

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

Attn: Mr. Brian Kreski (electronic)

Phone: (920) 832-2353 Mobile: (920) 419-0649 Fax: (920) 832-5949

Re: 2017 Fourth Quarter Compliance Monitoring Report, Industrial User (Wastewater Discharge) Permit #15-21

N.W. Mauthe Superfund Site 725 South Outagamie Street Appleton, Wisconsin Terracon Project No. 58117057 BRRTS No. 02-45-000127

Dear Mr. Kreski:

Terracon Consultants, Inc. (Terracon) is pleased to submit this quarterly process compliance report for the N.W. Mauthe Superfund site, 725 South Outagamie Street, Appleton, Wisconsin. This report is submitted in conformance with the City of Appleton Industrial User No. 15-21, issued on May 31, 2015. This report covers the period of October 1, 2017, through December 31, 2017, which included monthly effluent compliance monitoring sampling. The monthly results are summarized in the attached Table 1.

The flow monitoring and sampling activities were conducted monthly at the effluent discharge point, prior to Outfall 001. During this reporting period, local limit compliance monitoring samples were collected by the City of Appleton on November 9, 2017. However, Terracon has not yet received a copy of the results. Historical results are presented in the attached Table 2.

As noted in the 2012 Fourth Quarter Process Compliance Report the system was replumbed during 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 2017 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



Terracon Consultants, Inc. 9856 South 57th Street Franklin, Wisconsin 53132

P [414] 423 0255 F [414] 423 0566 terracon.com

2017 Fourth Quarter Compliance Monitoring Report

N.W. Mauthe Superfund Site Appleton, Wisconsin January 2, 2018 Terracon Project No. 58117057



submitted to Pace Analytical (Pace) laboratory (Green Bay, Wisconsin) for analysis of hexavalent chromium. An additional aliquot of the original sample was filtered through a 0.45 micron (µm) filter and then transferred to a clean, new 250-mL plastic bottle with nitric acid preservative provided by the laboratory. This filtered, 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 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 97,160 gallons with a mean daily flow of approximately 1,056 gallons per day. Based on the laboratory results, there were no exceedances during this reporting period from Outfall 001.

Scott A. Hodgson, P.G. 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."

2017 Fourth Quarter Compliance Monitoring Report

N.W. Mauthe Superfund Site ■ Appleton, Wisconsin January 2, 2018 ■ Terracon Project No. 58117057



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

Sincerely,



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

SAH:sah/N:\Projects\2011\58117057\Working Files\Pre-Treatment Permit\Process Compliance reports\Terracon 2017\Fourth Quarter\Fourth Quarter\Summarracon 2017\Fourth Quarter\Summarracon Compliance.doc

Attachments: Table 1

Table 2

Laboratory Analytic Test Reports

Copies to: Jennifer Borski, WDNR-Oshkosh (Electronic)

File

			OUTFA	ALL 001				Ma	nhole	#1	Ма	nhole	#2
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	pН	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	pН	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	N/
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	N/
	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	0.1
11/16/07		8,386,583	8,671	21,587									
40/00/5=	12/01/07	8,394,162	2 ===										
12/03/07		8,395,372	8,789			0.400	0.500			4.00			0.4
12/04/07		8,395,372	0	D	8.6	3.100	2.500		8.4	4.60		8.6	0.16
12/12/07 12/21/07		8,399,522	4,150	December									
12/21/07	0.1/0.1/0.0	8,402,508	2,986	25,977									
04/04/00	01/01/08	8,420,139	40.000										
01/01/08		8,420,868	18,360		8.7	4 200	4.200		0.4	4.50		0.7	0.00
01/02/08 01/02/08		8,420,868 8,421,628	760		6.7	1.300	1.200		8.4	4.50		8.7	0.62
01/02/08		8,459,333	37,705										
01/10/08		8,479,244	19,911	January									
01/15/08		8,497,063	17,819	84,612									
01/23/00	02/01/08	8,504,750	17,019	04,012									
02/01/08	02/01/00	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	1.4
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	0.5
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	0.1
04/15/08		8,797,710	7,582					Installed			Installed		
04/16/08		8,804,525						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	0.5
04/28/08		8,860,276	33,442	April	L			13,291	L		36,802		
04/29/08	0=/=:/-:	8,860,276	0	212,193	9.1	0.51		14,721	8.8	0.96	40,534	9.1	0.43
05/05/55	05/01/08	8,868,517	20 =:-					20.07-			F0 00-		
05/05/08		8,890,994	30,718				0.5==	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	0.6
05/12/08		8,907,573	16,579		0.0	0.00		28,018	0.0		70,853	0.0	
05/13/08		8,907,573	0		9.2	0.69		28,487	8.8	1.00	71,555	9.0	0.3
05/19/08		8,920,045	12,472		0.4	0.74		32,756	0.0	0.00	79,328	0.0	0.00
05/20/08		8,920,045	0.527	Man.	9.1	0.74		33,225	8.8	0.96	80,376	8.9	0.2
05/26/08		8,929,582	9,537	May	0.0	0.00		36,557	0.0	4.04	85,277	0.0	0.44
05/27/08	06/01/08	8,929,582 8,935,384	0	66,866	9.0	0.60		37,025	8.9	1.04	85,979	8.9	0.1

			OUTFA	ALL 001						#4	l		#0
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	рН	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis (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)
06/02/08		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		
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	ĺ				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									

Date Actual Interpolation Discharge Date Actual Interpolation Discharge (gallons) Discharge (g				OUTFA	ALL 001				Mai	nhole	#1	Ma	nhole	#2
1007/08	Date Actual	For Linear	Discharge Reading	Discharged Between Meter	Discharge	рН	Chromium Lab Analysis (mg/L) [Local Limit	Chromium Lab Analysis (mg/L) [Local Limit 7.0	Totalizer #1 Reading	pН	Chromium Hach Test	Totalizer #2 Reading	pН	
1007/08	10/05/08		9.195.280	3,727					109.500			287.383		
101/1008	10/07/08					7.7	2.2	2.000		7.4	4.38		7.8	0.12
101/12/08	10/07/08		9,196,521	1,241					110,012			288,124		
1014/08	10/10/08		9,200,017	3,496					110,965			290,943		
101608	10/12/08		9,200,017	0					111,919			291,644		
1001808	10/14/08		9,200,017	0		7.8	1.9		112,396	7.5	3.48	292,698	7.8	0.27
10/21/08 9,200,201 0 7,8 1114,337 7,5 4,02 295,535 7,9 0 10/2208 9,208,980 9,211,601 2,621 114,6327 114,6327 1296,205 110/2808 9,211,601 2,621 110/2808 9,211,601 0 0 0 0 0 0 0 0 0									112,906					
10/22/06 9.208,980 2.779 114,848 2.96,250 10/22/06 9.211,801 0.0														
10/28/06						7.8				7.5	4.02		7.9	0.28
11/07/08 9.211,601 0 0 0 0 0 0 0 0 0														
11/01/08														
11/01/08	10/28/08			0		7.9	2.0		116,756	7.7	3.96	298,743	8.2	0.26
110408		11/01/08			22,071									
110408													<u> </u>	
110708						8.0	2.1	1.880		7.7	4.32		8.1	0.20
11/10/08														-
11/2008														
11/24/08 9,2231,935 2,904 124,939 310,833 311,189 117/24/08 9,233,464 1,204 125,702 311,660 117/28/08 9,233,464 1,204 125,702 311,660 117/28/08 9,234,926 1,462 November 126,192 312,744 127/28/08 9,234,926 0 8.2 2.3 2.190 127,656 7.8 3.57 314,118 8.3 0. 127/208 9,234,926 1 19,988 1 120/208 9,234,926 0 8.2 2.3 2.190 127,656 7.8 3.57 314,118 8.3 0. 127/208 9,242,670 7,744 1 130,122 316,912 127/708 9,242,670 1,744 1 130,122 316,912 127/708 9,242,670 1,744 1 130,122 316,912 127/708 9,226,230 313,304 1 136,435 320,808 1 100/209 9,268,140 20,553 1 13,304 1 136,435 1 338,229 1 100/209 9,268,140 20,553 1 136,435 1 136								-						-
11/24/08														
11/28/08				,										
11/28/08														
12/01/08 9.234,926 19.986 19.986 12/01/08 9.244,670 7.744 130,122 316,912 12/17/08 9.242,670 7.744 130,122 316,912 12/17/08 9.247,587 4,917 December 131,563 320,808 12/17/08 9.247,587 4,917 December 131,563 320,808 12/17/08 9.266,230 31,304 130,425 136,435 336,229 10/10/09 9.266,140 20.553 7.8 2.5 2.430 137,894 7.7 4.48 341,351 7.8 1.					November									
12/02/08	11/20/00	12/01/08		1,402					120,132			312,744		
12/12/08	12/02/08	12/01/00		0	.0,000	8.2	2.3	2 190	127 656	7.8	3 57	314 118	8.3	0.18
12/17/08						0.2	2.0	200	-	7.0	0.01		0.0	0.10
01/02/09				·	December									
01/02/09	12,11,00	01/01/09		.,					,			0_0,000		
01/06/09	01/02/09			20,553	,				136,435			338,229		
02/01/09 9,287,182 20,952 143,256 351,788 02/03/09 9,287,326 0 7.8 3.3 2.900 143,738 7.9 4.69 352,143 8.2 0. 02/05/09 9,288,348 1,522 February 143,772 352,912 <td></td> <td></td> <td></td> <td>0</td> <td></td> <td>7.8</td> <td>2.5</td> <td>2.430</td> <td>137,894</td> <td>7.7</td> <td>4.48</td> <td>341,351</td> <td>7.8</td> <td>1.05</td>				0		7.8	2.5	2.430	137,894	7.7	4.48	341,351	7.8	1.05
02/01/09 9,287,326 9,907 7.8 3.3 2,900 143,256 351,798 0.0 0.0 0.0 7.8 3.3 2,900 143,738 7.9 4.69 352,143 8.2 0.0 0.0 0.0 0.0 0.0 143,772 352,143 8.2 0.0 0.0 0.0 0.0 143,772 352,912 0.0 0.0 0.0 0.0 0.0 143,772 352,912 0.0				9,279	January									
02/03/09 9,287,326 0 7.8 3.3 2.900 143,738 7.9 4.69 352,143 8.2 0.0 02/05/09 9,288,848 1,522 February 143,772 352,912 352,9		02/01/09	9,287,182		20,952									
02/05/09 9,288,848 1,522 February 143,772 352,912	02/01/09		9,287,326	9,907					143,256			351,798		
03/01/09 9,334,332 47,151 153,077 393,568 03/03/09 9,335,249 46,401 153,077 393,568 0.00 03/03/09 9,335,249 0 7.6 2.4 1.970 153,561 7.9 4.24 394,973 8.2 0.0 03/11/09 9,355,734 20,485 156,519 412,282 0.0 0.0 0.0 156,519 412,282 0.0 0.0 0.0 156,519 412,282 0.0 0.0 0.0 0.0 156,519 412,282 0.0 0.0 0.0 0.0 0.0 156,519 412,282 0.0 0.0 0.0 0.0 183,323 501,935 500,471 0.0	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
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. 03/11/09 9,355,734 20,485 156,519 412,282 412,282 32,307 500,471 30,307 30,307 30,307 30,307 30,307 30,307 30,307 4.24 394,973 8.2 0.	02/05/09			1,522	February				143,772			352,912		
03/03/09 9,335,249 0 7.6 2.4 1.970 153,561 7.9 4.24 394,973 8.2 0. 03/11/09 9,355,734 20,485 156,519 412,282 412,282 303/0/9 412,282 303/0/9 412,282 500,471 303/31/9 303/31/9 9,463,572 0 March 183,323 501,935 501,935 501,935 304/01/9 304/01/99 9,469,538 5,966 184,290 504,856 304/03/99 504,856 304/03/99 504,856 304/03/99 511,375 304/03/99 511,375 304/03/99 516,807 304/03/99 516,807 304/03/99 516,807 304/03/99 304,855,42 7,237 305/03/99 304/03/99 304,855,42 7,237 305/03/99 304/03/99 304,855,42 305/03/99 304/03/99 304/03/99 304,855,42 305/03/99 304/03/99 304/03/99 304/03/99 304/03/99 304/03/99 304/03/99 304/03/99 304/03/99 304/03/99 304/03/99 304/03/99 304/03/99		03/01/09			47,151									
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 9,467,680 133,348 501,935 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. 04/13/09 9,498,358 12,816 194,432 525,799 525,799 0. 04/12/09 9,498,358 0 7.7 0.59 194,908 8.0 1.20 525,799 8.2 0. 04/20/09 9,507,740 9,382 198,262 532,295 532,295 0. 04/27/09 9,507,740 0 7.8				·				ļ					<u> </u>	
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 9,467,680 133,348 501,935 501,935 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. 04/13/09 9,498,358 12,816 194,432 525,799 525,799 504/21/09 9,498,358 0 7.7 0.59 194,908 8.0 1.20 525,799 8.2 0. 04/20/09 9,507,740 9,382 198,262 532,295 504/21/09 504,866 561,846 1.0 04/27/09 9,545,303 37,563 208,646 561,846 561,846 561,846						7.6	2.4	1.970		7.9	4.24		8.2	0.87
03/31/09 9,463,572 0 March 183,323 501,935 04/01/09 9,467,680 133,348 501,935 501,935 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. 04/13/09 9,498,358 12,816 194,432 525,799 2 04/14/09 9,498,358 0 7.7 0.59 194,908 8.0 1.20 525,799 8.2 0. 04/20/09 9,507,740 9,382 198,262 532,295 500,00 533,364 8.3 1. 04/27/09 9,545,303 37,563 1.0 198,262 8.0 0.96 533,364 8.3 1.								ļ					<u> </u>	
04/01/09 9,467,680 133,348 184,290 504,856 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. 04/13/09 9,498,358 12,816 194,432 525,799 525,799 8.2 0. 04/20/09 9,498,358 0 7.7 0.59 194,908 8.0 1.20 525,799 8.2 0. 04/20/09 9,507,740 9,382 198,262 532,295 533,364 8.3 1. 04/21/09 9,507,740 0 7.8 1.0 198,262 8.0 0.96 533,364 8.3 1. 04/27/09 9,545,303 37,563 208,646 561,846 561,846				·			1	ļ						
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. 04/13/09 9,498,358 12,816 194,432 525,799 525,799 525,799 8.2 0. 04/20/09 9,498,358 0 7.7 0.59 194,908 8.0 1.20 525,799 8.2 0. 04/20/09 9,507,740 9,382 198,262 532,295 532,295 0. 04/21/09 9,507,740 0 7.8 1.0 198,262 8.0 0.96 533,364 8.3 1. 04/27/09 9,545,303 37,563 208,646 561,846 561,846	03/31/09			0				ļ	183,323			501,935	ļ	ļ
04/03/09 9,478,305 8,767 187,194 511,375 511,375 511,375 511,375 516,807	2	04/01/09			133,348			ļ					ļ	ļ
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 04/13/09 9,498,358 12,816 194,432 525,799 525,799 525,799 525,799 8.2 0 04/14/09 9,498,358 0 7.7 0.59 194,908 8.0 1.20 525,799 8.2 0 04/20/09 9,507,740 9,382 198,262 532,295 532,295 532,295 0 0 7.8 1.0 198,262 8.0 0.96 533,364 8.3 1. 04/27/09 9,507,740 0 7.8 1.0 198,262 8.0 0.96 533,364 8.3 1. 04/27/09 9,545,303 37,563 208,646 561,846 561,846 561,846														
04/07/09 9,485,542 0 7.7 0.84 0.730 190,569 7.9 1.14 518,251 8.1 0.0 04/13/09 9,498,358 12,816 194,432 525,799 525,799 525,799 525,799 525,799 62 62,799 62,799 63,799														
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. 04/20/09 9,507,740 9,382 198,262 532,295 532,295 04/21/09 9,507,740 0 7.8 1.0 198,262 8.0 0.96 533,364 8.3 1. 04/27/09 9,545,303 37,563 208,646 561,846 561,846				· · · · · · · · · · · · · · · · · · ·		77	0.04	0.700		7.	4 4 4		0.4	0.50
04/14/09 9,498,358 0 7.7 0.59 194,908 8.0 1.20 525,799 8.2 0. 04/20/09 9,507,740 9,382 198,262 532,295 532,295 04/21/09 9,507,740 0 7.8 1.0 198,262 8.0 0.96 533,364 8.3 1. 04/27/09 9,545,303 37,563 208,646 561,846 561,846						1.7	0.84	0.730		7.9	1.14		8.1	0.52
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. 04/27/09 9,545,303 37,563 208,646 561,846 561,846						77	0.50	 		0.0	4.00		0.0	0.07
04/21/09 9,507,740 0 7.8 1.0 198,262 8.0 0.96 533,364 8.3 1. 04/27/09 9,545,303 37,563 208,646 561,846 561,846						1.1	0.59	 		8.0	1.20		8.2	0.27
04/27/09 9,545,303 37,563 208,646 561,846						7.0	4.0	 			0.00		0.0	4-4
						7.8	1.0	 		8.0	0.96		8.3	1.74
I 04/29/001 I 0 E4E 2021 01 I 0.0 I 4.0 I ■ 040.002 I 77 I 4.00 ■ 00.457 I 75 I 0.	04/27/09		9,545,303	37,563		8.0	1.2		210,663	7.7	1.89	561,846	7.5	0.28

			OUTE	ALL 001									
			0017	00 I	1	1	ı	Ma	nhole	#1	Ma	nhole	#2
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	рН	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)
	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		0.00	2.242	245,914		4.05	637,378		0.00
06/02/09		9,652,323	5.704		7.3	0.23	0.648	246,871	6.9	1.05	638,835	7.2	0.26
06/03/09 06/15/09		9,658,104 9,701,735	5,781					248,350 261,249			641,072		
06/15/09	07/01/09	9,701,735	43,631	June				201,249			674,466		
07/01/09	07/01/09	9,727,975	26,240	77,001				272,082			691,914		
07/01/09		9,732,032	4,057	77,001				273,967			694,431		
07/07/09		9,732,032	4,037		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		7	0.00	0.070	278,743		2.20	700,527		0.20
01720700	08/01/09	9,748,231	10,201	July				2.0,0			100,021		
08/03/09	00,00,00	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	40/04/02	9,800,194	0	Camterial		 		303,684			739,163		
10/04/00	10/01/09	9,806,949	7 007	September				200 500			740.005		
10/01/09 10/05/09		9,807,491	7,297 4,365	19,906				306,569 308,500			743,395 746,224		
10/05/09		9,811,856 9,811,856	4,365		6.9	1.8	1.700	308,500	6.8	2.48		71	0.55
10/06/09		9,811,856	15,963		0.9	1.0	1.700	314,838	0.8	∠.48	757,329	7.1	0.00
10/13/09		9,830,464	2,645			 		314,636			757,329		
10/10/09	11/01/09	9,871,202	2,040	October				510,200			7.50,757		
11/02/09	. 1,0 1,09	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		<u> </u>	<u> </u>		331,974			797,084		50
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		

			OUTF	ALL 001				Ma	nhole	#1	Ма	nhole	#2
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	рН	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)
	12/01/09	9,914,595	_	November									
12/01/09		9,914,595	0		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	10,000				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			1	ļ	371,664			881,364		
02/16/10		10,002,996	8,604			1	ļ	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 10,077,601	17,275 11,710					388,140 392,478			942,069		
03/23/10		10,077,601	10,886					392,478			950,481		
03/31/10	04/01/10	10,088,725	10,886	March				390,786			958,091		
04/01/10	04/01/10	10,088,723	330	79,183				396,786			958,456		
04/01/10		10,088,617	3,648	79,103				398,207			961,014		
04/04/10		10,092,465	3,048		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		7.4	1.5	1.100	416,846	1.2	2.00	1,005,028	1.2	0.20
04/15/10	05/01/10	10,189,439	30,701	April				410,040			1,000,020		
05/03/10		10,196,869	45,703	100,715				432,284			1,038,553		
05/04/10		10,196,869	0	100,110	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						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				ļ	531,679			1,283,332		
	08/01/10	10,586,662		July		1	ļ						
08/02/10		10,594,781	62,322	184,709			0.5:-	549,129	<u> </u>		1,283,332	L	
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			1	 	550,588			1,283,358		
08/04/10		10,599,046	0			1	 	550,588			1,283,358		
08/05/10		10,600,937	1,891			+	 	551,531	<u> </u>		1,284,413		
08/06/10		10,602,372	1,435			-	 	552,002	<u> </u>		1,285,481		
08/07/10 08/12/10		10,604,242	1,870 17,463			-	 	552,943 558,442			1,286,560		
		10,621,705				1			-		1,299,650		
08/18/10		10,644,322	22,617			1		565,095			1,317,296		

			OUTFA	ALL 001				Mai	nhole	#1	Ма	nhole	#2
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	На	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)
	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	40/04/40	10,713,225	327	0				588,142			1,368,432		
10/01/10	10/01/10	10,717,803 10,718,374	5,149	September 53,291	-	-		590,497			1,371,651		-
10/01/10		10,718,374	2,965	55,291				590,497			1,371,651		
10/03/10		10,721,339	2,905		7.6	0.80	0.763	591,909	7.3	1.32	1,373,431	7.5	0.1
10/05/10		10,721,339	11,747		7.0	0.00	0.700	597,097	1.5	1.32	1,380,767	7.5	0.11
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	0.2
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	0.2
12/15/10		10,811,058	11,045					627,228			1,435,313		
12/20/10 12/23/10		10,814,659 10,816,825	3,601 2,166					628,621 629,558			1,437,887 1,439,358		
12/23/10	01/01/11	10,816,825	2,100	December				629,558			1,439,356		
01/02/11	01/01/11	10,829,348	12,523	32,938				632,850			1,449,967		
01/04/11		10,829,348	12,323	32,330	8.0	1.6	1.500	633,803	7.9	5.31	1,452,901	8.0	0.5
01/17/11		10,845,438	16,090		0.0		1.000	638,076		0.01	1,462,175	0.0	0.0
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		
	02/01/11	10,853,317		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	0.1
02/02/11		10,854,899	1,582					641,426			1,469,273		
02/14/11		10,859,963	5,064		<u> </u>			643,318			1,472,988		
02/21/11		10,876,100	16,137		 			646,167			1,488,233		ļ
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	03/01/11	10,883,601 10,883,601	3,324	February	-	-		648,128			1,494,713		-
03/01/11	03/01/17	10,883,601	0	30,284	7.8	1.8	1.530	648,594	7.7	4.95	1,496,572	7.8	0.5
03/01/11		10,863,601	74,001	30,204	7.0	1.0	1.330	664,834	1.1	4.90	1,490,572	7.0	0.5
55/21/11	04/01/11	11,023,291	7-7,001	March		-		554,554			1,000,007		
04/04/11	2 ,, 0 ,, 7 1	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	0.2
04/16/11		11,138,592	92,754					710,138			1,708,997		İ
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		
	05/02/11	11,274,169		April									
05/02/11		11,277,586	15,135	250,878	ļ			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	0.2
05/16/11		11,310,055	32,469		1			763,336			1,841,085	1	

			OUTF	ALL 001				Mai	nhole	#1	Ma	nhole	#2
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	рН	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)
Dute Autuai	06/01/11	11,344,383		May	ρ		9. – 1	(9)	P	···· (····g· =/	(9)	P	(g)
06/02/11	00/01/11	11,347,664	36,144	70,214				778,512			1,868,238		
06/06/11		11,354,057	6,393	70,214				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		
	07/01/11	11,419,112	·	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		
	08/01/11	11,483,192		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		
	09/01/11	11,524,179		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		
10/00/11	10/01/11	11,568,104	0.440	September				007.044			0.004.400		
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 2,033,785		
10/06/11		11,574,566						869,161 870,519					
10/08/11 10/10/11		11,579,097 11,579,097	4,531 0		7.5	1.2	1.090	870,519	7.4	2.15	2,036,082 2,036,082	7.5	0.22
10/10/11		11,603,315	24,218		7.5	1.2	1.090	879,056	7.4	2.15	2,050,062	7.5	0.22
10/20/11		11,606,358	3,043					880,416			2,055,759		
10/30/11	11/01/11	11,607,509	3,043	October			Pounds Cr	000,410			2,033,733		
11/01/11	11/01/11	11,608,102	1,744	39,405			0.358	881,323			2,055,759		
11/02/11		11,608,233	131	55,700		<u> </u>	3.300	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		3.00
11/06/11		11,614,756	3,361					883,608			2,062,594		
11/07/11		11,616,924	2,168					883,718			2,063,343		
11/08/11		11,618,636	1,712					884,345			2,065,014		
11/12/11		11,651,616	32,980					890,384			2,094,235		
11/15/11		11,662,529	10,913					894,135			2,102,462		
11/23/11		11,677,899	15,370					900,936			2,112,833		
11/29/11		11,687,640	9,741				Pounds Cr	905,028			2,119,690		
	12/01/11	11,689,609		November			0.834						
12/01/11		11,687,640	0	,	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		ļ	ļ		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		

			OUTFA	ALL 001				Ma	nhole	44		ملممامد	#2
						Hexavalent	Total	ivia	nnoie	#1	IVIA	inhole	#2
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	рН	Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)
	01/01/12	11,742,204		December	•		Pounds Cr	, ,		, ,	,		, , ,
01/04/12		11,744,667	2,560	52,595			0.745	927,731			2,158,911		
01/05/12		11,744,667	0	ĺ	6.9	0.98	0.862	928,184	7.5	1.84	2,161,198	7.3	0.27
01/19/12		11,754,619	9,952					932,303			2,166,977		
01/27/12		11,758,987	4,368					934,572			2,169,652		
01/31/12		11,761,124	2,137				Pounds Cr	935,480			2,171,180		
	02/01/12	11,761,228		January			0.137						
02/02/12		11,761,124	0	19,024	7.4	2.1	1.860	936,191	7.7	2.50	2,172,687	7.7	6.1
02/07/12		11,763,586	2,358					938,043		2.80	2,176,546		1.71
02/22/12		11,778,355	14,769					941,736			2,183,827		
02/24/12		11,780,157	16,571		<u> </u>		D 1 0	942,642			2,184,964	<u> </u>	
02/28/12	00/04/15	11,782,379	18,793	F-1-		1	Pounds Cr	943,547			2,186,478		
00/04/40	03/01/12	11,783,379		February	7.4	0.0	0.329	044.000	7.0	0.45	0.400.470	7.0	0.04
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 03/21/12		11,824,851	41,472					956,400			2,221,364		
03/21/12		11,839,925 11,848,965	15,074 9,040					962,783 965,591			2,231,770 2,239,149		
03/25/12	04/04/40		9,040	NA I-			Daniela On	965,591			2,239,149		
04/03/12	04/01/12	11,865,023	22.044	March			Pounds Cr	072.047			2.256.557		
04/03/12		11,871,806 11,871,806	22,841 6,783	81,644	7.6	0.83	1.740 0.730	973,817 975,189	7.9	1.28	2,258,866	7.8	0.48
04/05/12		11,871,806	25,093		7.0	0.83	0.730	984,322	7.9	1.28	2,258,886	7.8	0.48
04/16/12		11,906,449	9,550					986,147			2,282,902		
04/21/12	05/01/12	11,923,538	9,550	April			Pounds Cr	900,147			2,202,902		
05/02/12	03/01/12	11,930,935	24,486	58,515			0.356	996,194			2,300,258		
05/03/12		11,933,848	2,913	30,313			0.550	997,107			2,302,572		
05/09/12		11,989,964	56,116					1,010,822			2,349,979		
05/14/12		12,005,061	15,097					1,016,338			2,361,277		
05/16/12		12,005,061	0		6.5	0.67	0.581	1,018,169	7.4	0.63	2,363,951	7.6	0.15
05/20/12		12,016,709	11,648					1,021,100			2,368,989		
05/22/12		12,018,570	1,861					1,022,007			2,370,141		
05/24/12		12,021,249	2,679					1,023,245			2,372,066		
05/31/12		12,028,808	7,559					1,027,317			2,378,556		
	06/01/12	12,029,342		May			Pounds Cr						
06/02/12		12,030,994	2,186	105,804			0.512	1,027,317			2,378,556		
06/05/12		12,033,617	2,623					1,028,676			2,380,101		
06/07/12		12,033,617	0		6.8	0.55	0.507	1,029,581	7.4	0.99	2,381,259	7.7	0.17
06/19/12		12,046,851	13,234					1,034,134			2,389,253		
06/29/12		12,056,747	9,896					1,038,653			2,395,689		
	07/01/12	12,057,998		June			Pounds Cr						
07/03/12		12,059,332	1,334	28,656	<u> </u>		0.121	1,040,009			2,397,210	<u> </u>	
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		<u> </u>			1,042,739			2,402,552	<u> </u>	
07/20/12		12,069,263	5,260			1	<u> </u>	1,045,446			2,402,552		
	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			-		1	1,051,808			2,410,869	-	
08/16/12	00/04/40	12,098,108	15,598	August		1	Deur de C	1,056,800			2,423,447		
09/01/12	09/01/12	12,111,167	40.004	August			Pounds Cr 0.309	1,063,135			2 422 000		-
09/01/12		12,111,772 12,116,611	13,664 4,839	33,084	-	+	0.309	1,065,875			2,432,088 2,434,745	-	
09/09/12		12,116,611	4,839 1,172			1.70	1.520	1,065,875	6.4	0.72	2,434,745	6.3	0.21
09/11/12		12,117,783	3,443		 	1.70	1.320	1,068,747	0.4	0.72	2,435,127	0.3	0.21
09/18/12		12,121,226	3,443		 		1	1,088,577			2,437,061	 	
09/20/12		12,120,024	3,198		1	1	1	1,070,037			2,430,937	1	

			OUTFA	ALL 001				Mai	nhole	#1	Ma	nhole	#2
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	рН	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)
	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	0.,000	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		T			1,103,179	, (2,504,679	T	5.21
11/30/12		12,218,011	5,270					1,106,155			2,507,598		†
11/30/12	12/01/12	12,218,663	3,210	November			Pounds Cr	1,100,100			2,307,330		
12/03/12	12/01/12	12,219,752	1,089	27,569			0.239	1,107,006			2,508,689		
12/03/12		12,223,289	3,537	21,309	8.0	1.00	1.100	1,107,000	7.7	1.60	2,510,506	8.0	0.27
12/16/12		12,234,632	11,343		0.0	1.00	1.100	1,114,683	1.1	1.00	2,517,462	0.0	0.27
12/20/12		12,234,032	4,616					1,117,237			2,520,012		
12/31/12	04/04/40		4,010	D			D	1,117,237			2,520,012		
04/04/40	01/01/13	12,239,543	740	December			Pounds Cr	4 447 000			0.500.077		
01/01/13		12,239,958	710	20,880		4.00	0.191	1,117,663	77	4.00	2,520,377	0.0	4.00
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						
İ				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		1
	07/01/13	12,727,950	,	June			Pounds Cr	,,			,,		1
		,:=:,:50		80,668			0.555						1
07/18/13		12,767,116	86,474	55,555	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			· · · ·	5.70	0.001	1,293,015	3.7	0.70	2,947,351	1	5.57

			OUTF	ALL 001				Mai	nhole	#1	Ma	nhole	#2
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	На	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)
	08/01/13	12,781,814		July	p · · ·	<u> </u>	Pounds Cr	,		, ,			` ` ,
	00/01/10	12,701,011		53,864			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	09/01/13	12,800,434 12,803,511	3,139			-	Davinda Cr	1,302,541			2,958,987		
09/01/13	09/01/13	12,803,511	6,216	August 21,697			Pounds Cr 0.140	1,303,580			2,961,265		
09/05/13		12,808,096	4,585	,			0.140	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			Pounds Cr						
10/01/13		12,834,025	388	30,514			0.297	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	44/04/40	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
44/04/40	11/01/13	12,867,815	40.700	October			Pounds Cr	4 000 000			0.004.777		
11/01/13		12,867,815	12,788 9,026			-	0.315	1,332,902			3,004,777		
11/05/13 11/13/13		12,876,841 12,903,367	26,526		7.8	1.00	0.920	1,335,488 1,345,039	8.1	0.66	3,012,422 3,033,152	7.9	0.11
11/20/13		12,903,307	21,199		7.0	1.00	0.920	1,350,740	0.1	0.00	3,051,316	1.5	0.11
11/20/10	12/01/13	12,940,971	21,100	November			Pounds Cr	1,000,740			0,001,010		
12/02/13	12/01/10	12,944,252	19,686				0.560	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			Pounds Cr						
01/01/14		12,970,772	313	29,628			0.326	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		
00/00/4.4	02/01/14	12,983,265	000	January			Pounds Cr	4 000 000			0.000.700		
02/02/14 02/13/14		12,983,747 12,987,155	686 3,408	· ·	8.0	1.8	0.111 1.610	1,380,032 1,381,726	8.1	2.88	3,090,789 3.093.093	8.3	0.19
02/13/14		12,993,603	6,448		0.0	1.0	1.610	1,361,726	0.1	2.00	3,093,093	0.3	0.19
02/20/14	03/01/14	12,993,783	0,440	February			Pounds Cr						
03/01/14	33,01,11	12,993,909	306	,			0.141						
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			Pounds Cr						
04/01/14		13,061,650	2,111	66,196			0.239	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		1,424,711			3,224,028		
04/18/14		13,165,955	30,043				0.5==	1,434,115		2 ==	3,247,300	7 -	2.01
04/22/14	05/04/4	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
OF 104 14 4	05/01/14	13,211,258	4 200	April 151.279	 	-	Pounds Cr	1 454 504			2 202 452		
05/01/14 05/13/14		13,211,345 13,267,656	1,329 56,311	- , -	7.5	0.28	0.475 0.273	1,451,524 1,471,868	7.3	0.73	3,282,450 3,326,392	7.4	0.20
05/13/14		13,280,912	13,256		7.5	0.20	0.213	1,471,868	1.3	0.73	3,326,392	7.4	0.20
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	 	

			OUTF	ALL 001				Ma	nhole	#1	Ма	nhole	#2
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	рН	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	На	Hexavalent Chromium Hach Test Kit (mg/L)
	06/01/14	13,332,599		May	Į.	<u> </u>	Pounds Cr	,		, ,	,	•	` , ,
06/02/14	30/01/11	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	07/04/44	13,444,046	42,400	luma			Daniela On	1,531,745			3,470,067		
07/01/14	07/01/14	13,445,046	2,092	June 112,447			Pounds Cr 0.357	1,532,601			3,472,302		
07/01/14		13,446,138 13,449,088	2,092	112,441		1	0.357	1,533,460			3,475,127		
07/02/14		13,449,088	14,728		7.7	0.68	0.689	1,533,460	7.4	1.0	3,486,800	7.4	1.0
07/14/14		13,472,104	8,288		7.7	0.00	0.000	1,543,805	7.4	1.0	3,492,830	1.7	1.0
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		
00/00/4.4	09/01/14	13,543,999	4.007	62,253			0.37	4 577 000			0.550.440		
09/02/14 09/05/14		13,546,601	4,287 3,881					1,577,338			3,550,419 3,553,370		
09/05/14		13,550,482 13,562,709	12,227			1		1,579,481 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		September	7.5	0.00	Pounds Cr	1,595,011	7.0	1.10	3,577,644	7.5	0.50
77,	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		
40/04/44	12/01/14	13,696,416	4 4 4 4	November			Pounds Cr	4 0 40 500			0.000.050		
12/01/14		13,697,118	1,141	37,515			0.306	1,640,533			3,663,353		
12/04/14 12/08/14		13,701,386 13,705,980	4,268 4,594			<u> </u>		1,643,108 1,645,245			3,666,947 3,670,118	1	
12/08/14		13,705,980	3,506		8.1	1.5	1.320	1,646,957	7.7	2.72	3,670,118	8.5	0.35
12/12/14		13,768,265	58,779		0.1	1.0	1.020	1,666,522	···	2.12	3,720,581	0.0	0.30
.2/01/14	01/01/15	13,769,665	55,775	December			Pounds Cr	.,500,022			5,. 20,001		
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	<u> </u>	
02/28/15	00/04/45	13,808,369	1,395				Davin de O	1,684,600			3,749,334	 	
03/01/15	03/01/15	13,808,507 13,808,690	321	February 9,905			Pounds Cr 0.059	1,684,600			3,749,728	 	
03/01/15		13,808,690	6,385		8.2	0.80	0.059	1,684,600	7.2	1.00	3,749,728	8.0	0.34

			OUTF	ALL 001				Mai	nhole	#1	Ma	nhole	#2
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	рН	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis (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)	На	Hexavalent Chromium Hach Test Kit (mg/L)
03/23/15	polation		853	(94.101.0)	Pii	9, =,	9/ = 1		P	· · · · · · · · · · · · · · · · · · ·	,	ρ	· · · · · · · · · · · · · · · · · · ·
03/23/15		13,815,928 13,816,332	404					1,688,046 1,688,901			3,759,604 3,759,889		
03/25/15		13,816,697	365					1,689,329			3,760,382		
03/20/13	04/01/15	13,822,714	303	March			Pounds Cr	1,003,323			3,700,302		
04/07/15	04/01/10	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	0.3
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	00/04/45	14,114,029	28,309	July			Davinda Ci	1,804,056			3,993,110		
08/05/15	08/01/15	14,115,454 14,117,883	3,854	45,812			Pounds Cr 0.134	1,807,395			3,995,776		
08/12/15		14,117,663	13,646	45,612		0.41	0.134	1,812,749	7.2	0.51	4,006,460	7.1	0.19
08/17/15		14,137,372	5,843			0.41	0.371	1,816,582	1.2	0.51	4,000,400	/	0.13
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		
00/21/10	09/01/15	14,151,425	7,004	August			Pounds Cr	1,022,002			4,010,771		
09/04/15	20,01,10	14,155,393	9,593	35,971			0.111	1,828,088			4,025,183		
09/09/15		14,175,870	20,477	20,011	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	0.10
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	<u> </u>	
	11/01/15	14,260,606		October			Pounds Cr					<u> </u>	
11/02/15		14,266,255	25,058	48,029			0.264	1,872,203			4,108,562	L .	
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		<u> </u>	-		1,898,090			4,155,815		<u> </u>
	12/01/15	14,336,677		November	<u> </u>	 	Pounds Cr					<u> </u>	ļ
12/01/15		14,339,197	4,810	76,072	7.	0.00	0.443	1,899,821	- -	0.00	4,159,227	7.0	0.00
12/10/15		14,364,604	25,407 94.018		7.9	0.69	0.627	1,910,218	7.4	0.66	4,176,267	7.3	0.30
12/21/15	04/04/40	14,458,622	94,018	Docomber		 	Bounds C:	1,937,179			4,246,823		-
01/01/16	01/01/16	14,487,544	29,963	December 150,867			Pounds Cr	1 040 200			4 267 222	1	—
01/01/16		14,488,585 14,499,288	10,703	130,007	7.9	0.62	0.788 0.572	1,949,306 1,954,033	7.4	0.87	4,267,333 4,274,451	7.6	0.40
01/01/10	02/01/16	14,499,266	10,703	January	7.5	0.02	Pounds Cr	1,004,000	7.4	0.07	7,214,431	7.0	0.40

			OUTF	ALL 001				Mai	nhole	#1	Ma	nhole	#2
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	рН	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)
	interpolation	,,			рп	4.5 mg/L]			рп	rtit (ilig/L)	, ,	Pii	rtit (mg/L)
02/01/16 02/10/16		14,533,138	33,850	45,078	0.4	0.07	0.215	1,971,254 1,973,902	7.6	0.61	4,316,580	8.1	0.70
02/10/16		14,562,012 14,601,368	28,874 39,356		8.1	0.87	0.858	1,982,872	7.0	0.61	4,324,057 4,359,110	0.1	0.70
02/29/10	03/01/16	14,602,713	39,330	February			Pounds Cr	1,962,672			4,359,110		
03/01/16	00/01/10	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	00/04/40	14,856,181	9,477	Mari			Daniela On	2,067,406			4,553,472		
06/06/16	06/01/16	14,889,570 14,902,417	46,236	May 61,936			Pounds Cr 0.333	2,086,371			4,585,701		
06/08/16		14,902,417	3,650	01,930	7.5	0.43	0.406	2,088,096	7.1	0.69	4,585,701	7.1	0.25
06/19/16		14,946,108	40,041		7.5	0.43	0.400	2,101,451	7.1	0.03	4,617,396	7.1	0.20
00/10/10	07/01/16	14,980,911	40,041	June			Pounds Cr	2,101,401			4,017,000		
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	7.0		0.213	2,159,787	7.4	0.00	4,709,523	0.0	0.4
09/08/16 09/15/16		15,093,858	12,619 23,256		7.2	0.41	0.355	2,164,508	7.1	0.60	4,718,876	6.9	0.17
09/30/16		15,117,114 15,161,513	44,399					2,173,196 2,190,037			4,734,824 4,766,164		
03/30/10	10/01/16	15,162,610	44,555	September			Pounds Cr	2,130,037			4,700,104		
10/01/16	10/01/10	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	7.0	0.00
12/08/16	04/04/47	15,278,159	16,074	Dagamhar	7.7	0.90	0.832	2,240,348	7.4	1.41	4,843,138	7.3	0.26
01/05/17	01/01/17	15,320,273	E0 044	December			Pounds Cr						
01/05/17 01/05/17		15,328,203 15,328,203	50,044	60,680		1.00	0.420 0.895	2,259,750	7.5	1.44	4,878,940	7.4	0.47
01/03/17		15,326,203	59,419			1.00	0.050	2,259,750	1.5	1.44	4,878,940	7.7	0.47
51/51/17	02/01/17	15,387,845	33,419	January		<u> </u>	Pounds Cr	2,212,100			-,000,004		<u> </u>
02/01/17	52,01717	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						ļ
04/02/17		15,562,275	19,984	106,059	 		0.476	2,333,037		2	5,064,049	7.0	
04/06/17		15,582,526	20,251		7.7	0.43	0.405	2,340,089 2,372,953	7.3	0.57	5,064,049 5,146,405	7.3	0.27

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

			OUTF	ALL 001				Mai	nhole	#1	Ma	nhole	e #2
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	pН	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)
	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
	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	-					2,551,590			5,453,973		
12/31/17		16,131,936						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		

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

Industrial User (Waster	water Discharge) Permit 12-21	Outfall 001 Effluent Limits
pН	Hexavalent Chromium	Total Chromium
Between 5.0 and 12.4 s.u.	<4.5 mg/L	<7.0 mg/L

TABLE 2 City of Appleton Compliance Limits, Outfall 001 N.W. Mauthe Superfund Site - Appleton, WI

					Chromium							Hexavalent
		Aluminum (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Total (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Lead (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Chromium (mg/L)
Permit #12	-21 Limits	70	1.0	0.3	7.0	3.5	1.0	2.0	0.002	2.0	10.0	4.5
Sampler	Sample Date											
CH2M Hill	02/20/97	<.02	<.003	<.00050	0.04	<.01	<.00001	<.005	<.0002	<.005	0.0051	<.01
CH2M Hill	03/24/98	0.0152	<.002	<.00004	0.0637	<.0095	<.0017	<.0006	<.000015	<.0095	0.0046	0.1000
Appleton	04/29/98 10/07/98	<.011 <.011	<.002 <.002	<.005 0.0050	0.2200 0.1700	<.05 <.05	0.0020 <.001	<.1 <.1	<.0002 <.0002	<.04 <.04	<.005 0.0250	NA NA
Appleton MCO	03/18/99	<.009	<.002	<.00031	0.1700 NA	.00068****	<.00032	<.0024	<.0002	.00351****	<.012	<.0036
Appleton	03/18/99	<.011	<.002	<.005	<0.05	<.05	0.0010	0.1000	<.00005	0.0400	0.0180	NA
Appleton	09/21/99	<.011	<.002	<.005	<.05	<.05	0.0030	<.1	<.00015	<.04	0.0080	NA
Appleton	02/15/00	<.015	<.0020	<.005	0.0900	<.05	<.001	<.1	<.00013	<.04	0.0280	NA
MCO	03/13/00	<.009	<.003	<.00031	0.1400	<.0006	<.0044	<.0024	<.00005	0.0012	<.012	NA
Appleton MCO	02/21/01 03/01/01	<0.15 <.034	<.002 <.0027	<.005 .012 ****	0.11 0.25	<.05 .0088 ****	0.001 <.0033	<.1 <.17	<.00013 <.00005	<.04 .036 ****	0.042 0.015	NA <.0036
Appleton	10/02/01	0.016	<.0027	<.005	0.23	<.05	<.0033	<.17	<.00013	<.04	0.015	NA
MCO	03/19/02	<.034	<.0027	<.0075	0.36	<.0077	<.0027	<.17	<.00005	<.017	<.012	<.0036
Appleton	05/02/02	<.049	<.012	<.014	0.362	<.015	<.0014	<.060	<.00011	<.011	<.009	NA
Appleton	11/12/02	0.027	<.0082	<.00053	0.23	<.009	<.0007	<.00084	<.000028	0.0044	0.0081	NA
Appleton	02/11/03	<0.027	<.0082	<.00053	0.086	<.0009	<.0014	<.0013	<.000028	0.0036	<.0025	NA - 0000
Appleton Appleton	03/24/03 10/23/03	<.045 0.0045	<.0027 0.0013	<.0088 <0.0001	0.13 0.221	0.075 <0.0008	<.0050 <0.005	<.16 <0.0006	<.000050 0.0002	<.019 <0.025	<.0044 <0.010	<.0036 NA
Appleton	03/24/04	<0.050	<0.0013	<0.0001	0.221	<0.0060	<0.0050	<0.000	<0.00025	<0.020	<0.010	NA NA
Appleton	11/09/04	0.0071	<0.0012	<0.0001	0.04	0.0008	<0.005	<0.008	<0.0002	0.0013	<0.01	NA
MCO	08/08/05	0.023	<0.0035	<0.0003	0.039	0.0019	<0.0037	<0.0011	<0.000026	<0.0044	0.0024	<0.005
Appleton	11/05/06	0.0052	<0.0012	<0.0001	0.088	<0.0005	<0.005	<0.0008	<0.0002	0.0017	<0.010	NA
Appleton	02/23/06	0.0021	<0.0012	<0.0001	0.08	<0.0005	<0.0005	<0.0008	<0.0002	0.0022	<0.010	NA
MCO Appleton	03/23/06 06/27/06	<0.20 <0.200	<0.0076 <0.0076	<0.00074 <0.00074	0.32 0.700	0.0018 0.0016	0.0043 <0.0094	<0.0034 <0.0034	<0.000026 <0.000072	0.0033 0.0021	<0.020 <0.020	NA <0.350
Appleton	10/05/06	0.037	<0.0070	<0.00014	4.575	0.0010	0.01	<0.001	<0.000072	0.0021	<0.020	NA
Appleton	03/22/07	<0.07	<0.07	<0.01	1.9	3.5	<0.004	<0.03	<0.0002	<0.04	<0.01	NA
MCO	04/02/07	0.0383	0.00024	0.000086	1.41	0.0041	<0.0094	0.00013	<0.00019	0.0035	0.009	NA
Appleton	12/04/07	<0.07	<0.001	<0.01	3.4	<0.01	0.008	<0.03	<0.0002	<0.04	<0.01	1.5
Appleton	01/16/08	0.21	<0.005	<0.01	<0.03	0.02	0.017	0.06	0.0003	<0.04	0.04	NA 0.002
OMNNI Appleton	04/08/08 08/19/08	0.0114 <0.08	0.00043 <0.001	0.00011 <0.01	0.864 0.95	0.0043 <0.01	0.014 J 0.005	0.000095 J <0.03	<0.0001 0.0002	0.0024 <0.02	0.0071 <0.01	0.063 NA
Appleton	03/31/09	<0.09	<0.012	<0.01	0.99	<0.01	<0.008	<0.05	<0.0002	<0.02	<0.01	NA
OMNNI	04/07/09	<0.0151	0.003 J	0.00040 J	0.767	0.0024 J	<0.0060	<0.0014	<0.00010	0.0016 J	0.0137 J	0.84
Appleton	09/22/09	<0.08	<0.006	<0.01	2.3	<0.01	<0.008	<0.05	<0.0002	<0.02	<0.01	NA
Appleton	03/02/10	<0.06	<0.002	<0.01	1.6	<0.01	<0.008	<0.03	<0.0002	<0.01	<0.01	NA
OMNNI Appleton	04/06/10 11/02/10	0.0501 J <0.10	<0.0014 <0.010	0.00043 J <0.01	1.16 0.71	0.0024 J <0.01	<0.0061 <0.008	<0.00075 <0.03	<0.0001 <0.0002	0.0023 J <0.01	0.0046 J <0.01	1.3 NA
Appleton	02/24/11	<0.10	<0.010	<0.01	1.5	<0.01	0.008	<0.03	<0.0002	<0.01	<0.01	NA NA
OMNNI	04/05/11	0.0725 J	0.0025 J	<0.00026	0.401	0.0028 J	<0.0061	<0.0014	<0.00010	0.00053 J	0.0023 J	0.40
Appleton	10/26/11	<0.08	<0.005	<0.01	1.2	<0.01	0.007	<0.04	<0.0002	<0.02	<0.01	NA
Appleton	03/21/12	<0.11	<0.004	<0.01	1.3	0.01	0.007	<0.04	<0.0002	<0.02	<0.01	NA
Terracon	04/05/12	<0.0695	<0.0047	<0.00039	0.696	0.014 J	<0.0061	<0.0014	<0.00010	0.001 J	<0.0053	0.83
Appleton Terracon	10/04/12 04/11/13	0.0865 0.078	0.0051 <0.004	0.00049 <0.00048	1.43 0.431	0.0028 J 0.0024 J	0.026 <0.0038	0.0022 <0.027	0.0001 <0.00010	0.00019 J 0.00013 J	<0.0053 <0.0024	NA 0.42
Appleton	04/11/13	<0.078	<0.004	<0.00048	0.431	0.0024 J	<0.0038	<0.027	<0.00010	0.00062 J	<0.0024	NA
Appleton	11/20/13	<0.0714	<0.0042	<0.00048	1.13	0.0018 J	0.0044 J	<0.027	<0.00010	0.00085 J	0.0034 J	NA
Appleton	04/15/14	0.119 J	<0.0068	<0.001	0.27	0.0036 J	<0.060	<0.0016	<0.00010	<0.0013	<0.0058	NA
Terracon	05/13/14	0.116 J	<0.0068	<0.001	0.273	0.0034 J	<0.060	0.0040 J	<0.00010	<0.0013	0.0064 J	0.28
Appleton	9/24/2014 4/15/2015	<0.0655	<0.0068 <0.0072	<0.001 <0.00060	0.757 0.858	<0.0034 0.0041 J	<0.010	<0.0016 <0.0030	<0.00010 <0.00010	<0.0013	<0.0058 0.0026 J	NA 0.02
Terracon Appleton	6/3/2015	0.054 J <0.0655	<0.0072	<0.000	0.858	<0.00413	<0.010 <0.020	<0.0030	<0.00010	<0.0014 0.0013 J	<0.0026 3	0.92 NA
Appleton	10/21/2015	0.105 J	<0.0068	<0.0010	0.676	<0.0034	<0.020	0.0024 J	<0.00010	<0.00133	0.0078 J	NA NA
Terracon	5/12/2016	0.0637 J	<0.0072	<0.00060	0.645	<0.0036	<0.0068	<0.0030	< 0.00013	0.0018 J	<0.0013	0.70
Appleton	5/17/2016	<0.090	<0.001	<0.010	0.530	<0.010	<0.007	<0.030	<0.0002	<0.020	<0.01	NA
Appleton	11/1/2016	<0.090	<0.010	<0.010	0.560	<0.010	<0.007	<0.030	<0.0002	<0.020	<0.010	NA
Appleton Terracon	4/27/2017 6/8/2017	<0.060 <0.0555	<0.001 <0.0083	<0.010 <0.0013	0.370 0.345	<0.010 <0.0063	0.007 <0.0068	<0.030 <0.0043	<0.0002 <0.00013	<0.020 <0.0026	<0.010 <0.0093	NA 0.35
Appleton	11/9/2017	not availab		<u> </u>	0.340	<0.0003	<u> </u>	<u> </u>	<0.00013	<0.0020	<0.0093	NA
			-		1		1	·		<u> </u>		





October 09, 2017

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

RE: Project: 58117057 MAUTHE

Pace Project No.: 40158001

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

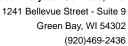
Dan Milewsky dan.milewsky@pacelabs.com (920)469-2436

Project Manager

Day Mileny

Enclosures







CERTIFICATIONS

Project: 58117057 MAUTHE

Pace Project No.: 40158001

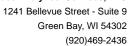
Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0



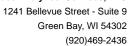


SAMPLE SUMMARY

Project: 58117057 MAUTHE

Pace Project No.: 40158001

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40158001001	OUTFALL-001	Water	10/05/17 07:50	10/05/17 12:54





SAMPLE ANALYTE COUNT

Project: 58117057 MAUTHE

Pace Project No.: 40158001

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40158001001	OUTFALL-001	EPA 6010	DLB	1	PASI-G
		SM 3500-Cr B (Online)	DEY	1	PASI-G



Green Bay, WI 54302 (920)469-2436

SUMMARY OF DETECTION

Project: 58117057 MAUTHE

Pace Project No.: 40158001

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40158001001	OUTFALL-001					
EPA 6010 SM 3500-Cr B (Online)	Chromium, Dissolved Chromium, Hexavalent	410 0.44	ug/L mg/L	10.0 0.043	10/06/17 13:49 10/06/17 07:30	

Green Bay, WI 54302 (920)469-2436



Pace Analytical www.pacelabs.com

PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40158001

Method: EPA 6010

Description: 6010 MET ICP, Dissolved
Client: Terracon, Inc. - Franklin
Date: October 09, 2017

General Information:

1 sample was analyzed for EPA 6010. 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:



Green Bay, WI 54302 (920)469-2436

PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40158001

Method: SM 3500-Cr B (Online)
Description: Chromium, Hexavalent
Client: Terracon, Inc. - Franklin
Date: October 09, 2017

General Information:

1 sample was analyzed for SM 3500-Cr B (Online). 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:

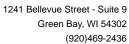
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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.





ANALYTICAL RESULTS

Project: 58117057 MAUTHE

Pace Project No.: 40158001

Date: 10/09/2017 01:23 PM

Sample: OUTFALL-001	Lab ID:	40158001001	Collecte	d: 10/05/17	7 07:50	Received: 10	/05/17 12:54 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical	Method: EPA 6	010						
Chromium, Dissolved	410	ug/L	10.0	2.5	1		10/06/17 13:49	7440-47-3	
Chromium, Hexavalent	Analytical	Method: SM 35	500-Cr B (O	nline)					
Chromium, Hexavalent	0.44	mg/L	0.043	0.013	2.5		10/06/17 07:30		



QUALITY CONTROL DATA

Project: 58117057 MAUTHE

Pace Project No.: 40158001

Date: 10/09/2017 01:23 PM

QC Batch: 269766 Analysis Method: EPA 6010

QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved

Associated Lab Samples: 40158001001

METHOD BLANK: 1585467 Matrix: Water

Associated Lab Samples: 40158001001

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Chromium, Dissolved ug/L <2.5 10.0 10/06/17 12:44

LABORATORY CONTROL SAMPLE: 1585468

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Chromium, Dissolved ug/L 500 486 97 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1585469 1585470

MS MSD 40157988002 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual Chromium, Dissolved 500 479 75-125 20 ug/L <2.5 500 483 96 97

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.



QUALITY CONTROL DATA

Project: 58117057 MAUTHE

Pace Project No.: 40158001

QC Batch: 269691

Date: 10/09/2017 01:23 PM

QC Batch Method: SM 3500-Cr B (Online)

Analysis Method: Analysis Description: SM 3500-Cr B (Online)

Chromium, Hexavalent by 3500

Associated Lab Samples: 40158001001

METHOD BLANK: 1585119 Matrix: Water

Associated Lab Samples: 40158001001

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Chromium, Hexavalent mg/L <0.0051 0.017 10/06/17 07:30

LABORATORY CONTROL SAMPLE: 1585120

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Chromium, Hexavalent mg/L 0.30 100 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1585121 1585122

MS MSD 40158001001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual .75 1.2 1.2 90-110 20 Chromium, Hexavalent mg/L 0.44 .75 105 103

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.

(920)469-2436



QUALIFIERS

Project: 58117057 MAUTHE

Pace Project No.: 40158001

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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.

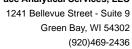
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

Date: 10/09/2017 01:23 PM

PASI-G Pace Analytical Services - Green Bay





QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58117057 MAUTHE

Pace Project No.: 40158001

Date: 10/09/2017 01:23 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40158001001	OUTFALL-001	EPA 6010	269766		•
40158001001	OUTFALL-001	SM 3500-Cr B (Online)	269691		

(D)	(Please Print Clearly)				UPPER MIDWEST REGION	REGION	Page 1 of
Company Name:					MN: 612-607-1700	MN: 612-607-1700 WI: 920-469-2436	
	1 C 1 C a CON			。 たごよ	\$		3 04
brancn/Location:	M. Iwank+r		NWW.DBC	www.pacelabs.com			3
Project Contact:	Scott Hodgon	<				Quote #:	peq
Phone:	414-209-7640	O	CHAIN OF	OF CUS	CUSTODY	Mail To Contact:	
Project Number:	58 117057	A=None B=HCL	804	je.	F=Methanol G=NaOH	Mail To Company:	SAC.
Project Name:	Mauthe	H=Sodium Bisulfate Solution		I=Sodium Thiosulfate	J≍Other	Mail To Address:	
Project State:	WI	FILTERED? (YES/NO)	YIN V	N			
Sampled By (Print):	Scott A. Hodgson	ō.	Pick .	A		Invoice To Contact:	
Sampled By (Sign):	detta Makes	Ser	щ	ш		Invoice To Company:	
PO #:		Regulatory Program:	かな	יי,מו		Invoice To Address:	
Data Package Options (billable)	MS/MSD	i ies i	O 4)	uwy			<u>}</u>
EPA Level III	(billable)	B = Biota DW = Drinking Water C = Charcoal GW = Ground Water O = Oil SW = Surface Water) (Þ	כו		Invoice To Phone:	
LEPA Level	your sample si	15	Tol	151		CLENT	LAB COMMENTS Profile #
PACE LAB#		DATE TIME MATRIX		1		COMMENTS	(Lab Use Only)
no 100	64TFALZ-COI	10/5/17 7.50Am WW	ଜନ୍ୟ <mark>ଜନ୍ୟ</mark>	-330 056-		2-250mlp	AD
				Marine Carpel Agricular		•	
				nerval de Printerio de se			
				:			
Rush Turnarou (Rush TAT sui	Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)	Relinquished By A. Ho	dam	Date/Time: <i>Iul SI</i> m	0830 Lun Ke	The Par 1015/1	17 Of Chil And Chile
Date	Date Needed:	100	1.00	Ĭ	Received By	Date/Time:	,
Transmit Prelim Rush Email #1:	Transmit Prelim Rush Results by (complete what you want): all #1:	Relinquished By:			Received By:	Date/Time:	Receipt Temp = KO °C
Email #2:				неделерую из в муниценерую принистроменной поментульности повети избанилист		колорыя петентику купетана выполня выполня выполня выполня выполня выполня выполня выполня выполня выполня вып	Sample Receipt pH
Telephone: Fax:		Relinquished By:		Date/Time:	Received By:	Date/Time:	Cooler Custody Seal
	Samples on HOLD are subject to	Relinquished By:	ANTE CANTENDOS DE TRACEMENTA DE CONTRACTOR D	Date/Time:	Received By:	Date/Time:	V2.
special prici	special pricing and release of liability						Intact / Not Intact Version 6.0 06/14/06

OPIGINAL

Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI 1241 Bellevue Street, Suite 9 Green Bay, WI 54302

Custody Seal on Cooler/Box Present:	Client Name: Courier: Fed Ex UPS Client Pace Other: Tracking #: Custody Seal on Cooler/Box Present: Fyes no Seals intact: Fyes no Custody Seal on Samples Present: Fyes no Seals intact: Fyes no Packing Material: Bubble Wrap Bubble Bags None Other Thermometer Used Cooler Temperature Uncorr: Corr: Biological Tissue is Frozen: Fyes no Date: Glick Samples on ice, cooling process has be Cooler Temperature Uncorr: Ves no Temp Should be above freezing to 6°C. Biota Samples may be received at < 0°C. Chain of Custody Present: Fyes No Ni/A 2. Chain of Custody Relinquished: Fyes No Ni/A 3. Sampler Name & Signature on COC: Fyes No Ni/A 4. Samples Arrived within Hold Time: Fyes No Ni/A 5. - VOA Samples frozen upon receipt Fyes No Ni/A 6.	_
Courier: Fed Ex F UPS Client Pace Other: Tracking #: Custody Seal on Cooler/Box Present: Fyes P no Seals intact: Fyes P no Packing Matria: Bubble Wrap F Bubble Bags None F Other Thermometer Used Packing Materia: For Pace P Bubble Bags None F Other Thermometer Used P Posent: Fyes P no Packing Materia: For Pace P Bubble Bags P None F Other Thermometer Used P Posent: For P Pose P Posent: For P Pose P Posent: For P Pose P Posent: For P Pose P Posent: For P Pose P Posent: For P Pose P Posent: For P Pose P Pose P Posent: For P Pose P Posent: For P Pose P Pose P Pose P P Pose P P Pose P P P P P P P P P P P P P P P P P P P	Courier: Fed Ex UPS Client Pace Other: Tracking #: Custody Seal on Cooler/Box Present: Fyes no Seals intact: Fyes no Custody Seal on Samples Present: Fyes no Seals intact: Fyes no Determined interest. Fyes no Seals intact: Fyes no Determined interest. Fyes no Seals intact: Fyes no Determined interest. Fye	1
Coustody Seal on Cooler/Box Present:	Tracking #: Custody Seal on Cooler/Box Present:	-
Coustody Seal on Cooler/Box Present: yes no Seals intact: yes No No No No No No No N	Tracking #: Custody Seal on Cooler/Box Present:	
Custody Seal on Samples Present:	Custody Seal on Samples Present:	
Packing Material:	Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other Thermometer Used ☐ Uncorr: ☐ I/Corr: ☐ Biological Tissue is Frozen: ☐ yes Temp Blank Present: ☐ yes ☐ no Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C. ☐ Chain of Custody Present: ☐ Yes ☐ No ☐ N/A ☐ 1. Chain of Custody Filled Out: ☐ Yes ☐ No ☐ N/A ☐ 2. Chain of Custody Relinquished: ☐ Yes ☐ No ☐ N/A ☐ 3. Sampler Name & Signature on COC: ☐ Yes ☐ No ☐ N/A ☐ 4. Samples Arrived within Hold Time: ☐ Yes ☐ No ☐ N/A ☐ 5. — VOA Samples frozen upon receipt ☐ Yes ☐ No ☐ N/A ☐ 6. Short Hold Time Analysis (<72hr): ☐ Yes ☐ No ☐ N/A ☐ 6.	14-14-14-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1
Type of ice We Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling process has beg Blue Dry None Samples on ice, cooling present Person on Inval Inv	Thermometer Used Cooler Temperature Uncorr:	
Cooler Temperature Uncorr: Corr: Corr: Biological Tissue is Frozen: yes Yes Temp Blank Present: yes No No Temp should be above freezing to 6°C. Comments: Comm	Cooler Temperature Uncorr: /Corr: R Biological Tissue is Frozen: yes Temp Blank Present: yes no Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C. Chain of Custody Present: Area no coolers	earin
Temp Blank Present:	Temp Blank Present:	-guii
Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C. Chain of Custody Present: Chain of Custody Filled Out: Chain of Custody Filled Out: Chain of Custody Filled Out: Chain of Custody Relinquished: Samples Arrived within Hold Time: - VOA Samples frozen upon receipt Yes No NNA 4. Samples Arrived within Hold Time: - VOA Samples frozen upon receipt Yes No NNA 5. - VOA Samples frozen upon receipt Yes No NNA 6. Rush Turn Around Time Requested: Correct Containers Used: - Pace Containers Used: - Pace Containers Used: - Pace R Con	Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C. Chain of Custody Present: Chain of Custody Filled Out: Chain of Custody Relinquished: Sampler Name & Signature on COC: Samples Arrived within Hold Time: - VOA Samples frozen upon receipt Short Hold Time Analysis (<72hr): Date: (0/5)	ntents:
Chain of Custody Filled Out: Yes No ONA 2	Chain of Custody Filled Out: Yes	<u>Urren</u>
Chain of Custody Relinquished: Stampler Name & Signature on COC: Stamples Short Hold Time: Short Hold Time: Short Hold Time Analysis (<72hr): Stamples Short Hold Time Analysis (<72hr): Short Hold Time: Short Hold T	Chain of Custody Relinquished: Sampler Name & Signature on COC: Yes No N/A 4. Samples Arrived within Hold Time: - VOA Samples frozen upon receipt Yes No No Date/Time: Yes No N/A 6.	
Sampler Name & Signature on COC: Yes No NA 4.	Sampler Name & Signature on COC: Yes	
Samples Arrived within Hold Time: - VOA Samples frozen upon receipt Yes No Date/Time:	Samples Arrived within Hold Time: - VOA Samples frozen upon receipt Short Hold Time Analysis (<72hr): Yes No NA 5. Date/Time: 6.	
- VOA Samples frozen upon receipt	- VOA Samples frozen upon receipt	
Short Hold Time Analysis (<72hr): Yes	Short Hold Time Analysis (<72hr):	
Rush Turn Around Time Requested:		
Sufficient Volume: Correct Containers Used: -Pace Containers Used: -Pace IR Containers Used: -Pace		
Correct Containers Used: -Pace Containers Used: -Pace IR Containers Used: -Pace IR Containers Used: -Pace IR Containers Used: -Pace IR Containers Used: -Pace IR Containers Used: -Pace IR Containers Used: -Pace IR Containers Intact: -Pace IR Containers Intact: -Pace IR Containers Intact: -Pace IR Containers Used: -Pace IN O N/A -Pace I		, ,
-Pace Containers Used: -Pace IR Containers U	Sufficient Volume: 10517 Aves (2No DN/A 8. NO MS/MSD K4 101517	·
-Pace IR Containers Used: Yes	Correct Containers Used: ☐Yes ☐No ☐N/A 9.	
Containers Intact: Yes No NI/A 10.	-Pace Containers Used: ✓Yes □No □N/A	
Filtered volume received for Dissolved tests Yes No Initial when completed Initial when	-Pace IR Containers Used:	
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: All containers needing preservation have been checked. Non-Compliance noted in 13.) All containers needing preservation are found to be in compliance with EPA recommendation. HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12) Exceptions: VOA, coliform, TOC, TOX, TOH, ObeG, WIDROW, Phenolics, OTHER: Trip Blank Present: Trip Blank Present: Trip Blank Custody Seals Present Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Person Contacted: Date/Time: If checked, see attached form for additional commendation. In thick In the complete of the checked of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the checked	Containers Intact:	
-Includes date/time/ID/Analysis Matrix: All containers needing preservation have been checked. (Non-Compliance noted in 13.) All containers needing preservation have been checked. (Non-Compliance noted in 13.) All containers needing preservation are found to be in compliance with EPA recommendation. (Non-Compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12) exceptions: VOA, coliform, TOC, TOX, TOH, OAG, WIDROW, Phenolics, OTHER:	Filtered volume received for Dissolved tests	
All containers needing preservation have been checked. (Non-Compliance noted in 13.) All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 <2; NaOH+ZnAct ≥9, NaOH ≥12) Exceptions: VOA, coliform, TOC, TOX, TOH, DasG, WIDROW, Phenolics, OTHER: Headspace in VOA Vials (>6mm): Trip Blank Present: Trip Blank Custody Seals Present Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Person Contacted: Date/Time: If checked, see attached form for additional comments.	Sample Labels match COC: □ Ves □ No □ N/A 12.	
(Non-Compliance noted in 13.) All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12) exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER: Headspace in VOA Vials (>6mm): Trip Blank Present: Trip Blank Custody Seals Present Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Person Contacted: Date/Time: Yes No N/A 14. Initial when completed Lab Std #ID of preservative Date/Time: Date/Time: If checked, see attached form for additional comments. Date/Time: Date	-Includes date/time/ID/Analysis Matrix: (人)	
compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12) exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics. OTHER: OYes No No Nitial when completed preservative ONA Headspace in VOA Vials (>6mm): Trip Blank Present: OYes No No N/A Trip Blank Custody Seals Present OYes No N/A Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Person Contacted: Date/Time:	(Non-Compliance noted in 13.) Yes No N/A 13.	ZnAct
Pace Trip Blank Lot # (if purchased): Person Contacted: Contacted:	compliance with EPA recommendation.	
Dasg, WIDROW, Phenolics, OTHER:	Nearttens: VGA coliform TGC TGX TGH Date/	
Trip Blank Present: Yes No M/A	D&G, WIDROW, Phenolics, OTHER: Yes No completed preservative Time:	
Trip Blank Custody Seals Present		
Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Person Contacted: Date/Time:	′ /	
Client Notification/ Resolution: If checked, see attached form for additional comme Person Contacted: Date/Time:	Trip Blank Custody Seals Present □Yes □No ☑N/A	
Person Contacted: Date/Time:		monto [
		TICINO _

F-GB-C-031-Rev.04 (12Dec2016) SCUR.xls Pace Analytical Services LLC. - Green Bay WI





November 27, 2017

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

RE: Project: 58117057 MAUTHE

Pace Project No.: 40160462

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on November 09, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

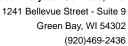
Dan Milewsky dan.milewsky@pacelabs.com (920)469-2436

Project Manager

Day Mileny

Enclosures







CERTIFICATIONS

Project: 58117057 MAUTHE

Pace Project No.: 40160462

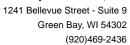
Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0



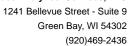


SAMPLE SUMMARY

Project: 58117057 MAUTHE

Pace Project No.: 40160462

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40160462001	OUTFALL-001	Water	11/09/17 08:05	11/09/17 13:45





SAMPLE ANALYTE COUNT

Project: 58117057 MAUTHE

Pace Project No.: 40160462

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40160462001	OUTFALL-001	EPA 6010	JLD	1	PASI-G
		SM 3500-Cr B (Online)	DEY	1	PASI-G





SUMMARY OF DETECTION

Project: 58117057 MAUTHE

Pace Project No.: 40160462

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40160462001	OUTFALL-001					
EPA 6010 SM 3500-Cr B (Online)	Chromium, Dissolved Chromium, Hexavalent	718 0.76	ug/L mg/L	10.0 0.086	11/16/17 18:57 11/09/17 14:50	



1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40160462

Method: EPA 6010

Description: 6010 MET ICP, Dissolved
Client: Terracon, Inc. - Franklin
Date: November 27, 2017

General Information:

1 sample was analyzed for EPA 6010. 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:



PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40160462

Method: SM 3500-Cr B (Online)
Description: Chromium, Hexavalent
Client: Terracon, Inc. - Franklin
Date: November 27, 2017

General Information:

1 sample was analyzed for SM 3500-Cr B (Online). 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:

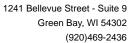
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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.





ANALYTICAL RESULTS

Project: 58117057 MAUTHE

Pace Project No.: 40160462

Date: 11/27/2017 10:21 AM

Sample: OUTFALL-001	Lab ID:	40160462001	Collecte	d: 11/09/17	08:05	Received: 11	/09/17 13:45 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Chromium, Dissolved	718	ug/L	10.0	2.5	1		11/16/17 18:57	7440-47-3	
Chromium, Hexavalent	Analytical	Analytical Method: SM 3500-Cr B (Online)							
Chromium, Hexavalent	0.76	mg/L	0.086	0.026	5		11/09/17 14:50		



QUALITY CONTROL DATA

EPA 6010

Project: 58117057 MAUTHE

Pace Project No.: 40160462

Date: 11/27/2017 10:21 AM

QC Batch: 273790 Analysis Method:

QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved

Associated Lab Samples: 40160462001

METHOD BLANK: 1610791 Matrix: Water

Associated Lab Samples: 40160462001

Parameter Units Result Limit Analyzed Qualifiers

Chromium, Dissolved ug/L <2.5 10.0 11/16/17 18:09

LABORATORY CONTROL SAMPLE: 1610792

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Chromium, Dissolved ug/L 500 472 94 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1610793 1610794

MS MSD MS 40160448019 Spike Spike MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual Chromium, Dissolved 500 470 472 75-125 0 20 ug/L <2.5 500 94 94

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.



QUALITY CONTROL DATA

Project: 58117057 MAUTHE

Pace Project No.: 40160462

QC Batch: 273659

QC Batch Method: SM 3500-Cr B (Online)

Associated Lab Samples: 40160462001 Analysis Method:

SM 3500-Cr B (Online)

Chromium, Hexavalent by 3500

METHOD BLANK: 1609922 Matrix: Water

Associated Lab Samples: 40160462001

LABORATORY CONTROL SAMPLE:

Date: 11/27/2017 10:21 AM

Blank Reporting

Analysis Description:

Parameter Units Result Limit Analyzed Qualifiers Chromium, Hexavalent < 0.0051 0.017 11/09/17 12:35

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Chromium, Hexavalent mg/L 0.31 103 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1609925 1609924

1609923

mg/L

MS MSD 40160431001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 7.5 7.5 7.5 90-110 20 Chromium, Hexavalent mg/L < 0.13 7.5 99 100

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.



QUALIFIERS

Project: 58117057 MAUTHE

Pace Project No.: 40160462

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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.

LABORATORIES

Date: 11/27/2017 10:21 AM

PASI-G Pace Analytical Services - Green Bay



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58117057 MAUTHE

Pace Project No.: 40160462

Date: 11/27/2017 10:21 AM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40160462001	OUTFALL-001	EPA 6010	273790		
40160462001	OUTFALL-001	SM 3500-Cr B (Online)	273659		

(riease rint clearly)		UPPER MIDWEST REGION	NOIS	Page 1
Company Name: Terracon		MN: 612-607-1700 WI: 920-469-2436	11: 920-469-2436	5
Branch/Location: W. \ waukee	f ace	4		
Project Contact: 5cott Hoda	So >	A	Ouofe #:	1
Phone: 414-209-784	CHAIN OF CUSTOD		Mail To Contact:	
Project Number: 58 117057	*Preservation SO4 D=HN03	F=Methanol G=NaOH	Mail To Company:	Son
Project Name: Marthe	l≃Sodium Thiosulfate		Mail To Address:	
IM.	FILTERED? (YES/NO)			
Scott A.	Hod 5 30 PRESERVATION PICK D R		Invoice To Contact:	
Sampled By (Sign): Lot A. 1404	p		Invoice To Company:	
	;W(Invoice To Address:	
MS/MSD	Redui)
(billable) NOT needed c	B = Biota Dw = Drinking Water C = Charcoal GW = Ground Water O = Oil SW = Surface Water X = Soil WM = Water Water		Invoice To Phone:	A
PACE LAB # CLIENT FIELD ID	MATRIX		CLENT	LAB COMMENTS Profile #
OUTFALL-COI	(35) (35)		COMMENIO	(Lab Use Only)
				2-250mcpm
Rush Turnaround Time Reguested - Prolimo				
(Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: Hotlow		Peck. II PAIN	COIS PACE Project No.
Transmit Prelim Rush Results by (complete what you want):	m): Rochul Was Bus 119115 1345	Received By:	Date/Time:	7 atopiot
			7	Receir
Telephone:	Relinquished By: Date/Time:	Received By:		Samble Receipt pH (OK/)Adjusted
Samples on HOLD are subject to	A TO COMPANY AND THE CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CO			Cooler Custody Seal
special pricing and release of liability	rein quisineu by: Date/Time:	Received By:	Date/Time:	Present / Not Present
	MANUAL MA	en sensial de mande en construction de mande de sensial de mande de mande de sensial de sensial de sensial de s		HIGGS INC.

Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI 1241 Bellevue Street, Suite 9 Green Bay, WI 54302

Pace Analytical*

Client Name: Terracor Courier: Fed Ex TUPS Client Page				
racking #: Sustody Seal on Cooler/Box Present: yes Sustody Seal on Samples Present: yes acking Material: Bubble Wrap Bub	no Seals inta	ct: yes no	40160462	
Chermometer Used Cooler Temperature Uncorr: 1/2 //Corr:	Type of Ice: We	Blue Dry None logical Tissue is Fro		n ice, cooling process has begun
emp Blank Present: yes no iemp should be above freezing to 6°C. iiota Samples may be received at ≤ 0°C.		Comments:	r no	Person examining contents Date:/
Chain of Custody Present:	☐Yes □No □N			
Chain of Custody Filled Out:	Øres □No □N/	A 2.		
Chain of Custody Relinquished:	ZYes □No □N/			
Sampler Name & Signature on COC:	ZÎYes □No □N/			
Samples Arrived within Hold Time:	Yes No No			
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:		
Short Hold Time Analysis (<72hr):	Yes DNo DN/			
Rush Turn Around Time Requested:	□Yes 🗖No □N/			
Sufficient Volume:	□Yes ØNo □N//	A !	MSD vol.	11-9-171
Correct Containers Used:	ØYes □No □N//		- D VU/1	1/09-1/6
-Pace Containers Used:	✓Yes □No □N//	1		
-Pace IR Containers Used:	/ □Yes □No ØN//	i		
ontainers Intact:	Yes ONO ON/			
iltered volume received for Dissolved tests	ØYes □No □N/A			
ample Labels match COC:			ed water	- soluble ink
-Includes date/time/ID/Analysis Matrix:	w			11-9-17k
Il containers needing preservation have been checked. Jon-Compliance noted in 13.) Il containers needing preservation are found to be in ompliance with EPA recommendation.	Yes No NA	13. HNO3	Г H2SO4 Г	NaOH NaOH +ZnAct
INO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	Yes No N/A			
ceptions: VOA, coliform, TOC, TOX, TOH, G, WIDROW, Phenolics, OTHER:	□Yes ØNo	1 2 2 2 2	ab Std #ID of reservative	Date/ Time:
eadspace in VOA Vials (>6mm):	□Yes □No ØN/A	14.		
ip Blank Present:	□Yes □No ØN/A			
ip Blank Custody Seals Present	□Yes □No ØN/A			
ace Trip Blank Lot # (if purchased):				
ient Notification/ Resolution: Person Contacted: Comments/ Resolution:	Date/		ecked, see attache	d form for additional comments
Project Manager Review:	L BV DI	\sim	Date:	11-9-17





December 13, 2017

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

RE: Project: 58117057 MAUTHE

Pace Project No.: 40162053

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

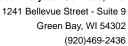
Dan Milewsky dan.milewsky@pacelabs.com (920)469-2436

Project Manager

Day Mileny

Enclosures







CERTIFICATIONS

Project: 58117057 MAUTHE

Pace Project No.: 40162053

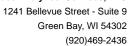
Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0



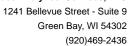


SAMPLE SUMMARY

Project: 58117057 MAUTHE

Pace Project No.: 40162053

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40162053001	OUTFALL-001	Water	12/07/17 07:45	12/07/17 12:35



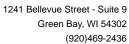


SAMPLE ANALYTE COUNT

Project: 58117057 MAUTHE

Pace Project No.: 40162053

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40162053001	OUTFALL-001	EPA 6010	JLD	1	PASI-G
		SM 3500-Cr B (Online)	DEY	1	PASI-G



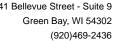


SUMMARY OF DETECTION

Project: 58117057 MAUTHE

Pace Project No.: 40162053

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40162053001	OUTFALL-001					
EPA 6010 SM 3500-Cr B (Online)	Chromium, Dissolved Chromium, Hexavalent	755 0.82	ug/L mg/L	10.0 0.086	12/11/17 19:02 12/07/17 14:30	





PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40162053

Method: EPA 6010

Description: 6010 MET ICP, Dissolved
Client: Terracon, Inc. - Franklin
Date: December 13, 2017

General Information:

1 sample was analyzed for EPA 6010. 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:



Green Bay, WI 54302 (920)469-2436

PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40162053

Method: SM 3500-Cr B (Online)
Description: Chromium, Hexavalent
Client: Terracon, Inc. - Franklin
Date: December 13, 2017

General Information:

1 sample was analyzed for SM 3500-Cr B (Online). 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:

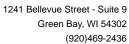
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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.





ANALYTICAL RESULTS

Project: 58117057 MAUTHE

Pace Project No.: 40162053

Date: 12/13/2017 11:22 AM

Sample: OUTFALL-001	Lab ID:	40162053001	Collecte	d: 12/07/17	7 07:45	Received: 12	/07/17 12:35 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Chromium, Dissolved	755	ug/L	10.0	2.5	1		12/11/17 19:02	7440-47-3	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B (Online)								
Chromium, Hexavalent	0.82	mg/L	0.086	0.026	5		12/07/17 14:30		



QUALITY CONTROL DATA

EPA 6010

Project: 58117057 MAUTHE

Pace Project No.: 40162053

Date: 12/13/2017 11:22 AM

QC Batch: 276775 Analysis Method:

QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved

Associated Lab Samples: 40162053001

METHOD BLANK: 1627522 Matrix: Water

Associated Lab Samples: 40162053001

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Chromium, Dissolved ug/L <2.5 10.0 12/12/17 12:58

LABORATORY CONTROL SAMPLE: 1627523

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Chromium, Dissolved ug/L 500 530 106 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1627524 1627525

MS MSD 40162156001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual Chromium, Dissolved 500 75-125 0 20 ug/L <2.5 500 530 530 106 106

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.



QUALITY CONTROL DATA

58117057 MAUTHE Project:

Pace Project No.: 40162053

QC Batch: 276538

Associated Lab Samples:

Date: 12/13/2017 11:22 AM

QC Batch Method: SM 3500-Cr B (Online)

40162053001

Analysis Method: SM 3500-Cr B (Online)

Analysis Description: Chromium, Hexavalent by 3500

METHOD BLANK: 1626344 Matrix: Water

Associated Lab Samples: 40162053001

> Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers Chromium, Hexavalent < 0.0051 0.017 12/07/17 14:30 mg/L

LABORATORY CONTROL SAMPLE: 1626345

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Chromium, Hexavalent mg/L 0.31 103 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1626347 1626346

MS MSD 40162053001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 0.82 2.4 90-110 20 Chromium, Hexavalent mg/L 1.5 1.5 2.4 108 107

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.



QUALIFIERS

Project: 58117057 MAUTHE

Pace Project No.: 40162053

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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.

LABORATORIES

Date: 12/13/2017 11:22 AM

PASI-G Pace Analytical Services - Green Bay



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58117057 MAUTHE

Pace Project No.: 40162053

Date: 12/13/2017 11:22 AM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40162053001	OUTFALL-001	EPA 6010	276775		
40162053001	OUTFALL-001	SM 3500-Cr B (Online)	276538		

93ge 13 of 14 Profile # Present /Not Present Cooler Custody Seal ŏ Sample Receipt pH PACE Project No. Receipt Temp = 8 Op / Adjusted YOK 2053 46/6 205 LAB COMMENTS Page (Lab Use Only) 3-250LL Date/Time: 2115 RSY Invoice To Company: Invoice To Contact: Mail To Company: Invoice To Address: Mail To Contact: Mail To Address: Invoice To Phone: COMMENTS MN: 612-607-1700 WI: 920-469-2436 Date/Time: Quote #: Date/Time: CLENT UPPER MIDWEST REGION D=HNO3 E=DI Water F=Methanol G=NaOH THE STATE OF Received By: CHAIN OF CUSTODY Received By: deceived By: 0830 I=Sodium Thiosulfate Pace Analytical ® Date/Time: Date/Time: Date/Time: hin; weigh 2 a A=None B=HCL C=H2SO4 Total Chromium Relinquished By: Lothern Lothern H=Sodium Bisulfate Solution YIN PRESERVATION (CODE)* Acol Comment WW ARYT PALLEI MATRIX FILTERED? (YES/NO) W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water Matrix Codes WP = Wipe COLLECTION Relinquished By: Relinquished By: delinquished By: DATE Regulatory A = Air
B = Biota
C = Charcoal
O = Oil
S = Soil 5 cott Hodgson 5 cott A. Hodgson 414-369- 764D Transmit Prelim Rush Results by (complete what you want): Rush Turnaround Time Requested - Prelims m: Iwanker (Rush TAT subject to approval/surcharge) On your sample NOT needed on your sample (Please Print Clearly) 58117057 OUTFALL-001 Terracon (billable) MS/MSD Mauthr 34 special pricing and release of liability Samples on HOLD are subject to Date Needed: Data Package Options (billable) EPA Level III ☐ EPA Level IV Sampled By (Print): Sampled By (Sign): Branch/Location: Company Name: Project Contact: Project Number: Project Name: Project State: PACE LAB# Phone: S Telephone: Email #1: Email #2:

C019a(27Jun2006)

Intact / Not Intact ersion 6.0 06/14/06

Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI 1241 Bellevue Street, Suite 9 Green Bay, WI 54302

Pace Analytical ™		·	1241 Bellevue Street, St Green Bay, WI 5
Client Name:	Pro	Dject #: WO#:	40162053
Courier: Fed Ex UPS Client Tracking #:	Pace Other:	_	
Custody Seal on Cooler/Box Present: Ty	es Y no. Soals intest.	40162053	
Custody Seal on Samples Present: yes	no Seals intact: Tyes T	· no	
Packing Material: Bubble Wyap E	Bubble Bags R None Cothe	i NO	
Thermometer Used	Type of Ice: We Blue Dry		
Cooler Temperature Uncorr. Roll ICon		e is Frozen: Tyes	on ice, cooling process has begun
Temp Blank Present: yes no		no	Paran
Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C.	Comments	* 4	Person examining contents: Date: 17/7/12 Initials: 557
Chain of Custody Present:	Yes □No □N/A 1.		
Chain of Custody Filled Out:	ØYes □No □N/A 2.		
Chain of Custody Relinquished:	Yes DNo DN/A 3.		
Sampler Name & Signature on COC:			
Samples Arrived within Hold Time:			
 VOA Samples frozen upon receipt)		
Short Hold Time Analysis (<72hr):	Date/fille.		
Rush Turn Around Time Requested:			
Sufficient Volume:	□Yes No □N/A 7.		
Correct Containers Used:	□Yes \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		m 12/7/12
-Pace Containers Used:	× _ 1	solvable ink	
-Pace IR Containers Used:	Yes No N/A		50, 12/1
Containers Intact:	☐Yes ☐No ☐N/A		55h 12/1/1-
	ŻYes □No □N/A 10.		
Filtered volume received for Dissolved tests	Yes No N/A 11.		
Cample Labels match COC:	Yes □No □N/A 12.		
-Includes date/time/ID/Analysis Matrix:	W		
von-Compliance noted in 13.)	TYPES UNO UN/A 13.	NO3 H2SO4	NaOH NaOH +ZnAct
Il containers needing preservation are found to be in ompliance with EPA recommendation.		•	THE THE PARTY OF T
INO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH >12)	Tres No N/A		
ceptions: VOA, coliform, TOC, TOX, TOH, G, WIDROW, Phenolics, OTHER:	☐Yes No Initial when completed		Date/
eadspace in VOA Vials (>6mm):	□Yes □No North 14.	preservative	Time:
ip Blank Present:	□Yes □No □N/A 15.		
ip Blank Custody Seals Present	□Yes □No □NO/A		
ace Trip Blank Lot # (if purchased):	2,00		
ient Notification/ Resolution: Person Contacted:		If checked, see attacho:	d form for additional comments
Comments/ Resolution:	Date/Time:		a lorri ioi additional comments
Project Manager Review:	A		
B-C-031-Rev.04 (12Dec2016) SCUR.xls	to, pm	Date: _ /	2/7/17

Pace Analytical Services LLC. - Green Bay WI