468 | | | 206,128 | | |
| 06/09/22 | | 19,750,545 | 7,328 | | 8.2 | 0.48 | 0.452 | 58,373 | 7.6 | 0.17 | 218,830 | 7.9 | 0.29 |
| 06/30/22 | | 19,807,692 | | | | | | 67,322 | | | 259,616 | | |
| | <i>07/01/22</i> | <i>19,808,308</i> | | June | | | Pounds Cr | | | | | | |
| 07/01/22 | | 19,808,470 | 778 | 65,864 | | | 0.248 | 67,547 | | | 260,174 | | |
| 07/08/22 | | 19,816,966 | 8,496 | | 7.8 | 0.18 | 0.410 | 71,474 | 7.4 | 0.36 | 266,328 | 7.4 | 0.31 |
| 07/31/22 | | 19,842,128 | | | | | | 76,802 | | | 287,644 | | |
| | <i>08/01/22</i> | <i>19,842,522</i> | | July | | | Pounds Cr | | | | | | |
| 08/01/22 | | 19,842,816 | 688 | 34,214 | | | 0.117 | 77,230 | | | 288,031 | | |
| 08/05/22 | | 19,847,646† | 5,124 | | 7.7 | 0.23 | 0.238 | 79,709 | 7.4 | 0.36 | 289,846 | 7.4 | 0.05 |
| 08/25/22 | | 19,895,343 | 47,697 | | | | | 88,045 | | | 329,207 | | |
| 08/31/22 | | 19,897,942 | 2,599 | | | | | 89,759 | | | 333,479 | | |
| | <i>09/01/22</i> | <i>19,898,506</i> | | August | | | Pounds Cr | | | | | | |
| 09/01/22 | | 19,899,069 | 1,127 | 55,984 | | | 0.111 | 90,186 | | | 334,257 | | |
| 09/09/22 | | 19,903,637 | 4,568 | | 7.9 | 0.32 | 0.382 | 91,946 | 7.4 | 0.52 | 338,564 | 7.4 | 0.11 |
| | <i>10/01/22</i> | <i>19,950,290</i> | | September | | | Pounds Cr | | | | | | |
| 10/03/22 | | 19,953,306 | 49,669 | 51,784 | | | 0.165 | 90,186 | | | 334,257 | | |

Italicized red type metered discharge reading was calculated by linear interpolation to 12 midnight.

| Industrial User (Wastewater Discharge) Permit 18-21 Outfall 001 Effluent Limits | | |
|---|---------------------|----------------|
| pH | Hexavalent Chromium | Total Chromium |
| Between 5.0 and 12.4 s.u. | <4.5 mg/L | <7.0 mg/L |

¹ Beginning in September 2018, the Total Chromium lab sample was not filtered. Previously, through August 2018, the sample was filtered (0.45 micron filter).

* On 3/31/18, the MH1 flowmeter face was blank. Upon replacing the batteries, the totalizer reading reverted to 2,472,869 gallons, a difference of -112,848 gallons from the previous known total.

** On 2/1/2022, MH1 and MH2 flowmeters were replaced. Each flowmeter for the manholes was set to 0 during installation.

*** Hexavalent chromium was not analyzed for the March 11, 2022, sampling round. The total chromium concentration was used as a proxy for March 11, 2022, hexavalent chromium concentration.

**** Reading extrapolated based on previous readings due to documentation error. Actual reading documented at 19,690,925.

† Reading extrapolated based on 8/1 and 8/25 remote readings due to documentation error. Actual reading documented at 19,835,361.

TABLE 2
City of Appleton Compliance Limits, Outfall 001

N.W. Mauthe Superfund Site - Appleton, WI

| | | Aluminum (mg/L) | Arsenic (mg/L) | Cadmium (mg/L) | Chromium Total ¹ (mg/L) | Copper (mg/L) | Cyanide (mg/L) | Lead (mg/L) | Mercury (mg/L) | Nickel (mg/L) | Zinc (mg/L) | Hexavalent Chromium (mg/L) |
|----------------------|-------------|--------------------------|-------------------|-------------------|--|------------------|-------------------|----------------|-------------------|------------------|----------------|----------------------------------|
| Permit #18-21 Limits | | 70 | 1.0 | 0.3 | 7.0 | 3.5 | 1.0 | 2.0 | 0.002 | 2.0 | 10.0 | 4.5 |
| Sampler | Sample Date | | | | | | | | | | | |
| CH2M Hill | 02/20/97 | <.02 | <.003 | <.00050 | 0.04 | <.01 | <.00001 | <.005 | <.0002 | <.005 | 0.0051 | <.01 |
| CH2M Hill | 03/24/98 | 0.0152 | <.002 | <.00004 | 0.0637 | <.0095 | <.0017 | <.0006 | <.000015 | <.0095 | 0.0046 | 0.1000 |
| Appleton | 04/29/98 | <.011 | <.002 | <.005 | 0.2200 | <.05 | 0.0020 | <.1 | <.0002 | <.04 | <.005 | NA |
| Appleton | 10/07/98 | <.011 | <.002 | 0.0050 | 0.1700 | <.05 | <.001 | <.1 | <.0002 | <.04 | 0.0250 | NA |
| MCO | 03/18/99 | <.009 | <.003 | <.00031 | NA | .00068**** | <.000032 | <.0024 | <.00005 | .00351**** | <.012 | <.0036 |
| Appleton | 03/18/99 | <.011 | <.002 | <.005 | <.05 | <.05 | 0.0010 | 0.1000 | <.00005 | 0.0400 | 0.0180 | NA |
| Appleton | 09/21/99 | <.011 | <.002 | <.005 | <.05 | <.05 | 0.0030 | <.1 | <.00015 | <.04 | 0.0080 | NA |
| Appleton | 02/15/00 | <.015 | <.0020 | <.005 | 0.0900 | <.05 | <.001 | <.1 | <.00013 | <.04 | 0.0280 | NA |
| MCO | 03/13/00 | <.009 | <.003 | <.00031 | 0.1400 | <.0006 | <.0044 | <.0024 | <.00005 | 0.0012 | <.012 | NA |
| Appleton | 02/21/01 | <.015 | <.002 | <.005 | 0.11 | <.05 | 0.001 | <.1 | <.00013 | <.04 | 0.042 | NA |
| MCO | 03/01/01 | <.034 | <.0027 | .012**** | 0.25 | .0088**** | <.0033 | <.17 | <.00005 | .036**** | 0.015 | <.0036 |
| Appleton | 10/02/01 | 0.016 | <.002 | <.005 | 0.14 | <.05 | <.001 | <.1 | <.00013 | <.04 | 0.065 | NA |
| MCO | 03/19/02 | <.034 | <.0027 | <.0075 | 0.36 | <.0077 | <.0027 | <.17 | <.00005 | <.017 | <.012 | <.0036 |
| Appleton | 05/02/02 | <.049 | <.012 | <.014 | 0.362 | <.015 | <.0014 | <.060 | <.00011 | <.011 | <.009 | NA |
| Appleton | 11/12/02 | 0.027 | <.0082 | <.00053 | 0.23 | <.009 | <.0007 | <.00084 | <.000028 | 0.0044 | 0.0081 | NA |
| Appleton | 02/11/03 | <.027 | <.0082 | <.00053 | 0.086 | <.0009 | <.0014 | <.0013 | <.000028 | 0.0036 | <.0025 | NA |
| Appleton | 03/24/03 | <.045 | <.0027 | <.0088 | 0.13 | 0.075 | <.0050 | <.16 | <.000050 | <.019 | <.0044 | <.0036 |
| Appleton | 10/23/03 | 0.0045 | 0.0013 | <.0001 | 0.221 | <.0008 | <.005 | <.0006 | 0.0002 | <.025 | <.010 | NA |
| Appleton | 03/24/04 | <.050 | <.0026 | <.010 | 0.15 | <.0060 | <.0050 | <.16 | <.000025 | <.020 | <.010 | NA |
| Appleton | 11/09/04 | 0.0071 | <.0012 | <.0001 | 0.04 | 0.0008 | <.005 | <.008 | <.0002 | 0.0013 | <.01 | NA |
| MCO | 08/08/05 | 0.023 | <.0035 | <.0003 | 0.039 | 0.0019 | <.0037 | <.0011 | <.000026 | <.0044 | 0.0024 | <.0005 |
| Appleton | 11/05/06 | 0.0052 | <.0012 | <.0001 | 0.088 | <.0005 | <.005 | <.0008 | <.0002 | 0.0017 | <.010 | NA |
| Appleton | 02/23/06 | 0.0021 | <.0012 | <.0001 | 0.08 | <.0005 | <.0005 | <.0008 | <.0002 | 0.0022 | <.010 | NA |
| MCO | 03/23/06 | <.020 | <.0076 | <.00074 | 0.32 | 0.0018 | 0.0043 | <.0034 | <.000026 | 0.0033 | <.020 | NA |
| Appleton | 06/27/06 | <.0200 | <.0076 | <.00074 | 0.700 | 0.0016 | <.0094 | <.0034 | <.000072 | 0.0021 | <.020 | <.0350 |
| Appleton | 10/05/06 | 0.037 | <.00011 | <.0001 | 4.575 | 0.0068 | 0.01 | <.001 | <.0002 | 0.0026 | <.010 | NA |
| Appleton | 03/22/07 | <.07 | <.07 | <.01 | 1.9 | 3.5 | <.004 | <.03 | <.0002 | <.04 | <.01 | NA |
| MCO | 04/02/07 | 0.0383 | 0.00024 | 0.000086 | 1.41 | 0.0041 | <.0094 | 0.00013 | <.00019 | 0.0035 | 0.009 | NA |
| Appleton | 12/04/07 | <.07 | <.001 | <.01 | 3.4 | <.01 | 0.008 | <.03 | <.0002 | <.04 | <.01 | 1.5 |
| Appleton | 01/16/08 | 0.21 | <.005 | <.01 | <.03 | 0.02 | 0.017 | 0.06 | 0.0003 | <.04 | 0.04 | NA |
| OMNNI | 04/08/08 | 0.0114 | 0.00043 | 0.00011 | 0.864 | 0.0043 | 0.014 J | 0.000095 J | <.0001 | 0.0024 | 0.0071 | 0.063 |
| Appleton | 08/19/08 | <.08 | <.001 | <.01 | 0.95 | <.01 | 0.005 | <.03 | 0.0002 | <.02 | <.01 | NA |
| Appleton | 03/31/09 | <.09 | <.012 | <.01 | 0.99 | <.01 | <.008 | <.05 | <.0002 | <.02 | <.01 | NA |
| OMNNI | 04/07/09 | <.0151 | 0.003 J | 0.00040 J | 0.767 | 0.0024 J | <.0060 | <.0014 | <.00010 | 0.0016 J | 0.0137 J | 0.84 |
| Appleton | 09/22/09 | <.08 | <.006 | <.01 | 2.3 | <.01 | <.008 | <.05 | <.0002 | <.02 | <.01 | NA |
| Appleton | 03/02/10 | <.06 | <.002 | <.01 | 1.6 | <.01 | <.008 | <.03 | <.0002 | <.01 | <.01 | NA |
| OMNNI | 04/06/10 | 0.0501 J | <.0014 | 0.00043 J | 1.16 | 0.0024 J | <.0061 | <.00075 | <.0001 | 0.0023 J | 0.0046 J | 1.3 |
| Appleton | 11/02/10 | <.10 | <.010 | <.01 | 0.71 | <.01 | <.008 | <.03 | <.0002 | <.01 | <.01 | NA |
| Appleton | 02/24/11 | <.08 | <.001 | <.01 | 1.5 | <.01 | 0.008 | <.04 | <.0002 | <.02 | <.01 | NA |
| OMNNI | 04/05/11 | 0.0725 J | 0.0025 J | <.00026 | 0.401 | 0.0028 J | <.0061 | <.0014 | <.00010 | 0.00053 J | 0.0023 J | 0.40 |
| Appleton | 10/26/11 | <.08 | <.005 | <.01 | 1.2 | <.01 | 0.007 | <.04 | <.0002 | <.02 | <.01 | NA |
| Appleton | 03/21/12 | <.11 | <.004 | <.01 | 1.3 | 0.01 | 0.007 | <.04 | <.0002 | <.02 | <.01 | NA |
| Terracon | 04/05/12 | <.0695 | <.0047 | <.00039 | 0.696 | 0.014 J | <.0061 | <.0014 | <.00010 | 0.001 J | <.0053 | 0.83 |
| Appleton | 10/04/12 | 0.0865 | 0.0051 | 0.00049 | 1.43 | 0.0028 J | 0.026 | 0.0022 | 0.0001 | 0.00019 J | <.0053 | NA |
| Terracon | 04/11/13 | 0.078 | <.004 | <.00048 | 0.431 | 0.0024 J | <.0038 | <.027 | <.00010 | 0.00013 J | <.0024 | 0.42 |
| Appleton | 04/17/13 | <.0714 | <.0042 | <.00048 | 0.279 | 0.0029 J | <.0038 | <.027 | <.00010 | 0.00062 J | <.0024 | NA |
| Appleton | 11/20/13 | <.0714 | <.0042 | <.00048 | 1.13 | 0.0018 J | 0.0044 J | <.027 | <.00010 | 0.00085 J | 0.0034 J | NA |
| Appleton | 04/15/14 | 0.119 J | <.0068 | <.001 | 0.27 | 0.0036 J | <.060 | <.0016 | <.00010 | <.0013 | <.0058 | NA |
| Terracon | 05/13/14 | 0.116 J | <.0068 | <.001 | 0.273 | 0.0034 J | <.060 | 0.0040 J | <.00010 | <.0013 | 0.0064 J | 0.28 |
| Appleton | 9/24/2014 | <.0655 | <.0068 | <.001 | 0.757 | <.0034 | <.010 | <.0016 | <.00010 | <.0013 | <.0058 | NA |
| Terracon | 4/15/2015 | 0.054 J | <.0072 | <.00060 | 0.858 | 0.0041 J | <.010 | <.0030 | <.00010 | <.0014 | 0.0026 J | 0.92 |
| Appleton | 6/3/2015 | <.0655 | <.0068 | <.001 | 0.504 | <.0034 | <.020 | <.0016 | <.00010 | 0.0013 J | <.0058 | NA |
| Appleton | 10/21/2015 | 0.105 J | <.0068 | <.0010 | 0.676 | <.0034 | <.010 | 0.0024 J | <.00010 | <.0013 | 0.0078 J | NA |
| Terracon | 5/12/2016 | 0.0637 J | <.0072 | <.00060 | 0.645 | <.0036 | <.0068 | <.0030 | <.00013 | 0.0018 J | <.0013 | 0.70 |
| Appleton | 5/17/2016 | <.090 | <.001 | <.010 | 0.530 | <.010 | <.007 | <.030 | <.0002 | <.020 | <.01 | NA |
| Appleton | 11/1/2016 | <.090 | <.010 | <.010 | 0.560 | <.010 | <.007 | <.030 | <.0002 | <.020 | <.010 | NA |
| Appleton | 4/27/2017 | <.060 | <.001 | <.010 | 0.370 | <.010 | 0.007 | <.030 | <.0002 | <.020 | <.010 | NA |
| Terracon | 6/8/2017 | <.0555 | <.0083 | <.0013 | 0.345 | <.0063 | <.0068 | <.0043 | <.00013 | <.0026 | <.0093 | 0.35 |
| Appleton | 11/9/2017 | <.060 | 0.001 | 0.010 | 0.770 | <.010 | <.007 | <.030 | <.0002 | <.020 | <.010 | NA |
| Appleton | 5/22/2018 | NA | <.015 | <.0006 | 0.319 | 0.005 | 0.010 | <.005 | <.0002 | 0.005 | <.002 | NA |
| Terracon | 6/7/2018 | 0.0713 J | <.0083 | <.0013 | 0.382 | <.0063 | <.014 | <.0043 | <.00013 | <.0026 | <.0093 | 0.38 |
| Appleton | 11/14/2018 | NA | 0.020 | 0.001 | 0.325 | 0.004 | <.009 | <.005 | <.0002 | 0.004 | 0.004 | NA |
| Appleton | 4/18/2019 | NA | <.015 | <.0006 | 0.519 | 0.005 | <.005 | <.009 | <.0002 | 0.005 | <.002 | NA |
| Terracon | 7/10/2019 | NA | 0.0091 J | <.0013 | 0.229 | <.0063 | 0.011 J | 0.006 J | <.00013 | 0.0029 J | <.0116 | 0.25 |
| Appleton | 9/18/2019 | NA | <.015 | <.0006 | 0.003 | 0.005 | <.009 | <.005 | <.0002 | 0.004 | <.002 | NA |
| Appleton | 6/4/2020 | NA | <.028 | <.0006 | 0.295 | 0.008 | <.018 | <.007 | <.0002 | 0.008 | <.009 | NA |
| Terracon | 6/4/2020 | NA | <.0083 | <.013 | 0.282 | <.0034 | <.0069 | <.0059 | <.00084 | <.0026 | <.0116 | 0.28 |
| Appleton | 9/30/2020 | NA | <.028 | <.0004 | 0.520 | 0.005 | <.014 | <.007 | <.0002 | 0.006 | <.004 | NA |
| Appleton | 5/19/2021 | NA | <.028 | <.0004 | 0.271 | 0.003 | <.007 | <.007 | <.0002 | 0.007 | <.004 | NA |
| Terracon | 6/4/2021 | NA | <.0083 | <.013 | 0.379 | 0.006 | <.0069 | <.0059 | <.00066 | <.0026 | 0.0211 J | 0.14 |
| Appleton | 11/5/2021 | NA | <.028 | <.0006 | 0.327 | 0.007 | <.014 | <.007 | <.0002 | 0.007 | <.004 | NA |
| Appleton | 5/5/2022 | NA | <.028 | <.0006 | 0.439 | 0.005 | <.014 | <.007 | <.0002 | 0.008 | <.004 | NA |
| Terracon | 6/9/2022 | NA | <.0083 | <.013 | 0.452 | <.0034 | <.0069 | <.0059 | <.00066 | <.0026 | <.0116 | 0.48 |
| Appleton | 8/5/2022 | Results not yet received | | | | | | | | | | |

J = Estimated concentration detected above the limit of detection and below the limit of quantitation

¹ Beginning in September 2018, the Total Chromium lab sample was not filtered. Previously, through August 2018, the sample was filtered (0.45 micron filter).

July 22, 2022

Scott Hodgson
Terracon, Inc. - Franklin
9856 South 57th Street
Franklin, WI 53132

RE: Project: 58117057 MAUTHE
Pace Project No.: 40247802

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on July 08, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 58117057 MAUTHE

Pace Project No.: 40247802

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 58117057 MAUTHE

Pace Project No.: 40247802

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-------------|--------|----------------|----------------|
| 40247802001 | OUTFALL-001 | Water | 07/08/22 07:00 | 07/08/22 13:15 |

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SAMPLE ANALYTE COUNT

Project: 58117057 MAUTHE
Pace Project No.: 40247802

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-------------|--------------|----------|-------------------|------------|
| 40247802001 | OUTFALL-001 | EPA 6010D | TXW | 1 | PASI-G |
| | | SM 3500-Cr B | EXM | 1 | PASI-G |

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 58117057 MAUTHE
Pace Project No.: 40247802

| Lab Sample ID Method | Client Sample ID Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| 40247802001 | OUTFALL-001 | | | | | |
| EPA 6010D | Chromium | 410 | ug/L | 10.0 | 07/12/22 18:17 | |
| SM 3500-Cr B | Chromium, Hexavalent | 0.18 | mg/L | 0.041 | 07/21/22 10:44 | |

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40247802

Method: EPA 6010D

Description: 6010D MET ICP

Client: Terracon, Inc. - Franklin

Date: July 22, 2022

General Information:

1 sample was analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40247802

Method: SM 3500-Cr B

Description: Chromium, Hexavalent

Client: Terracon, Inc. - Franklin

Date: July 22, 2022

General Information:

1 sample was analyzed for SM 3500-Cr B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58117057 MAUTHE

Pace Project No.: 40247802

Sample: OUTFALL-001 **Lab ID: 40247802001** Collected: 07/08/22 07:00 Received: 07/08/22 13:15 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---|-------|-------|-------|-------|----------------|----------------|-----------|------|
| 6010D MET ICP | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | |
| Chromium | 410 | ug/L | 10.0 | 2.5 | 1 | 07/11/22 11:11 | 07/12/22 18:17 | 7440-47-3 | |
| Chromium, Hexavalent | Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay | | | | | | | | |
| Chromium, Hexavalent | 0.18 | mg/L | 0.041 | 0.012 | 1.667 | | 07/21/22 10:44 | | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58117057 MAUTHE
Pace Project No.: 40247802

| | |
|----------------------------|--|
| QC Batch: 420480 | Analysis Method: EPA 6010D |
| QC Batch Method: EPA 3010A | Analysis Description: 6010D MET |
| | Laboratory: Pace Analytical Services - Green Bay |

Associated Lab Samples: 40247802001

METHOD BLANK: 2421886 Matrix: Water

Associated Lab Samples: 40247802001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Chromium | ug/L | <2.5 | 10.0 | 07/12/22 18:12 | |

LABORATORY CONTROL SAMPLE: 2421887

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chromium | ug/L | 250 | 251 | 100 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2421888 2421889

| Parameter | Units | 2421888 | | 2421889 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | 40247802001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | |
| Chromium | ug/L | 410 | 250 | 250 | 671 | 656 | 104 | 98 | 75-125 | 2 | 20 |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58117057 MAUTHE
Pace Project No.: 40247802

| | |
|-------------------------------|--|
| QC Batch: 421366 | Analysis Method: SM 3500-Cr B |
| QC Batch Method: SM 3500-Cr B | Analysis Description: Chromium, Hexavalent by 3500 |
| | Laboratory: Pace Analytical Services - Green Bay |

Associated Lab Samples: 40247802001

METHOD BLANK: 2426998 Matrix: Water
Associated Lab Samples: 40247802001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------|-------|--------------|-----------------|----------------|------------|
| Chromium, Hexavalent | mg/L | <0.0073 | 0.024 | 07/21/22 10:42 | |

LABORATORY CONTROL SAMPLE: 2426999

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------|-------|-------------|------------|-----------|--------------|------------|
| Chromium, Hexavalent | mg/L | 0.3 | 0.30 | 102 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2427000 2427001

| Parameter | Units | 40247749001 | | 2427000 | | 2427001 | | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------|-------|-------------|----------------|-----------------|-----------|------------|----------|--------------|--------|---------|------|-----------|
| | | MS Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | | | | | MSD % Rec |
| Chromium, Hexavalent | mg/L | <0.0073 | 0.3 | 0.3 | 0.31 | 0.31 | 104 | 105 | 90-110 | 1 | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 58117057 MAUTHE
Pace Project No.: 40247802

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58117057 MAUTHE
Pace Project No.: 40247802

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|-----------------|----------|-------------------|------------------|
| 40247802001 | OUTFALL-001 | EPA 3010A | 420480 | EPA 6010D | 420604 |
| 40247802001 | OUTFALL-001 | SM 3500-Cr B | 421366 | | |

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Terracon
 Branch/Location: Franklin
 Project Contact: Scott Hodgson
 Phone: 414-209-7640
 Project Number: 58117057
 Project Name: Maulhe
 Project State: WI
 Sampled By (Print): Dave Hysman
 Sampled By (Sign): [Signature]
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40247802

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

| Y/N | N | N | | | | | | | | | | | | | | | | |
|--------------------|----------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Pick Letter | D | A | | | | | | | | | | | | | | | | |
| Analyses Requested | Total Chromium | Hox Chromium | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): _____
 Profile #: _____

SAME
 ↓

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

| PACE LAB # | CLIENT FIELD ID | COLLECTION | | MATRIX | Y/N | Pick Letter | Analyses Requested | Total Chromium | Hox Chromium | | | | | | | | | | |
|------------|-----------------|------------|------|--------|-----|-------------|--------------------|----------------|--------------|--|--|--|--|--|--|--|--|--|--|
| | | DATE | TIME | | | | | | | | | | | | | | | | |
| 001 | OUT FALL-001 | 7-8-22 | 7:20 | WW | | | | 1-250 | 1-250 | | | | | | | | | | |

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):

Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: [Signature] Date/Time: 7-8-22/7:30
 Relinquished By: [Signature] Date/Time: 7/8/22 1315
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: [Signature] Date/Time: 7/8/22 0945
 Received By: [Signature] Date/Time: 7/8/22 1315
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 40247802
 Receipt Temp = .6 °C
 Sample Receipt pH OK Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact

Sample Preservation Receipt Form

Client Name: Terracon

Project # 40247802

All containers needing preservation have been checked and noted below: Yes No N/A

Initial when completed: AW Date/Time:

Lab Lot# of pH paper: BD3112 Lab Std #ID of preservation (if pH adjusted):

| Pace Lab # | Glass | | | | | | Plastic | | | | | Vials | | | | | Jars | | | | General | | | VOA Vials (>6mm) * | H2SO4 pH ≤2 | NaOH+Zn Act pH ≥9 | NaOH pH ≥12 | HNO3 pH ≤2 | pH after adjusted | Volume (mL) | | | | | | | | | |
|------------|-------|------|------|------|------|------|---------|------|------|------|------|-------|------|------|------|------|------|------|------|------|---------|------|------|--------------------|-------------|-------------------|-------------|------------|-------------------|-------------|------|------|----|--|--|--|--|---|----------|
| | AG1U | BG1U | AG1H | AG4S | AG4U | AG5U | AG2S | BG3U | BP1U | BP3U | BP3B | BP3N | BP3S | VG9A | DG9T | VG9U | VG9H | VG9M | VG9D | JGFU | JG9U | WGFU | WPFU | | | | | | | | SP5T | ZPLC | GN | | | | | | |
| 001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 2.5/5/10 |
| 002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 005 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 006 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 008 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 009 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 012 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 013 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |
| 020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5/5/10 |


7/18/22 AW

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): Yes No N/A *If yes look in headspace column

| | | | | | | | |
|------|---------------------------|------|------------------------|------|-------------------------|------|-------------------------------|
| AG1U | 1 liter amber glass | BP1U | 1 liter plastic unpres | VG9A | 40 mL clear ascorbic | JGFU | 4 oz amber jar unpres |
| BG1U | 1 liter clear glass | BP3U | 250 mL plastic unpres | DG9T | 40 mL amber Na Thio | JG9U | 9 oz amber jar unpres |
| AG1H | 1 liter amber glass HCL | BP3B | 250 mL plastic NaOH | VG9U | 40 mL clear vial unpres | WGFU | 4 oz clear jar unpres |
| AG4S | 125 mL amber glass H2SO4 | BP3N | 250 mL plastic HNO3 | VG9H | 40 mL clear vial HCL | WPFU | 4 oz plastic jar unpres |
| AG4U | 120 mL amber glass unpres | BP3S | 250 mL plastic H2SO4 | VG9M | 40 mL clear vial MeOH | SP5T | 120 mL plastic Na Thiosulfate |
| AG5U | 100 mL amber glass unpres | | | VG9D | 40 mL clear vial DI | ZPLC | ziploc bag |
| AG2S | 500 mL amber glass H2SO4 | | | | | GN | |
| BG3U | 250 mL clear glass unpres | | | | | | |

Sample Condition Upon Receipt Form (SCUR)

Client Name: Terracon
Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____

Project #: _____
WO# : 40247802

 40247802

Tracking #: _____
Custody Seal on Cooler/Box Present: yes no **Seals intact:** yes no
Custody Seal on Samples Present: yes no **Seals intact:** yes no
Packing Material: Bubble Wrap Bubble Bags None Other
Thermometer Used SR-90 **Type of Ice:** Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: 1 / Corr: 6
Temp Blank Present: yes no **Biological Tissue is Frozen:** yes no
 Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
 Date: 7/18/22 Initials: AL
 Labeled By Initials: JP

| | | |
|--|--|-----------------------------|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 2. <u>no pg# 7/18/22 AL</u> |
| Chain of Custody Relinquished: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 5. |
| - VOA Samples frozen upon receipt | <input type="checkbox"/> Yes <input type="checkbox"/> No | Date/Time: |
| Short Hold Time Analysis (<72hr): | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 7. |
| Sufficient Volume: | | 8. |
| For Analysis: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 9. |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| -Pace IR Containers Used: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 10. |
| Filtered volume received for Dissolved tests | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 11. |
| Sample Labels match COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12. |
| -Includes date/time/ID/Analysis Matrix: | <u>W</u> | |
| Trip Blank Present: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 13. |
| Trip Blank Custody Seals Present | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Pace Trip Blank Lot # (if purchased): | | |

Client Notification/ Resolution: _____
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____
 If checked, see attached form for additional comments

August 15, 2022

Scott Hodgson
Terracon, Inc. - Franklin
9856 South 57th Street
Franklin, WI 53132

RE: Project: 58117057 MAUTHE
Pace Project No.: 40249418

Dear Scott Hodgson:

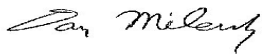
Enclosed are the analytical results for sample(s) received by the laboratory on August 05, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Krista Kroeninger, Terracon, Inc. - Franklin



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 58117057 MAUTHE

Pace Project No.: 40249418

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 58117057 MAUTHE

Pace Project No.: 40249418

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-------------|--------|----------------|----------------|
| 40249418001 | OUTFALL-001 | Water | 08/05/22 07:15 | 08/05/22 14:15 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 58117057 MAUTHE
Pace Project No.: 40249418

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-------------|--------------|----------|-------------------|------------|
| 40249418001 | OUTFALL-001 | EPA 6010D | TXW | 1 | PASI-G |
| | | SM 3500-Cr B | EXM | 1 | PASI-G |

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 58117057 MAUTHE

Pace Project No.: 40249418

| Lab Sample ID Method | Client Sample ID Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| 40249418001 | OUTFALL-001 | | | | | |
| EPA 6010D | Chromium | 238 | ug/L | 10.0 | 08/09/22 18:28 | |
| SM 3500-Cr B | Chromium, Hexavalent | 0.23 | mg/L | 0.041 | 08/15/22 08:40 | |

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40249418

Method: EPA 6010D

Description: 6010D MET ICP

Client: Terracon, Inc. - Franklin

Date: August 15, 2022

General Information:

1 sample was analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40249418

Method: SM 3500-Cr B

Description: Chromium, Hexavalent

Client: Terracon, Inc. - Franklin

Date: August 15, 2022

General Information:

1 sample was analyzed for SM 3500-Cr B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58117057 MAUTHE

Pace Project No.: 40249418

Sample: OUTFALL-001 **Lab ID: 40249418001** Collected: 08/05/22 07:15 Received: 08/05/22 14:15 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|-------------|-------|-------|-------|-------|----------------|----------------|-----------|------|
| 6010D MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | | |
| Chromium | 238 | ug/L | 10.0 | 2.5 | 1 | 08/09/22 05:18 | 08/09/22 18:28 | 7440-47-3 | |
| Chromium, Hexavalent | | | | | | | | | |
| Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay | | | | | | | | | |
| Chromium, Hexavalent | 0.23 | mg/L | 0.041 | 0.012 | 1.667 | | 08/15/22 08:40 | | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58117057 MAUTHE
Pace Project No.: 40249418

| | |
|----------------------------|--|
| QC Batch: 422961 | Analysis Method: EPA 6010D |
| QC Batch Method: EPA 3010A | Analysis Description: 6010D MET |
| | Laboratory: Pace Analytical Services - Green Bay |

Associated Lab Samples: 40249418001

METHOD BLANK: 2436003 Matrix: Water

Associated Lab Samples: 40249418001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Chromium | ug/L | <2.5 | 10.0 | 08/09/22 17:56 | |

LABORATORY CONTROL SAMPLE: 2436004

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chromium | ug/L | 250 | 260 | 104 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436005 2436006

| Parameter | Units | 40249388002 | | 2436006 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Chromium | ug/L | <0.0025 mg/L | 250 | 250 | 253 | 254 | 101 | 102 | 75-125 | 1 | 20 |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58117057 MAUTHE

Pace Project No.: 40249418

QC Batch: 423403

Analysis Method: SM 3500-Cr B

QC Batch Method: SM 3500-Cr B

Analysis Description: Chromium, Hexavalent by 3500

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40249418001

METHOD BLANK: 2438862

Matrix: Water

Associated Lab Samples: 40249418001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------|-------|--------------|-----------------|----------------|------------|
| Chromium, Hexavalent | mg/L | <0.0073 | 0.024 | 08/15/22 08:38 | |

LABORATORY CONTROL SAMPLE: 2438863

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------|-------|-------------|------------|-----------|--------------|------------|
| Chromium, Hexavalent | mg/L | 0.3 | 0.32 | 105 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2438864 2438865

| Parameter | Units | 40249339001 | | 2438864 | | 2438865 | | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------|-------|-------------|----------------|-----------|----------------|-----------|----------------|--------------|-----|---------|------|-------|
| | | MS Result | MS Spike Conc. | MS Result | MS Spike Conc. | MS Result | MS Spike Conc. | | | | | % Rec |
| Chromium, Hexavalent | mg/L | <0.0073 | 0.3 | 0.3 | 0.3 | 0.32 | 0.33 | 106 | 109 | 90-110 | 2 | 20 |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 58117057 MAUTHE
Pace Project No.: 40249418

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58117057 MAUTHE
Pace Project No.: 40249418

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|-----------------|----------|-------------------|------------------|
| 40249418001 | OUTFALL-001 | EPA 3010A | 422961 | EPA 6010D | 423049 |
| 40249418001 | OUTFALL-001 | SM 3500-Cr B | 423403 | | |

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Terracon
 Branch/Location: Franklin
 Project Contact: Scott Hodgson
 Phone: 414-209-7640
 Project Number: 58117057
 Project Name: Mauthe
 Project State: WI
 Sampled By (Print): Dave Hassman
 Sampled By (Sign): [Signature]
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40249418

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

| Y/N | Pick Letter | Analyses Requested | | | | | | | | | | | | | | | | | |
|-----|-------------|--------------------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| N | D | Total Chromium | N | A | | | | | | | | | | | | | | | |
| N | A | Hex Chromium | | | | | | | | | | | | | | | | | |

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): _____
 Profile #: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

| PACE LAB # | CLIENT FIELD ID | COLLECTION | | MATRIX | Y/N | Pick Letter | Analyses Requested | | | | | | | | | | | | | |
|------------|-----------------|------------|------|--------|-----|-------------|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | DATE | TIME | | | | | | | | | | | | | | | | | |
| 001 | OUT FALL-001 | 8-5-22 | 7:15 | WW | | | Total Chromium | | | | | | | | | | | | | |
| | | | | | | | Hex Chromium | | | | | | | | | | | | | |

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want): _____

Relinquished By: [Signature] Date/Time: 8-5-22/8:30
 Relinquished By: [Signature] Date/Time: 8/5/22 1415
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: [Signature] Date/Time: 8/5/22 1625
 Received By: [Signature] Date/Time: 8/5/22
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 40249418
 Receipt Temp = 1.8 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

Sample Preservation Receipt Form

Client Name: Terracon

Project # 40249418

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper: 102311

Lab Std #ID of preservation (if pH adjusted):

Initial when completed: MP Date/Time:

| Pace Lab # | Glass | | | | | | Plastic | | | | | Vials | | | | | Jars | | | | General | | | VOA Vials (>6mm) | H2SO4 pH ≤2 | NaOH+Zn Act pH ≥9 | NaOH pH ≥12 | HNO3 pH ≤2 | pH after adjusted | Volume (mL) | | |
|------------|-------|------|------|------|------|------|---------|------|------|------|------|-------|------|------|------|------|------|------|------|------|---------|------|------|------------------|-------------|-------------------|-------------|------------|-------------------|-------------|--------------|--------------|
| | AG1U | BG1U | AG1H | AG4S | AG4U | AG5U | AG2S | BG3U | BP1U | BP3U | BP3B | BP3N | BP3S | VG9A | DG9T | VG9U | VG9H | VG9M | VG9D | JGFU | JG9U | WGFU | WPFU | | | | | | | | SP5T | ZPLC |
| 001 | | | | | | | | | | - | - | | | | | | | | | | | | | | | | | | | X | | 2.5 / 5 / 10 |
| 002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 005 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 006 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 008 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 009 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 012 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 013 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |
| 020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 / 10 | |

MP
MP
MP

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): Yes No N/A *If yes look in headspace column

| | | | | | | | |
|------|---------------------------|------|------------------------|------|-------------------------|------|-------------------------------|
| AG1U | 1 liter amber glass | BP1U | 1 liter plastic unpres | VG9A | 40 mL clear ascorbic | JGFU | 4 oz amber jar unpres |
| BG1U | 1 liter clear glass | BP3U | 250 mL plastic unpres | DG9T | 40 mL amber Na Thio | JG9U | 9 oz amber jar unpres |
| AG1H | 1 liter amber glass HCL | BP3B | 250 mL plastic NaOH | VG9U | 40 mL clear vial unpres | WGFU | 4 oz clear jar unpres |
| AG4S | 125 mL amber glass H2SO4 | BP3N | 250 mL plastic HNO3 | VG9H | 40 mL clear vial HCL | WPFU | 4 oz plastic jar unpres |
| AG4U | 120 mL amber glass unpres | BP3S | 250 mL plastic H2SO4 | VG9M | 40 mL clear vial MeOH | SP5T | 120 mL plastic Na Thiosulfate |
| AG5U | 100 mL amber glass unpres | | | VG9D | 40 mL clear vial DI | ZPLC | ziploc bag |
| AG2S | 500 mL amber glass H2SO4 | | | | | GN | |
| BG3U | 250 mL clear glass unpres | | | | | | |

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Tennalon

WO#: **40249418**



Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - 107 Type of Ice: Wet Blue Dry None Samples on ice

Cooler Temperature Uncorr: 2 / Corr: 1.8

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
 Date: 8/5/22 / Initials: MP
 Labeled By Initials: AW

| | | |
|--|--|--------------------------------|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 2. <u>Pg#</u> <u>8/5/22 MP</u> |
| Chain of Custody Relinquished: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 5. |
| - VOA Samples frozen upon receipt | <input type="checkbox"/> Yes <input type="checkbox"/> No | Date/Time: |
| Short Hold Time Analysis (<72hr): | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 7. |
| Sufficient Volume: | | 8. |
| For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | | |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 9. |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| -Pace IR Containers Used: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 10. |
| Filtered volume received for Dissolved tests | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 11. |
| Sample Labels match COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12. |
| -Includes date/time/ID/Analysis Matrix: <u>W</u> | | |
| Trip Blank Present: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 13. |
| Trip Blank Custody Seals Present | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Pace Trip Blank Lot # (if purchased): | | |

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

September 23, 2022

Scott Hodgson
Terracon, Inc. - Franklin
9856 South 57th Street
Franklin, WI 53132

RE: Project: 58117057 MAUTHE
Pace Project No.: 40251194

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on September 09, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 58117057 MAUTHE

Pace Project No.: 40251194

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 58117057 MAUTHE
Pace Project No.: 40251194

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-------------|--------|----------------|----------------|
| 40251194001 | OUTFALL-001 | Water | 09/09/22 06:00 | 09/09/22 15:20 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 58117057 MAUTHE

Pace Project No.: 40251194

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-------------|--------------|----------|-------------------|------------|
| 40251194001 | OUTFALL-001 | EPA 6010D | SIS | 1 | PASI-G |
| | | SM 3500-Cr B | SRK | 1 | PASI-G |

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 58117057 MAUTHE

Pace Project No.: 40251194

| Lab Sample ID Method | Client Sample ID Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| 40251194001 | OUTFALL-001 | | | | | |
| EPA 6010D | Chromium | 382 | ug/L | 10.0 | 09/13/22 16:53 | |
| SM 3500-Cr B | Chromium, Hexavalent | 0.32 | mg/L | 0.041 | 09/12/22 12:34 | |

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40251194

Method: EPA 6010D

Description: 6010D MET ICP

Client: Terracon, Inc. - Franklin

Date: September 23, 2022

General Information:

1 sample was analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40251194

Method: SM 3500-Cr B

Description: Chromium, Hexavalent

Client: Terracon, Inc. - Franklin

Date: September 23, 2022

General Information:

1 sample was analyzed for SM 3500-Cr B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58117057 MAUTHE

Pace Project No.: 40251194

Sample: OUTFALL-001 **Lab ID: 40251194001** Collected: 09/09/22 06:00 Received: 09/09/22 15:20 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---|-------|-------|-------|-------|----------------|----------------|-----------|------|
| 6010D MET ICP | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | |
| Chromium | 382 | ug/L | 10.0 | 2.5 | 1 | 09/13/22 05:43 | 09/13/22 16:53 | 7440-47-3 | |
| Chromium, Hexavalent | Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay | | | | | | | | |
| Chromium, Hexavalent | 0.32 | mg/L | 0.041 | 0.012 | 1.667 | | 09/12/22 12:34 | | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58117057 MAUTHE
Pace Project No.: 40251194

| | |
|----------------------------|--|
| QC Batch: 425740 | Analysis Method: EPA 6010D |
| QC Batch Method: EPA 3010A | Analysis Description: 6010D MET |
| | Laboratory: Pace Analytical Services - Green Bay |

Associated Lab Samples: 40251194001

METHOD BLANK: 2451805 Matrix: Water
Associated Lab Samples: 40251194001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Chromium | ug/L | <2.5 | 10.0 | 09/13/22 16:18 | |

LABORATORY CONTROL SAMPLE: 2451806

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chromium | ug/L | 250 | 254 | 102 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2451807 2451808

| Parameter | Units | 40251241023 | | 2451807 | | 2451808 | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|----------------|-----------------|-----------|------------|----------|--------------|-----|---------|------|
| | | Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | | | | |
| Chromium | ug/L | <2.5 | 250 | 250 | 251 | 260 | 100 | 75-125 | 3 | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58117057 MAUTHE
Pace Project No.: 40251194

| | |
|-------------------------------|--|
| QC Batch: 425660 | Analysis Method: SM 3500-Cr B |
| QC Batch Method: SM 3500-Cr B | Analysis Description: Chromium, Hexavalent by 3500 |
| | Laboratory: Pace Analytical Services - Green Bay |

Associated Lab Samples: 40251194001

METHOD BLANK: 2451496 Matrix: Water
Associated Lab Samples: 40251194001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------|-------|--------------|-----------------|----------------|------------|
| Chromium, Hexavalent | mg/L | <0.0073 | 0.024 | 09/12/22 12:33 | |

LABORATORY CONTROL SAMPLE: 2451497

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------|-------|-------------|------------|-----------|--------------|------------|
| Chromium, Hexavalent | mg/L | 0.3 | 0.30 | 101 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2451498 2451499

| Parameter | Units | 2451498 | | 2451499 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------|-------|--------------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|------------|
| | | 40251194001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | MSD Result |
| Chromium, Hexavalent | mg/L | 0.32 | 0.5 | 0.5 | 0.81 | 0.82 | 97 | 100 | 90-110 | 2 | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 58117057 MAUTHE

Pace Project No.: 40251194

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58117057 MAUTHE
Pace Project No.: 40251194

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|-----------------|----------|-------------------|------------------|
| 40251194001 | OUTFALL-001 | EPA 3010A | 425740 | EPA 6010D | 425819 |
| 40251194001 | OUTFALL-001 | SM 3500-Cr B | 425660 | | |

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Terracon
 Branch/Location: Franklin
 Project Contact: Scott Hodgson
 Phone: 414-209-7640
 Project Number: 58117057
 Project Name: Mau the
 Project State: WI
 Sampled By (Print): Dave Hussman
 Sampled By (Sign): [Signature]
 PO #: _____ Regulatory Program: _____



41051194

CHAIN OF CUSTODY

*Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

| Y/N | Pick Letter | Analyses Requested | | | | | | | | | | | | | | | | |
|-----|-------------|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| N | D | Total Chromium | | | | | | | | | | | | | | | | |
| N | A | Hex Chromium | | | | | | | | | | | | | | | | |

Quote #: _____
 Mail To Contact: _____
 Mail To Company: SAME
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____

| CLIENT COMMENTS | LAB COMMENTS (Lab Use Only) | Profile # |
|-----------------|-----------------------------|-----------|
| | | |

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

| PACE LAB # | CLIENT FIELD ID | COLLECTION | | MATRIX | Y/N | Pick Letter | Analyses Requested | Total Chromium | Hex Chromium |
|------------|--------------------|---------------|-------------|-----------|-----|-------------|--------------------|----------------|--------------|
| | | DATE | TIME | | | | | | |
| <u>001</u> | <u>OUTFALL-001</u> | <u>9-9-22</u> | <u>6:00</u> | <u>WW</u> | | | | <u>1-250</u> | <u>250</u> |

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: _____
 Relinquished By: [Signature] Date/Time: 9-9-22/7:00
 Received By: [Signature] Date/Time: 9/9/22/1020

Transmit Prelim Rush Results by (complete what you want):
 Relinquished By: [Signature] Date/Time: 9/9/22 1520
 Received By: [Signature] Date/Time: 1520

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 41051194
 Receipt Temp = 2.1 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Present / Not Present Intact / Not Intact

Client Name: Terracon

Sample Preservation Receipt Form
 Project # 41251194

All containers needing preservation have been checked and noted below:
 Yes No N/A
 Lab Lot# of pH paper: 10D3111

Lab Std #ID of preservation (if pH adjusted):

Initial when completed: MP Date/Time:

| Pace Lab # | Glass | | | | | | Plastic | | | | | | Vials | | | | | Jars | | | | General | | VOA Vials (>6mm) * | H2SO4 pH ≤2 | NaOH+Zn Act pH ≥9 | NaOH pH ≥12 | HNO3 pH ≤2 | pH after adjusted | Volume (mL) | | | |
|------------|-------|------|------|------|------|------|---------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|---------|------|--------------------|-------------|-------------------|-------------|------------|-------------------|-------------|------|---------|---------|
| | AG1U | BG1U | AG1H | AG4S | AG5U | AG2S | BP1U | BP3U | BP3B | BP3N | BP3S | BP2Z | VG9C | DG9T | VG9U | VG9H | VG9M | VG9D | JGFU | JG9U | WGFU | WPFU | SP5T | | | | | | | | ZPLC | GN 1 | GN 2 |
| 001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 |
| 003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 005 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 006 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 008 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 009 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 012 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 013 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |
| 020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.5 / 5 | |

9/9/22
MP


Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:

Headspace in VOA Vials (>6mm): Yes No N/A *If yes look in headspace column

| | | | | | | | |
|------|---------------------------|------|--------------------------|------|-----------------------------|------|-------------------------------|
| AG1U | 1 liter amber glass | BP1U | 1 liter plastic unpres | VG9C | 40 mL clear ascorbic w/ HCl | JGFU | 4 oz amber jar unpres |
| BG1U | 1 liter clear glass | BP3U | 250 mL plastic unpres | DG9T | 40 mL amber Na Thio | JG9U | 9 oz amber jar unpres |
| AG1H | 1 liter amber glass HCL | BP3B | 250 mL plastic NaOH | VG9U | 40 mL clear vial unpres | WGFU | 4 oz clear jar unpres |
| AG4S | 125 mL amber glass H2SO4 | BP3N | 250 mL plastic HNO3 | VG9H | 40 mL clear vial HCL | WPFU | 4 oz plastic jar unpres |
| AG5U | 100 mL amber glass unpres | BP3S | 250 mL plastic H2SO4 | VG9M | 40 mL clear vial MeOH | SP5T | 120 mL plastic Na Thiosulfate |
| AG2S | 500 mL amber glass H2SO4 | BP2Z | 500 mL plastic NaOH + Zn | VG9D | 40 mL clear vial DI | ZPLC | ziploc bag |
| BG3U | 250 mL clear glass unpres | | | | | GN 1 | |
| | | | | | | GN 2 | |

Sample Condition Upon Receipt Form (SCUR)

Client Name: Terralon

Project #:
 WO#: 40251194

 40251194

Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR-108 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr: 2 /Corr: 2.1

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 9/9/22 /Initials: MP
 Labeled By Initials: ck

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

| | | |
|--|--|-------------------------|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 2. <u>pg# 9/9/22 MP</u> |
| Chain of Custody Relinquished: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 5. |
| - DI VOA Samples frozen upon receipt | <input type="checkbox"/> Yes <input type="checkbox"/> No | Date/Time: |
| Short Hold Time Analysis (<72hr): | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 7. |
| Sufficient Volume: | | 8. |
| For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | | |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 9. |
| Correct Type: Pace Green Bay, Pace IR, Non-Pace | | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 10. |
| Filtered volume received for Dissolved tests | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 11. |
| Sample Labels match COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12. |
| -Includes date/time/ID/Analysis Matrix: <u>W</u> | | |
| Trip Blank Present: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 13. |
| Trip Blank Custody Seals Present | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Pace Trip Blank Lot # (if purchased): | | |

Client Notification/ Resolution: _____
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____
 If checked, see attached form for additional comments

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir
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