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January 12, 2024

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

Attn: Mr. Brian Kreski (electronic)
E: Brian.Kreski@Appleton.org
Phone: (920) 832-2353
Mobile: (920) 419-0649

Re: 2023 Fourth Quarter Compliance Monitoring Report, Industrial User
(Wastewater Discharge) Permit #21-24
N.W. Mauthe Superfund Site
725 S. Outagamie Street
Appleton, Wisconsin
BRRS ID # 02-45-000127
Terracon Project No. 58117057

Dear Brian:

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 October 1, 2023, through December 31, 2023, 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 not collected by either the City of Appleton or Terracon. 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 2023 sampling events.

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 dissolved chromium. The laboratory analytic test reports and chain-of-custody record for each of the three monthly sampling rounds (October, November, and December 2023) 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 109,910 gallons with a mean daily flow of approximately 1,194 gallons per day. Based on the laboratory results, there were no exceedances during this reporting period from Outfall 001.

Dave M. Hassman and/or Rachel Slonac performed all 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."

If you have questions regarding the attached invoice or system operation, please contact our office at (414) 423-0255 or contact Scott directly at (414) 209-7640 (email Scott.Hodgson@terracon.com) if you have any questions or comments regarding the information provided or need additional information.

Sincerely,
Terracon Consultants, Inc.

Scott A. Hodgson, P.G.
Senior Project Manager

Attachments: Table 1
Table 2
Laboratory Analytic Test Reports

Copies to: Gwen Saliaras, WDNR-Oshkosh (electronic)
File (electronic)

SAH:sah/N:\PROJECTS\2011\58117057\WORKING FILES\PRE-TREATMENT PERMIT\PROCESS COMPLIANCE REPORTS\TERRACON
2023\THIRD QUARTER\THIRD QUARTER 2023 PROCESS COMPLIANCE.DOCX

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 | | | | 622,006 | | | 1,428,648 | | |
| 12/07/10 | | 10,800,013 | 0 | | 7.6 | 1.0 | 0.989 | 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 | 6,383 | | | | | 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) |
| | <i>11/01/11</i> | <i>11,607,509</i> | | 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 | | |
| | <i>12/01/11</i> | <i>11,689,609</i> | | 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 | | |
| | <i>01/01/12</i> | <i>11,742,204</i> | | 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 | | |
| | <i>02/01/12</i> | <i>11,761,228</i> | | 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 | | |
| | <i>03/01/12</i> | <i>11,783,379</i> | | 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 | | |
| | <i>04/01/12</i> | <i>11,865,023</i> | | 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 | | |
| | <i>05/01/12</i> | <i>11,923,538</i> | | 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 | | |
| | <i>06/01/12</i> | <i>12,029,342</i> | | 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 | | |
| | <i>07/01/12</i> | <i>12,057,998</i> | | 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 | 14,980,917 | | 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) |
| 06/07/23 | | | | | 8.1 | 0.17 | 0.182 | | 7.4 | 0.08 | | | 0.04 |
| 06/30/23 | | 20,552,149 | | | | | | 234,365 | | | 857,812 | 7.8 | |
| | <i>07/01/23</i> | <i>20,552,482</i> | | June | | | Pounds Cr | | | | | | |
| 07/01/23 | | 20,552,933 | 784 | 27,437 | | | 0.042 | 234,798 | | | 858,199 | | |
| 07/06/23 | | | | | 7.9 | 0.30 | 0.322 | | 7.5 | 0.28 | | 7.7 | 0.10 |
| 07/27/23 | | 20,565,082 | 12,149 | | | | | 240,461 | | | 867,481 | | |
| 07/31/23 | | 20,570,224 | | | | | | 241,757 | | | 872,497 | | |
| | <i>08/01/23</i> | <i>20,570,562</i> | | July | | | Pounds Cr | | | | | | |
| 08/01/23 | | 20,570,964 | 740 | 18,080 | | | 0.048 | 242,190 | | | 872,882 | | |
| 08/16/23 | | | | | 8.0 | 0.27 | 0.271 | | 7.4 | 0.30 | | 7.7 | 0.19 |
| 08/24/23 | | 20,597,204 | 26,240 | | | | | 249,566 | | | 896,166 | | |
| 08/31/23 | | 20,604,402 | | | | | | 251,292 | | | 899,248 | | |
| | <i>09/01/23</i> | <i>20,604,402</i> | | August | | | Pounds Cr | | | | | | |
| 09/01/23 | | 20,604,402 | 0 | 33,840 | | | 0.076 | 251,292 | | | 899,248 | | |
| 09/12/23 | | 20,616,863 | 12,461 | | 7.8 | 0.32 | 0.367 | 256,129 | 6.8 | 0.41 | 907,388 | 6.8 | 0.21 |
| 09/30/23 | | 20,618,782 | | | | | | 256,992 | | | 908,542 | | |
| | <i>10/01/23</i> | <i>20,618,782</i> | | September | | | Pounds Cr | | | | | | |
| 10/01/23 | | 20,618,782 | 0 | 14,380 | | | 0.044 | 256,992 | | | 908,542 | | |
| 10/11/23 | | | | | 7.3 | 0.35 | 0.394 | | 6.7 | 0.56 | | 6.7 | 0.13 |
| 10/20/23 | | 20,634,566 | 15,784 | | | | | 261,000 | | | 922,506 | | |
| 10/31/23 | | 20,664,878 | 30,312 | | | | | 265,787 | | | 949,555 | | |
| | <i>11/01/23</i> | <i>20,665,389</i> | | October | | | Pounds Cr | | | | | | |
| 11/01/23 | | 20,665,973 | 1,095 | 46,607 | | | 0.153 | 266,221 | | | 950,331 | | |
| 11/09/23 | | 20,680,175 | 14,202 | | 8.5 | 0.34 | 0.324 | 269,338 | 7.6 | 0.99 | 962,052 | 7.4 | 0.32 |
| 11/30/23 | | 20,703,220 | 23,045 | | | | | 275,852 | | | 979,869 | | |
| | <i>12/01/23</i> | <i>20,703,380</i> | | November | | | Pounds Cr | | | | | | |
| 12/01/23 | | 20,703,549 | 329 | 37,991 | | | 0.102 | 275,852 | | | 980,277 | | |
| 12/04/23 | | | | | 7.4 | 0.55 | 0.612 | | 7.1 | 0.76 | | 7.3 | 0.13 |
| | <i>01/01/24</i> | <i>20,728,692</i> | | December | | | Pounds Cr | | | | | | |
| 01/04/24 | | 20,728,928 | 25,379 | 25,312 | | | 0.129 | 283,376 | | | 999,475 | | |
| 01/04/24 | | | | | 8.3 | | | 283,376 | 7.8 | 0.64 | 999,475 | 7.7 | 0.07 |

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.



October 19, 2023

Scott Hodgson
Terracon, Inc. - Milwaukee
4900 S Pennsylvania Ave Ste100
Cudahy, WI 53110

RE: Project: 58117057 MAUTHE
Pace Project No.: 40269336

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 2023. 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,

A handwritten signature in black ink that reads "Dan Milewsky".

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.: 40269336

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

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 58117057 MAUTHE
Pace Project No.: 40269336

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-------------|--------|----------------|----------------|
| 40269336001 | OUTFALL-001 | Water | 10/11/23 08:26 | 10/11/23 10:25 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 58117057 MAUTHE
Pace Project No.: 40269336

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-------------|--------------|----------|-------------------|------------|
| 40269336001 | OUTFALL-001 | EPA 6010D | SIS | 1 | PASI-G |
| | | SM 3500-Cr B | HNT | 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.: 40269336

| Lab Sample ID Method | Client Sample ID Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| 40269336001 | OUTFALL-001 | | | | | |
| EPA 6010D | Chromium | 394 | ug/L | 10.0 | 10/12/23 16:25 | |
| SM 3500-Cr B | Chromium, Hexavalent | 0.35 | mg/L | 0.061 | 10/16/23 11:25 | |

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58117057 MAUTHE
Pace Project No.: 40269336

Method: EPA 6010D
Description: 6010D MET ICP
Client: Terracon, Inc. - Milwaukee
Date: October 19, 2023

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.: 40269336

Method: SM 3500-Cr B

Description: Chromium, Hexavalent

Client: Terracon, Inc. - Milwaukee

Date: October 19, 2023

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.: 40269336

Sample: **OUTFALL-001** Lab ID: **40269336001** Collected: 10/11/23 08:26 Received: 10/11/23 10:25 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 | 394 | ug/L | 10.0 | 2.5 | 1 | 10/12/23 06:14 | 10/12/23 16:25 | 7440-47-3 | |
| Chromium, Hexavalent | Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay | | | | | | | | |
| Chromium, Hexavalent | 0.35 | mg/L | 0.061 | 0.018 | 2.5 | | 10/16/23 11:25 | | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58117057 MAUTHE

Pace Project No.: 40269336

QC Batch: 457264

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40269336001

METHOD BLANK: 2625899

Matrix: Water

Associated Lab Samples: 40269336001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Chromium | ug/L | <2.5 | 10.0 | 10/12/23 15:54 | |

LABORATORY CONTROL SAMPLE: 2625900

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chromium | ug/L | 250 | 258 | 103 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2625901 2625902

| Parameter | Units | 2625901 | | 2625902 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | 40269298012 | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | |
| Chromium | ug/L | 3.4J | 250 | 250 | 257 | 264 | 101 | 104 | 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.: 40269336

QC Batch: 457582

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: 40269336001

METHOD BLANK: 2628090

Matrix: Water

Associated Lab Samples: 40269336001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------|-------|--------------|-----------------|----------------|------------|
| Chromium, Hexavalent | mg/L | <0.0073 | 0.024 | 10/16/23 11:23 | |

LABORATORY CONTROL SAMPLE: 2628091

| 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: 2628092 2628093

| Parameter | Units | 2628092 | | 2628093 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------|-------|--------------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|------------|
| | | 40269059002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | MSD Result |
| Chromium, Hexavalent | mg/L | <0.37 | 15 | 15 | 13.7 | 13.7 | 91 | 92 | 90-110 | 0 | 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.: 40269336

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.

DL - Adjusted Method Detection Limit.

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.: 40269336

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|-----------------|----------|-------------------|------------------|
| 40269336001 | OUTFALL-001 | EPA 3010A | 457264 | EPA 6010D | 457345 |
| 40269336001 | OUTFALL-001 | SM 3500-Cr B | 457582 | | |

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40209336

ALL SHADED AREAS are for LAB USE ONLY

Company: **Terracon**
 Address: **4900 S. Pennsylvania Ave, Suite 100, Cudahy, WI**
 Report To: **Scott Hodgson**
 Email To: **Scott.Hodgson@Terracon.com**
 Copy To:
 Customer Project Name/Number: **Mantue 158117057**
 State: **WI** County/City: **Appleton** Time Zone Collected: [] PT [] MT [] ET [] ET
 Phone: Site/Facility ID #: Compliance Monitoring? [] Yes [] No
 Email:
 Collected By (print): **Rachel Stonac** Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
 Collected By (signature): *Rachel Stonac* Turnaround Date Required: **Standard** Immediately Packed on Ice: Yes [] No
 Sample Disposal: Dispose as appropriate [] Return [] Archive: [] Hold: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)
 Field Filtered (if applicable): [] Yes [] No Analysis:

Container Preservative Type **
 Lab Project Manager:
 ** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

| Analyses | | Lab Profile/Line: |
|----------------|--------------|--|
| Total Chromium | Hex Chromium | Lab Sample Receipt Checklist: |
| | | Custody Seals Present/Intact Y N NA Custody Signatures Present Y N NA Collector Signature Present Y N NA Bottles Intact Y N NA Correct Bottles Y N NA Sufficient Volume Y N NA Samples Received on Ice Y N NA VOA - Headspace Acceptable Y N NA USDA Regulated Soils Y N NA Samples in Holding Time Y N NA Residual Chlorine Present Y N NA Cl Strips: Y N NA Sample pH Acceptable Y N NA pH Strips: Y N NA Sulfide Present Y N NA Lead Acetate Strips: Y N NA LAB USE ONLY: Lab Sample # / Comments: |

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) | | Composite End | | Res Cl | # of Ctns |
|--------------------|-----------|-------------|--------------------------------|------------|---------------|------|--------|-----------|
| | | | Date | Time | Date | Time | | |
| Outfall-001 | WW | G | 10-11-23 | 826 | | | | 2 |
| | | | | | | | | |
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| | | | | | | | | |

Customer Remarks / Special Conditions / Possible Hazards:
 Type of Ice Used: Wet Blue Dry None
 Packing Material Used: *(Handwritten mark)*
 Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A
 Lab Tracking #: **2909138**
 Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
 Temp Blank Received: Y N NA
 Therm ID#: **1099**
 Cooler 1 Temp Upon Receipt: **1.0** °C
 Cooler 1 Therm Corr. Factor: °C
 Cooler 1 Corrected Temp: **1.0** °C
 Comments:

Relinquished by/Company: (Signature) *Rachel Stonac / Terracon* Date/Time: **10/11/2023 1025**
 Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) *Scott Hodgson* Date/Time: **10/11/23 1025**
 Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:

MTJL LAB USE ONLY
 Table #:
 Acctnum:
 Template:
 Prelogin:
 PM:
 PB:

Trip Blank Received: Y N NA
 HCL MeOH TSP Other
 Non Conformance(s): Page 13 of 15
 YES / NO of: **1**

Sample Preservation Receipt Form

Client Name: Terracora

Project # 40269336

All containers needing preservation have been checked and noted below.

Yes No N/A

Lab Lot# of pH paper: 1002723

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

Initial when completed: [Signature]

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 | BG3U | BP1U | BP3U | BP3B | BP3N | BP3S | BP2Z | VG9C | DG9T | VG9U | VG9H | VG9M | VG9D | JGFU | JG9U | WGFU | WPFU | | | | | | | | SP5T | ZPLC |
| 001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | 2.5 / 5 |
| 002 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 003 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 004 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 005 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 006 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 007 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 008 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 009 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 010 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 011 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 012 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 013 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 014 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 015 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 016 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 017 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 018 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 019 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 020 | VOA 5/1/11/11/23 [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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)

Project #:

Client Name: Terracon

WO#: **40269336**

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 - 109 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr: 1.0 ICorr: 1.0

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: 10/16/23 / Initials: SG

Labeled By Initials: mt

| | |
|--|------------|
| 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| 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: <u>Green Bay</u> , 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: _____ 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 log in



November 27, 2023

Scott Hodgson
Terracon, Inc. - Milwaukee
4900 S Pennsylvania Ave Ste100
Cudahy, WI 53110

RE: Project: 58117057 MAUTHE
Pace Project No.: 40270830

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on November 09, 2023. 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,

A handwritten signature in black ink that reads "Dan Milewsky".

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.: 40270830

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

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 58117057 MAUTHE
Pace Project No.: 40270830

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-------------|--------|----------------|----------------|
| 40270830001 | OUTFALL-001 | Water | 11/09/23 08:55 | 11/09/23 14:45 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 58117057 MAUTHE
Pace Project No.: 40270830

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-------------|--------------|----------|-------------------|------------|
| 40270830001 | OUTFALL-001 | EPA 6010D | SIS | 1 | PASI-G |
| | | SM 3500-Cr B | HNT | 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.: 40270830

| Lab Sample ID Method | Client Sample ID Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| 40270830001 | OUTFALL-001 | | | | | |
| EPA 6010D | Chromium, Dissolved | 324 | ug/L | 10.0 | 11/13/23 14:39 | |
| SM 3500-Cr B | Chromium, Hexavalent | 0.34 | mg/L | 0.061 | 11/27/23 11:13 | |

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40270830

Method: EPA 6010D

Description: 6010D MET ICP, Dissolved

Client: Terracon, Inc. - Milwaukee

Date: November 27, 2023

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.

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.: 40270830

Method: SM 3500-Cr B

Description: Chromium, Hexavalent

Client: Terracon, Inc. - Milwaukee

Date: November 27, 2023

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.: 40270830

Sample: **OUTFALL-001** Lab ID: **40270830001** Collected: 11/09/23 08:55 Received: 11/09/23 14:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---------------------------------|---|-------|-------|-------|-----|----------|----------------|-----------|------|
| 6010D MET ICP, Dissolved | Analytical Method: EPA 6010D Pace Analytical Services - Green Bay | | | | | | | | |
| Chromium, Dissolved | 324 | ug/L | 10.0 | 2.5 | 1 | | 11/13/23 14:39 | 7440-47-3 | |
| Chromium, Hexavalent | Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay | | | | | | | | |
| Chromium, Hexavalent | 0.34 | mg/L | 0.061 | 0.018 | 2.5 | | 11/27/23 11:13 | | |

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QUALITY CONTROL DATA

Project: 58117057 MAUTHE

Pace Project No.: 40270830

| | |
|----------------------------|--|
| QC Batch: 460112 | Analysis Method: EPA 6010D |
| QC Batch Method: EPA 6010D | Analysis Description: ICP Metals, Trace, Dissolved |
| | Laboratory: Pace Analytical Services - Green Bay |

Associated Lab Samples: 40270830001

METHOD BLANK: 2642243 Matrix: Water

Associated Lab Samples: 40270830001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------|-------|--------------|-----------------|----------------|------------|
| Chromium, Dissolved | ug/L | <2.5 | 10.0 | 11/13/23 14:15 | |

LABORATORY CONTROL SAMPLE: 2642244

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------|-------|-------------|------------|-----------|--------------|------------|
| Chromium, Dissolved | ug/L | 250 | 253 | 101 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2642245 2642246

| Parameter | Units | 2642245 | | 2642246 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---------------------|-------|--------------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | 40270828022 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | |
| Chromium, Dissolved | ug/L | 2.6J | 250 | 250 | 238 | 239 | 94 | 95 | 75-125 | 0 | 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.

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QUALITY CONTROL DATA

Project: 58117057 MAUTHE

Pace Project No.: 40270830

QC Batch: 461226

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: 40270830001

METHOD BLANK: 2648268

Matrix: Water

Associated Lab Samples: 40270830001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------|-------|--------------|-----------------|----------------|------------|
| Chromium, Hexavalent | mg/L | <0.0073 | 0.024 | 11/27/23 11:13 | |

LABORATORY CONTROL SAMPLE: 2648269

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------|-------|-------------|------------|-----------|--------------|------------|
| Chromium, Hexavalent | mg/L | 0.3 | 0.31 | 102 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2648270 2648271

| Parameter | Units | 2648270 | | 2648271 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------|-------|--------------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|------------|
| | | 40270830001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | MSD Result |
| Chromium, Hexavalent | mg/L | 0.34 | 0.75 | 0.75 | 1.1 | 1.1 | 103 | 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.

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QUALIFIERS

Project: 58117057 MAUTHE

Pace Project No.: 40270830

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.

DL - Adjusted Method Detection Limit.

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.: 40270830

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|-----------------|----------|-------------------|------------------|
| 40270830001 | OUTFALL-001 | EPA 6010D | 460112 | | |
| 40270830001 | OUTFALL-001 | SM 3500-Cr B | 461226 | | |

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40270830

ALL SHADED AREAS are for LAB USE ONLY

Company: Terracon

Billing Information:

Address: 4900 S. Pennsylvania Ave, Suite 100, Cudahy, WI

Report To: Scott Hodgson

Email To: Scott.Hodgson@Terracon.com

Copy To:

Site Collection Info/Address:

Customer Project Name/Number: Mauthe 58117057

State: WI County/City: Appleton Time Zone Collected: [] PT [] MT [] CT [] ET

Phone: Email:

Site/Facility ID #: Compliance Monitoring? [] Yes [] No

Collected By (print): Rachel Slorac

Purchase Order #: Quote #:

Collected By (signature): Rachel Slorac

Turnaround Date Required: Standard

Sample Disposal: [X] Dispose as appropriate [] Return [] Archive: [] Hold:

Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)

Field Filtered (if applicable): [] Yes [] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) | | Composite End | | Res Cl | # of Ctns |
|--------------------|----------|-------------|--------------------------------|------|---------------|------|--------|-----------|
| | | | Date | Time | Date | Time | | |
| Outfall-001 | WW | G | 11/9/23 | 855 | | | 2 | |
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Container Preservative Type ** Lab Project Manager: ** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

| Analyses | | | | | | | | Lab Profile/Line: | |
|----------|--|--|--|--|--|--|--|---|--|
| X | | | | | | | | Lab Sample Receipt Checklist: Custody Signatures Present Y N NA Collector Signature Present Y N NA Bottles Intact Y N NA Correct Bottles Y N NA Sufficient Volume Y N NA Samples Received on Ice Y N NA VOA - Headspace Acceptable Y N NA USDA Regulated Soils Y N NA Samples in Holding Time Y N NA Residual Chlorine Present Y N NA Cl Strips: _____ Sample pH Acceptable Y N NA pH Strips: _____ Sulfide Present Y N NA Lead Acetate Strips: _____ LAB USE ONLY: Lab Sample # / Comments: 001 | |
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Customer Remarks / Special Conditions / Possible Hazards: Type of Ice Used: Wet Blue Dry None Packing Material Used: Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A Lab Tracking #: 2897339 Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info: Temp Blank Received: Y N NA Therm ID#: Cooler 1 Temp Upon Receipt: oC Cooler 1 Therm Corr. Factor: oC Cooler 1 Corrected Temp: oC

Relinquished by/Company: (Signature) Date/Time: 11/9/23 9:10

Received by/Company: (Signature) Date/Time: 11/9/23 1445

Received by/Company: (Signature) Date/Time: 11/9/23 1445

Relinquished by/Company: (Signature) Date/Time: 11/9/23 0940

Relinquished by/Company: (Signature) Date/Time: 11/9/23 1445

Table #: Acctnum: Template: Prelogin: PM: PB:

Trip Blank Received: Y N NA HCL MeOH TSP Other Non Conformance(s): YES / NO Page: 13 of 15

Effective Date: 8/16/2022

Client Name: Terracon

Sample Preservation Receipt Form

Project # 40270830

All containers needing preservation have been checked and noted below.

Lab Lot# of pH paper.

Yes No N/A
TDD0134

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

Initial when completed SKW 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 |
| 001 | | | | | | | | / | | / | | | | | | | | | | | | | | | | | | | X | | 2.5 / 5 |
| 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 | |

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: Terracon

Project #:

WO#: 40270830



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 - 117 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr: 0.0 /Corr: 0.5

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

Person examining contents:
 Date: 11/09/23 /Initials: SKW
 Labeled By Initials: JK

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>Billing</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: <u>Pace Green Bay</u> 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: _____ 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



December 12, 2023

Scott Hodgson
Terracon, Inc. - Milwaukee
4900 S Pennsylvania Ave Ste100
Cudahy, WI 53110

RE: Project: 58117057 MAUTHE
Pace Project No.: 40271680

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on December 04, 2023. 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.: 40271680

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

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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SAMPLE SUMMARY

Project: 58117057 MAUTHE
Pace Project No.: 40271680

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-------------|--------|----------------|----------------|
| 40271680001 | OUTFALL-001 | Water | 12/04/23 08:15 | 12/04/23 12:20 |

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SAMPLE ANALYTE COUNT

Project: 58117057 MAUTHE
Pace Project No.: 40271680

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-------------|--------------|----------|-------------------|------------|
| 40271680001 | OUTFALL-001 | EPA 6010D | SIS | 1 | PASI-G |
| | | SM 3500-Cr B | HNT | 1 | PASI-G |

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 58117057 MAUTHE

Pace Project No.: 40271680

| Lab Sample ID Method | Client Sample ID Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| 40271680001 | OUTFALL-001 | | | | | |
| EPA 6010D | Chromium | 612 | ug/L | 10.0 | 12/05/23 15:54 | |
| SM 3500-Cr B | Chromium, Hexavalent | 0.55 | mg/L | 0.061 | 12/12/23 11:05 | |

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40271680

Method: EPA 6010D

Description: 6010D MET ICP

Client: Terracon, Inc. - Milwaukee

Date: December 12, 2023

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.: 40271680

Method: SM 3500-Cr B

Description: Chromium, Hexavalent

Client: Terracon, Inc. - Milwaukee

Date: December 12, 2023

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.: 40271680

Sample: **OUTFALL-001** Lab ID: **40271680001** Collected: 12/04/23 08:15 Received: 12/04/23 12:20 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 | 612 | ug/L | 10.0 | 2.5 | 1 | 12/05/23 05:34 | 12/05/23 15:54 | 7440-47-3 | |
| Chromium, Hexavalent | Analytical Method: SM 3500-Cr B Pace Analytical Services - Green Bay | | | | | | | | |
| Chromium, Hexavalent | 0.55 | mg/L | 0.061 | 0.018 | 2.5 | | 12/12/23 11:05 | | |

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QUALITY CONTROL DATA

Project: 58117057 MAUTHE

Pace Project No.: 40271680

QC Batch: 461891

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40271680001

METHOD BLANK: 2651113

Matrix: Water

Associated Lab Samples: 40271680001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Chromium | ug/L | <2.5 | 10.0 | 12/05/23 15:29 | |

LABORATORY CONTROL SAMPLE: 2651114

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2651115 2651116

| Parameter | Units | 2651115 | | 2651116 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | 10675760002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | |
| Chromium | ug/L | <10.0 | 250 | 250 | 255 | 258 | 101 | 103 | 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.

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QUALITY CONTROL DATA

Project: 58117057 MAUTHE

Pace Project No.: 40271680

QC Batch: 462556

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: 40271680001

METHOD BLANK: 2654404

Matrix: Water

Associated Lab Samples: 40271680001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------|-------|--------------|-----------------|----------------|------------|
| Chromium, Hexavalent | mg/L | <0.0073 | 0.024 | 12/12/23 10:40 | |

LABORATORY CONTROL SAMPLE: 2654405

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------|-------|-------------|------------|-----------|--------------|------------|
| Chromium, Hexavalent | mg/L | 0.3 | 0.29 | 97 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2654406 2654407

| Parameter | Units | 2654406 | | 2654407 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Chromium, Hexavalent | mg/L | <0.0073 | 0.3 | 0.29 | 0.30 | 97 | 98 | 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.

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QUALIFIERS

Project: 58117057 MAUTHE

Pace Project No.: 40271680

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 - The reported result is an estimated value.

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.

DL - Adjusted Method Detection Limit.

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 - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58117057 MAUTHE
Pace Project No.: 40271680

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|-----------------|----------|-------------------|------------------|
| 40271680001 | OUTFALL-001 | EPA 3010A | 461891 | EPA 6010D | 461952 |
| 40271680001 | OUTFALL-001 | SM 3500-Cr B | 462556 | | |

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40271680

ALL SHADED AREAS are for LAB USE ONLY

Company: **Terracon**
 Address: **4400 S. Pennsylvania Ave, Suite 100, Cudahy, WI**
 Report To: **Scott Hodgson**
 Billing Information:
 Email To: **Scott.Hodgson@terracon.com**
 Site Collection Info/Address:

Container Preservative Type **
 Lab Project Manager:
 ** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Customer Project Name/Number: **Mantue 58117057**
 State: **WI** County/City: **Appleton** Time Zone Collected: **[] PT [] MT [X] ET [] ET**
 Phone: Site/Facility ID #: Compliance Monitoring? [] Yes [] No
 Email: Purchased By (print): **Rachel Stonac** Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
 Collected By (signature): **Rachel Stonac** Turnaround Date Required: Immediately Packed on Ice: [X] Yes [] No
 Sample Disposal: [] Dispose as appropriate [] Return [] Archive: [] Hold: Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [] Yes [] No
 Analysis:

| Analyses | | Lab Profile/Line: |
|----------|--|---|
| | | Lab Sample Receipt Checklist: |
| | | Custody Seals Present/Intact Y N NA |
| | | Custody Signatures Present Y N NA |
| | | Collector Signature Present Y N NA |
| | | Bottles Intact Y N NA |
| | | Correct Bottles Y N NA |
| | | Sufficient Volume Y N NA |
| | | Samples Received on Ice Y N NA |
| | | VOA - Headspace Acceptable Y N NA |
| | | USDA Regulated Soils Y N NA |
| | | Samples in Holding Time Y N NA |
| | | Residual Chlorine Present Y N NA |
| | | Cl Strips: _____ |
| | | Sample pH Acceptable Y N NA |
| | | pH Strips: _____ |
| | | Sulfide Present Y N NA |
| | | Lead Acetate Strips: _____ |
| | | LAB USE ONLY: Lab Sample # / Comments: |

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) | | Composite End | | Res Cl | # of Ctns |
|--------------------|-----------|-------------|--------------------------------|------------|---------------|------|--------|-----------|
| | | | Date | Time | Date | Time | | |
| Outfall-001 | WW | G | 12.4.23 | 815 | | | | 2 |
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X Total Chromium
X Hex Chromium

Lab Sample # 001
SW 12/4/23

Customer Remarks / Special Conditions / Possible Hazards: Type of Ice Used: Wet Blue Dry None
 Packing Material Used: ①
 Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A
 Lab Tracking #: **2781824**
 Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
 Temp Blank Received: Y N NA
 Therm ID#: _____
 Cooler 1 Temp Upon Receipt: _____ °C
 Cooler 1 Therm Corr. Factor: _____ °C
 Cooler 1 Corrected Temp: _____ °C
 Comments:

Relinquished by/Company: (Signature) **[Signature]** Date/Time: **12/4/23 820**
 Relinquished by/Company: (Signature) **E. J. Pace** Date/Time: **12/4/23 1220**
 Relinquished by/Company: (Signature) _____ Date/Time: _____

Received by/Company: (Signature) **E. J. Pace** Date/Time: **12/4/23 0910**
 Received by/Company: (Signature) **[Signature]** Date/Time: **12/4/23 1220**
 Received by/Company: (Signature) _____ Date/Time: _____

MTJL LAB USE ONLY
 Table #: _____
 Acctnum: _____
 Template: _____
 Prelogin: _____
 PM: _____
 PB: _____
 Trip Blank Received: Y N NA
 HCL MeOH TSP Other
 Non Conformance(s): _____
 YES / NO

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: TERRACON

WO#: **40271680**



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 - 120 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr: 1.0 /Corr: 1.0

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

Person examining contents:
 Date: 8/17/22 /Initials: mt
 Labeled By Initials: AK

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>billing, ph # mt 12/4/22</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: <u>Green Bay</u> , 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: _____ 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 log in