October 11, 2019



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: 2019 Third Quarter Compliance Monitoring Report, Industrial User (Wastewater Discharge) Permit #18-21 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. 18-21, issued on May 31, 2018, which expires on May 31, 2021. This report covers the period of July 1, 2019, through September 30, 2019, 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 Terracon on July 10, 2019, and by the City of Appleton on September 18, 2019, but the City of Appleton results are not yet available. There were no exceedances. or 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 2019 sampling events.

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Terracon Consultants, Inc. 9856 South 57th Street Franklin, Wisconsin 53132 P [414] 423 0255 F [414] 423 0566 terracon.com



Approximately 250 milliliters (mL) of the collected sample was transferred to a new, clean 250mL plastic bottle provided by the laboratory. This unfiltered and unpreserved sample was submitted to Pace Analytical (Pace) laboratory (Green Bay, Wisconsin) for analysis of hexavalent chromium. An additional aliquot of the original sample was transferred to a clean, new 250-mL plastic bottle with nitric acid preservative provided by the laboratory. This unfiltered, preserved sample was submitted to Pace for analysis of total chromium. The laboratory analytic test reports and chain-of-custody record for each of the three monthly sampling rounds (July, August, and September 2019) 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 249,492 gallons with a mean daily flow of approximately 2,711 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."



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.



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

KLK/SAH:klk/\P58WFS01\Data\Projects\2011\58117057\Working Files\Pre-Treatment Permit\Process Compliance reports\Terracon 2019\Third Quarter\Third Quarter 2019 Process 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)	рН	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	рН	Hexavalen 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.
10/22/07		8,355,957	31,282										
10/23/07		8,355,957	0		7.5	1.500			7.04	3.75		NA	
10/29/07		8,370,413	14,456	October									
10/30/07		8,370,413	0	71,891	7.4	1.900			NA	NA		NA	
	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
11/16/07		8,386,583	8,671	21,587									
	12/01/07	8,394,162											
12/03/07		8,395,372	8,789			l					ļ		
12/04/07		8,395,372	0		8.6	3.100	2.500		8.4	4.60		8.6	0
12/12/07		8,399,522	4,150	December									
12/21/07		8,402,508	2,986	25,977									
	01/01/08	8,420,139											
01/01/08		8,420,868	18,360										
01/02/08		8,420,868	0		8.7	1.300	1.200		8.4	4.50		8.7	0
01/02/08		8,421,628	760										
01/10/08		8,459,333	37,705										
01/15/08		8,479,244	19,911	January									
01/25/08		8,497,063	17,819	84,612									
	02/01/08	8,504,750											
02/01/08		8,505,562	8,499										
02/03/08		8,507,408	1,846	February									
02/04/08		8,507,408	0	22,861	8.9	1.700	1.600		8.7	2.60		8.8	0
	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
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
04/01/08		8,661,298	3,669										
04/04/08		8,682,788	21,490			<u> </u>							
04/07/08		8,697,084	14,296			<u> </u>							
04/08/08		8,697,084	0		9.1	0.063			8.7	1.40	ļ	8.9	0
04/14/08		8,790,128	93,044			ļ					ļ		
04/15/08		8,790,128	0		9.1	0.36			8.7	0.90		8.8	0
04/15/08		8,797,710	7,582		I			Installed			Installed		ļ
04/16/08		8,804,525	1		ļ	ļ		1,074		ļ	2,804		
04/16/08		8,806,972	2,447		I			1,589			3,661		ļ
04/21/08		8,826,834	19,862					5,176			11,176		ļ
04/22/08		8,826,834	0		9.1	0.87		5,649	8.8	0.95	12,292	8.9	C
04/28/08		8,860,276	33,442					13,291			36,802		ļ
04/29/08		8,860,276	0	212,193	9.1	0.51		14,721	8.8	0.96	40,534	9.1	C
	05/01/08	8,868,517			I				l		l		ļ
05/05/08		8,890,994	30,718		I			22,372	l		59,203		ļ
05/06/08		8,890,994	0		9.1	0.95	0.679	22,844	8.7	1.14	60,259	8.8	C
05/12/08		8,907,573	16,579		I			28,018	l		70,853		ļ
05/13/08		8,907,573	0		9.2	0.69		28,487	8.8	1.00	71,555	9.0	(
05/19/08		8,920,045			I			32,756	l		79,328		ļ
05/20/08		8,920,045	0		9.1	0.74		33,225	8.8	0.96	80,376	8.9	C
05/26/08		8,929,582	9,537	Мау	ļ	ļ		36,557		ļ	85,277		
05/27/08		8,929,582	0	66,866	9.0	0.60		37,025	8.9	1.04	85,979	8.9	C

			OUTF/	ALL 001				Ma	nhole	#1	Ма	nhole	#2
Data Astro-1	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)		Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/l 1	Reading		Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallong)	pH	Hexavalent Chromium Hach Test Kit (mg/L)
Date Actual	interpolation	, e ,	Ű	(galions)	рН	4.5 mg/∟j	mg/L]	(gallons)	рН	Kit (mg/L)	(gallons)	рп	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	0.5
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	0.3
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	0.3
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	0.1
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	0.5
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	1.0
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	0.5
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	0.3
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	0.3
07/29/08		9,123,409	2,334	July				83,646			237,455		
	08/01/08	9,127,730		100,880									
08/04/08		9,137,140	13,731					87,426			248,221		
08/05/08		9,137,140	0		7.6	1.30	1.260	87,426	7.2	2.72	250,342	7.2	0.4
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	0.2
08/13/08		9,157,388	2,665					92,710			264,058		
08/18/08		9,162,704	5,316			0.00		94,604	= 0		267,897		
08/19/08		9,162,704	0		7.5	0.98		95,077	7.2	2.08	268,595	7.2	0.2
08/19/08		9,163,932	1,228					95,106			268,623 270.020		
08/21/08 08/24/08		9,166,109	2,177					96,049					
08/24/08	├	9,168,274 9,168,274	2,165	August	7.5	1.1		96,993 97,465	7.1	2.25	271,417 272,112	7.1	0.2
00/20/08	09/01/08	9,168,274	0	45,593	с. 1	1.1		97,405	1.1	2.25	212,112	1.1	0.2
09/01/08	09/01/08	9,173,323	5,312	40,090				99,390			274,587		
09/01/08		9,173,586			7.6	1.4	1.290	99,390	7.3	2.50	274,587	73	0.2
09/02/08		9,173,586 9,174,445	÷		0.1	1.4	1.290	99,863	1.3	2.50	274,936	1.3	0.2
09/02/08	├	9,174,445						99,894			274,962		<u> </u>
09/08/08	├	9,176,960			7.5	1.3		100,837	7.2	2.25	276,718	7.3	0.1
09/08/08		9,176,960			<i>c.</i> 1	1.3		101,310	1.2	2.25	277,071	1.3	0.1
09/15/08		9,182,218			76	1.3		103,257	7.3	2.60		76	0.3
					7.6	1.3			1.3	2.00	280,611	7.6	0.3
09/18/08		9,185,245	3,027					104,715			281,689		
09/22/08		9,187,538			75	10		105,663	7.0	0.07	283,095	7 -	
09/23/08		9,187,538			7.5	1.6		106,137	7.3	3.05	283,475	7.5	0.1
09/28/08		9,191,553	4,015	September	7.0	1.0		107,560	7 4	0.70	285,589	74	0.4
09/30/08	10/01/08	9,191,553 <i>9,192,8</i> 67	0	September 19,545	7.6	1.8		108,035	7.4	3.70	285,942	7.4	0.1

			OUTFA	ALL 001				Ma	nhole	#1	Ма	nhole	#2
						Hexavalent Chromium	Total Chromium Lab						
	Date For Linear	Metered Discharge Reading	Gallons Discharged Between Meter	Monthly Discharge		Lab Analysis (mg/L) [Local Limit	Analysis ¹ (mg/L) [Local Limit 7.0	Flow Totalizer #1 Reading		Hexavalent Chromium Hach Test	Flow Totalizer #2 Reading		Hexavalent Chromium Hach Test
Date Actual	Interpolation	(gallons)	Reading	(gallons)	рН	4.5 mg/L]	mg/L]	(gallons)	рН	Kit (mg/L)	(gallons)	рН	Kit (mg/L)
10/05/08		9,195,280	3,727					109,500			287,383		
10/07/08		9,195,280	0		7.7	2.2	2.000	109,975	7.4	4.38	288,093	7.8	0.12
10/07/08		9,196,521	1,241					110,012			288,124		
10/10/08		9,200,017	3,496					110,965			290,943		
10/12/08		9,200,017	0					111,919			291,644		
10/14/08		9,200,017	0		7.8	1.9		112,396	7.5	3.48	292,698	7.8	0.27
10/16/08		9,204,404	4,387					112,906			293,436		
10/18/08		9,206,201	1,797					113,861			294,504		
10/21/08		9,206,201	0		7.8			114,337	7.5	4.02	295,563	7.9	0.28
10/22/08		9,208,980	2,779					114,848			296,250		
10/26/08		9,211,601	2,621					116,279			297,676		
10/28/08		9,211,601	0	October	7.9	2.0		116,756	7.7	3.96	298,743	8.2	0.26
	11/01/08	9,214,938		22,071									
11/01/08		9,215,379	3,778					117,743			300,201		
11/04/08		9,215,379	0		8.0	2.1	1.880	118,698	7.7	4.32	301,273	8.1	0.20
11/04/08		9,217,467	2,088					118,732			301,305		
11/07/08		9,219,330	1,863					119,685			302,376		
11/10/08		9,220,422	1,092					120,162			303,090		
11/20/08		9,229,031	8,609					123,506			309,112		
11/24/08		9,231,935	2,904					124,939			310,833		
11/24/08		9,232,260	325					124,939			311,189		
11/26/08		9,233,464	1,204					125,702			311,660		
11/28/08	40/04/00	9,234,926	1,462	November				126,192			312,744		
40/00/00	12/01/08	9,234,926		19,988		0.0	0.400	107.050	7.0	0.57	011.110	0.0	0.40
12/02/08 12/12/08		9,234,926	0 7,744		8.2	2.3	2.190	127,656 130,122	7.8	3.57	314,118 316,912	8.3	0.18
12/12/08		9,242,670 9,247,587	4,917	December				130,122			316,912		
12/17/06	01/01/09	9,247,387	4,917	31,304				131,303			320,808		
01/02/09	01/01/09	9,268,140	20,553	31,304				136,435			338,229		
01/02/09		9,268,140	20,333		7.8	2.5	2.430	130,433	7.7	4.48	341,351	7.8	1.05
01/12/09		9,200,140	9,279	January	7.0	2.5	2.430	139,384	1.1	4.40	344,897	7.0	1.03
01/12/09	02/01/09	9,287,182	3,219	20,952				155,504			344,097		
02/01/09	02/01/03	9,287,326	9,907	20,002				143,256			351,798		
02/03/09		9,287,326	0		7.8	3.3	2.900	143,738	7.9	4.69	352,143	8.2	0.34
02/05/09		9,288,848	1,522	February				143,772			352,912		
	03/01/09	9,334,332		47,151				-, -				1	
03/01/09		9,335,249	46,401					153,077			393,568		
03/03/09		9,335,249	0		7.6	2.4	1.970	153,561	7.9	4.24	394,973	8.2	0.87
03/11/09		9,355,734	20,485					156,519			412,282		
03/30/09		9,463,572	107,838					182,357			500,471		
03/31/09		9,463,572	0	March				183,323			501,935		
	04/01/09	9,467,680		133,348									
04/01/09		9,469,538	5,966					184,290			504,856		
04/03/09		9,478,305	8,767					187,194			511,375		
04/06/09		9,485,542	7,237					189,607			516,807		
04/07/09		9,485,542	0		7.7	0.84	0.730	190,569	7.9	1.14	518,251	8.1	0.52
04/13/09		9,498,358	12,816					194,432			525,799		
04/14/09		9,498,358	0		7.7	0.59		194,908	8.0	1.20	525,799	8.2	0.27
04/20/09		9,507,740	9,382					198,262			532,295		
04/21/09		9,507,740			7.8	1.0		198,262	8.0	0.96	533,364	8.3	1.74
04/27/09		9,545,303	37,563					208,646			561,846		
04/28/09		9,545,303	0		8.0	1.2		210,663	7.7	1.89	566,157	7.5	0.28

			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)	pH	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рH	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	Ŭ	April			01	,	•	,	,		,
05/01/09	00/01/00	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	0.3
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	0.3
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	0.1
	06/01/09	9,650,519		May									
06/01/09		9,652,323	28,104	82,310		0.55		245,914			637,378		
06/02/09		9,652,323	0		7.3	0.23	0.648	246,871	6.9	1.05	638,835	7.2	0.26
06/03/09		9,658,104	5,781					248,350			641,072		
06/15/09	07/04/00	9,701,735	43,631					261,249			674,466		
07/01/00	07/01/09	9,727,520	20.240	June				272.082			001.01.1		
07/01/09		9,727,975	26,240	77,001				,			691,914		
07/05/09		9,732,032 9,732,032	4,057		7.4	0.96	0.878	273,967 274,443	7.1	2.20	694,431 695,508	7.1	0.2
07/20/09		9,732,032	10,257		7.4	0.90	0.076	274,443	7.1	2.20	700.527	7.1	0.2
01/20/09	08/01/09	9,742,209	10,237	July		1		270,743			700,327		
08/03/09	00/01/03	9,749,397	7,108	20,712				282,543			704,414		
08/04/09		9,749,397	0	20,112	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		1.0		11000	284,005		2.00	706,115		011
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	0.5
09/10/09		9,794,060	6,708					299,850			735,572		
09/21/09		9,800,194	6,134					303,204			738,803		
09/22/09		9,800,194	0					303,684			739,163		
	10/01/09	9,806,949		September		-							
10/01/09		9,807,491	7,297	19,906				306,569			743,395		
10/05/09		9,811,856	4,365		6.0	10	4 700	308,500	~ ~ ~	0.40	746,224	74	0.5
10/06/09		9,811,856			6.9	1.8	1.700	308,983	6.8	2.48	746,576	7.1	0.5
10/15/09 10/18/09		9,827,819						314,838			757,329		
10/18/09	11/01/09	9,830,464 9,871,202	2,645	October				316,288			758,757	<u> </u>	
11/02/09	11/01/09	9,871,202	44,642	64,253				329,981			793,417		
11/02/09		9,875,106	44,642	04,200	7.4	1.2	1.150	329,981	7.0	2.60	793,417 795,595	7.2	0.4
11/03/09		9,875,100	5,445		7.4	1.2	1.130	331,974	1.0	2.00	795,595	1.2	0.4
11/04/09		9,882,809	2,258					332,950			797,084	<u> </u>	
11/11/09		9,802,809	8,903					332,950			803,889		
11/12/09		9,893,927	2,215					338,274			805,324	-	
11/16/09		9,896,880	2,953			1		339,720			807,132		
11/17/09		9,897,695				1		340,200			807,495		
11/20/09		9,899,892	2,197	-		1		341,164		-	808,946	1	
11/30/09		9,914,595	14,703			1		346,476			819,664		İ

			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 ¹ (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	U U	November	P	0.1	0 1			,	,	•	,
12/01/09	12/01/00	9,914,595	0		7.6	1.7	1.500	347,446	7.3	2.25	820,740	7.8	0.6
12/15/09		9,931,024	16,429					354,237			829,781		
12/18/09		9,933,254	2,230					355,200			831,213		
	01/01/10	9,956,004		December									
01/03/10		9,960,070	26,816	41,409				362,443			853,235		
01/05/10		9,960,070	0		6.9	2.3	2.220	362,924	7.2	5.36	855,045	7.2	0.68
01/14/10		9,969,979	9,909					365,847			860,488		
01/18/10		9,972,503	2,524					366,807			862,304		
01/31/10		9,991,034	18,531					370,664			878,832		
	02/01/10	9,991,034		January									
02/02/10		9,991,034	0	35,030	7.4	1.6	1.460	371,145	7.2	4.05	880,637	7.2	0.46
02/03/10		9,994,392	3,358	ļ				371,664			881,364		
02/16/10		10,002,996	8,604	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	1.4
03/06/10		10,015,341	5,799					377,919			898,085		
03/13/10		10,048,616						383,764			927,938		
03/17/10 03/23/10		10,065,891	17,275 11,710					388,140 392,478			942,069 950,481		
03/23/10		10,077,601	10,886					392,478			950,481		
03/31/10	04/01/10	10,088,487	10,886	March				390,780			958,091		
04/01/10	04/01/10	10,088,817	330	79,183				396,786			958,456		
04/04/10		10,000,017	3,648	73,103				398,207			961,014		
04/04/10		10,092,405	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	-		7.4	1.5	1.100	416,846	1.2	2.00	1,005,028	1.2	0.20
04/10/10	05/01/10	10,189,439	00,101	April				410,040			1,000,020		
05/03/10	00/01/10	10,196,869	45,703	100,715				432,284			1,038,553		
05/04/10		10,196,869	0	,	7.3	0.98	0.902	433,730	7.1	1.12	1,040,370	7.2	0.3
05/17/10		10,258,463	61,594					453,256			1,083,344		
06/01/10		10,294,510						466,168			1,109,480		
	06/01/10	10,294,510		May									
06/01/10		10,294,510	0		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		ļ			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	0.4
07/12/10		10,426,614						504,247	l		1,213,873		
07/21/10		10,506,902						525,545			1,275,358		
07/22/10		10,515,567	8,665	ļ				527,488			1,282,668		
07/23/10		10,532,459	16,892					531,679			1,283,332		
00/00/11	08/01/10	10,586,662		July				F 10 10-			4 000 007		
08/02/10		10,594,781	62,322	184,709	7.0	0.51	0.515	549,129			1,283,332		
08/03/10		10,594,781	0		7.8	0.54	0.515	549,601	7.4	1.20	1,283,332	7.5	0.20
08/04/10		10,599,046						550,588			1,283,332		
08/04/10		10,599,046						550,588			1,283,358		
08/04/10		10,599,046						550,588			1,283,358		
08/05/10		10,600,937						551,531			1,284,413		
08/06/10 08/07/10		10,602,372						552,002			1,285,481		
08/07/10		10,604,242						552,943 558,442			1,286,560 1,299,650		
00/12/10		10,621,705	22,617					565,095	I		1,299,650		

			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)	pH	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	pH	Hexavalent Chromium Hach Test Kit (mg/L)
2 die 7 lettaa	09/01/10	10,664,511	j	August	p	5.1	51	(3)			(3****)		
09/06/10	00/01/10	10,672,363	28,041	77,849				575,879			1,336,978		
09/07/10		10,672,363	0	/	7.7	0.64	0.588	575,879	7.2	1.28	1,337,698	7.4	0.19
09/09/10		10,675,017	2,654					576,846			1,338,823		
09/09/10		10,675,348	331					576,846			1,339,184		
09/15/10		10,681,923	6,575					579,656			1,343,454		
09/20/10		10,688,747	6,824					582,004			1,348,431		
09/28/10		10,712,898	24,151					588,142			1,368,075		
09/28/10		10,713,225	327					588,142			1,368,432		
	10/01/10	10,717,803		September									
10/01/10		10,718,374		53,291				590,497	ļ		1,371,651		
10/03/10		10,721,339	2,965					591,909			1,373,451		
10/05/10		10,721,339	0		7.6	0.80	0.763	592,849	7.3	1.32	1,374,902	7.5	0.10
10/15/10		10,733,086	11,747					597,097			1,380,767		
10/17/10		10,734,957	1,871					598,030 605,549			1,381,848		
10/31/10	44/04/40	10,760,102	25,145	0-1-1				605,549			1,401,547		
11/02/10	11/01/10	10,760,102	0	October 42,299	7.8	0.65	0.639	606,486	7.6	1.44	1,403,369	7.9	0.20
11/02/10		10,760,102	13,192	42,299	7.0	0.00	0.639	611,203	7.0	1.44	1,403,369	7.9	0.20
11/14/10		10,775,484	2,190					612,137			1,410,005		
11/17/10		10,778,424	2,190					613,539			1,413,301		
11/28/10		10,790,717	12,293					618,231			1,413,301		
11/20/10	12/01/10	10,794,632	12,200	November				010,201			1,422,421		
12/04/10	12/01/10	10,800,013	9,296	34,530				622,006			1,428,648		
12/07/10		10,800,013		0 1,000	7.6	1.0	0.989	623,423	7.8	1.80	1,430,482	7.9	0.24
12/15/10		10,811,058	11,045		7.0	1.0	0.000	627,228	7.0	1.00	1,435,313	7.0	0.2-1
12/20/10		10,814,659	3,601					628,621			1,437,887		
12/23/10		10,816,825	2,166					629,558			1,439,358		
	01/01/11	10,827,569	,	December				,			,,		
01/02/11		10,829,348	12,523	32,938				632,850			1,449,967		
01/04/11		10,829,348	0		8.0	1.6	1.500	633,803	7.9	5.31	1,452,901	8.0	0.53
01/17/11		10,845,438	16,090					638,076			1,462,175		
01/28/11		10,852,203	6,765					640,437			1,467,352		
01/30/11		10,853,317	1,114					640,910			1,468,093		
	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	0.18
02/02/11		10,854,899						641,426			1,469,273		
02/14/11		10,859,963	5,064					643,318			1,472,988		
02/21/11		10,876,100						646,167			1,488,233		
02/21/11		10,876,705	605					646,167			1,488,978		
02/24/11 02/27/11		10,880,277 10,883,601	3,572 3,324					647,105 648,128			1,491,974 1,494,713		
02/27/11	03/01/11	10,883,601		February				048,128			1,494,713		
03/01/11	03/01/11	10,883,601	0		7.8	1.8	1.530	648,594	7.7	4.95	1,496,572	7.8	0.52
03/21/11		10,883,601		50,204	1.0	1.0	1.000	664,834	1.1	4.90	1,490,572	1.0	0.02
00/21/11	04/01/11	11,023,291	7,001	March							1,000,007		
04/04/11	0-101/11	11,045,838	88,236	139,690				687.442			1,632,177	<u> </u>	
04/05/11		11,045,838		,	8.0	0.40	0.380	688,903	7.8	1.10	1,637,351	7.7	0.21
04/16/11		11,138,592		1	-	-		710,138			1,708,997		
04/26/11		11,216,566						731,830			1,771,918	1	
04/29/11		11,258,391	41,825					743,289			1,804,105	1	
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		250,878				750,559			1,818,009		
05/03/11		11,277,586			7.8	0.37	0.338	751,514	7.6	0.68	1,819,601	7.8	0.20
05/16/11		11,310,055						763,336			1,841,085		
05/17/11		11,311,520	1,465					763,807			1,842,263		

			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)	рH	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рH	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)
	06/01/11	11,344,383		May				,		,		-	,
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					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	0.1
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	0.1
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	0.4
08/04/11		11,492,474	8,470					834,025			1,975,014	ļ	
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	0.5
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		
10/06/11		11,574,566	0					869,161			2,033,785		
10/08/11		11,579,097	4,531		75	10	1.000	870,519	7 4	0.45	2,036,082	7 5	
10/10/11 10/26/11		11,579,097 11,603,315	0 24,218		7.5	1.2	1.090	870,972 879,056	7.4	2.15	2,036,082 2,054,141	7.5	0.2
10/26/11	-	11,606,358	3,043				-	879,056			2,054,141		
10/30/11	11/01/11	11,607,509	3,043	October			Pounds Cr	000,410			2,055,759		
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	55,705			0.000	881,362			2,055,792	1	1
11/02/11		11,608,233	.31		8.2	1.3	1.220	881,378	8.1	2.46	2,055,818	8.0	0.0
11/05/11		11,611,395	3,162		0.2			882,340	0.1	2.40	2,059,467	0.0	0.0
11/06/11		11.614.756	3,361			1		883.608			2,053,407		
11/07/11		11,616,924	2,168			1		883,718			2,063,343		
11/08/11		11,618,636	1,712			1		884,345			2,065,014		
11/12/11		11,651,616	32,980			1		890,384			2,094,235		
11/15/11		11,662,529	10,913			İ		894,135			2,102,462	1	
11/23/11		11,677,899	15,370	-		1		900,936		-	2,112,833	1	1
11/29/11		11,687,640	9,741	-		1	Pounds Cr	905,028		-	2,119,690	1	1
	12/01/11	11,689,609		November			0.834	,		-	,		1
12/01/11		11,687,640	0	82,100	7.4	1.7	1.700	905,938	7.8	2.65	2,119,690	8.0	0.7
12/06/11		11,706,691	19,051	. ,				910,893			2,134,888		5
12/15/11		11,724,224	17,533			1		918,198			2,147,141		
12/26/11		11,737,368	13,144			1		924,102			2,155,863		
12/31/11		11,742,107	4,739			1		926,371			2,158,911		1

			OUTF	ALL 001				Ma	nhole	#1	Ма	nhole	#2
Dete Astro-	Date For Linear Interpolation	Metered Discharge Reading (qallons)	Gallons Discharged Between Meter Reading	Monthly Discharge		Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рH	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	рH	Hexavalent Chromium Hach Test Kit (mg/L)
Date Actual		(0)	Reading	(gallons)	рН	4.5 mg/∟j		(galions)	рп	Kit (mg/L)	(gallons)	рп	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		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				Davida On	934,572			2,169,652		
01/31/12	00/04/40	11,761,124	2,137				Pounds Cr	935,480			2,171,180		
00/00/40	02/01/12	11,761,228		January	7.4	0.4	0.137	000.404		0.50	0.470.007		
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				Deum-t- O	942,642			2,184,964		
02/28/12	00/04/40	11,782,379	18,793	Fabrican			Pounds Cr	943,547			2,186,478		
00/04/40	03/01/12	11,783,379	0	February	74		0.329	044.000	7.0	0.45	0 400 470	7.0	
03/01/12		11,782,379	ů	21,255	7.1	2.6	2.560	944,002	7.3	3.45	2,186,478	7.6	2.04
03/14/12		11,824,851	41,472					956,400			2,221,364		
03/21/12		11,839,925	15,074					962,783			2,231,770		
03/25/12		11,848,965	9,040					965,591			2,239,149		
	04/01/12	11,865,023		March			Pounds Cr						
04/03/12		11,871,806	22,841	81,644			1.740	973,817			2,256,557		
04/05/12		11,871,806	6,783		7.6	0.83	0.730	975,189	7.9	1.28	2,258,866	7.8	0.48
04/18/12		11,896,899	25,093					984,322			2,273,887		
04/21/12	05/04/40	11,906,449	9,550					986,147			2,282,902		
05/00/40	05/01/12	11,923,538	0.4.400	April			Pounds Cr				0.000.050		
05/02/12		11,930,935	24,486	58,515			0.356	996,194			2,300,258		
05/03/12		11,933,848	2,913					997,107			2,302,572		
05/09/12		11,989,964	56,116					1,010,822			2,349,979		
05/14/12		12,005,061	15,097		0.5	0.07	0.504	1,016,338	7.4	0.00	2,361,277	7.0	0.45
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						1,022,007			2,370,141		
05/24/12		12,021,249	2,679					1,023,245			2,372,066		
05/31/12	00/04/40	12,028,808	7,559	M			Davida On	1,027,317			2,378,556		
00/00/40	06/01/12	12,029,342	0.400	May			Pounds Cr	4 007 047			0.070.550		
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		0.0	0.55	0.507	1,028,676	7.4	0.00	2,380,101		0.4
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 12,056,747	13,234					1,034,134			2,389,253		
06/29/12	07/01/40		9,896	luna			Pounds Cr	1,038,653			2,395,689		
07/03/12	07/01/12	12,057,998	1,334	June			Pounds Cr 0.121	1 040 000			2,397,210		
07/03/12		12,059,332	1,334	28,656	6.1	0.98	0.121	1,040,009 1,040,913	6.2	1.24	2,397,210	6.6	0.19
		12,059,332 12,064,003	1 674		0.1	0.96	0.906		0.2	1.24		6.6	0.19
07/10/12			4,671					1,042,739			2,402,552		
07/20/12		12,069,263	5,260				Deum-t- O	1,045,446			2,402,552		
00/01/10	08/01/12	12,078,083	0.000	July			Pounds Cr	1 040 540			2 400 504		
08/01/12		12,078,359		20,085	6.2	1.00	0.152	1,049,510	~ ~ ~	4 70	2,408,561	6.0	0.57
08/02/12		12,078,359			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						1,051,808			2,410,869		
08/16/12	00/04/110	12,098,108	15,598	Au			Deum-t- O	1,056,800			2,423,447		
00/04/110	09/01/12	12,111,167	40.004	August			Pounds Cr	1 000 105			0.400.000		
09/01/12		12,111,772		33,084			0.309	1,063,135			2,432,088		
09/09/12		12,116,611	4,839			4 70	4.500	1,065,875	6.4	0.70	2,434,745	6.0	0.04
09/11/12		12,117,783				1.70	1.520	1,066,747	6.4	0.72	2,435,127	6.3	0.21
09/18/12		12,121,226						1,068,577			2,437,061		
09/26/12		12,125,024	3,798		1			1,070,837		l	2,438,957		

			OUTFA	ALL 001				Ma	nhole	#1	Ма	nhole	#2
	Date For Linear	Metered Discharge Reading	Gallons Discharged Between Meter	Monthly Discharge		Hexavalent Chromium Lab Analysis (mg/L) [Local Limit	(mg/L) [Local Limit 7.0	Reading		Hexavalent Chromium Hach Test	Flow Totalizer #2 Reading		Hexavalent Chromium Hach Test
Date Actual	Interpolation	(gallons)	Reading	(gallons)	рН	4.5 mg/L]	mg/L]	(gallons)	рН	Kit (mg/L)	(gallons)	рН	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		NA	1.1	1.040	1,097,450	NA	1.34	2,494,750	NA	0.2
11/22/12		12,212,741	14,304					1,103,179			2,504,679		
11/30/12	40/04/15	12,218,011	5,270	No			David C	1,106,155			2,507,598		
40/00/40	12/01/12	12,218,663	4 000	November			Pounds Cr	4 407 000			0.500.000		
12/03/12		12,219,752	1,089	27,569		4.00	0.239	1,107,006	77	1.00	2,508,689		0.0
12/10/12		12,223,289	3,537		8.0	1.00	1.100	1,109,121	7.7	1.60	2,510,506	8.0	0.27
12/26/12			11,343	-							, ,		
12/31/12	01/01/13	12,239,248 12,239,543	4,616	December			Pounds Cr	1,117,237			2,520,012		
01/01/13	01/01/13	12,239,943	710	20,880			0.191	1,117,663			2,520,377		
01/10/13		12,239,930	6,632	20,000		1.90	1.720	1,117,003	7.7	1.68	2,520,377	8.0	1.32
01/24/13		12,278,928	32,338			1.50	1.720	1,130,141	1.1	1.00	2,550,847	0.0	1.02
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		
01/01/10	02/01/13	12,288,247	0,001	January			Pounds Cr	1,102,120			2,000,110		
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	0.2
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	L	
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				L	1,196,092		ļ	2,749,790		
	05/01/13	12,570,545		April			Pounds Cr						
05/01/13				166,817		0	0.599			0.00	0 70	7.0	
05/01/13 05/19/13		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	00/04/40	12,623,298	51,965	M			Deven de C	1,235,753			2,823,953		
	06/01/13	12,647,282		May			Pounds Cr						
06/06/13		10.057.005	04.007	76,737	7.0	0.00	0.353	1 054 554	7 4	0.47	2.849.502	70	0.74
		12,657,605	34,307		7.6	0.96	0.826	1,251,551	7.4	0.47	11	7.8	0.73
06/12/13 06/17/13		12,669,485 12,680,642	11,880 11,157					1,256,351			2,857,966 2,867,078		
00/17/13	07/04/42		11,157	luna			Boundo Cr	1,259,722			2,007,078		
	07/01/13	12,727,950		June 80,668			Pounds Cr 0.555						
07/18/13		12,767,116	86,474	00,000	7.4	0.73	0.694	1,286,165	6.7	0.73	2,938,280	7.5	0.0
07/18/13		12,780,876		-	7.4	0.73	0.034	1,286,165	0.7	0.73	2,938,280	1.0	0.07

			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)	рН	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	pН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)
	08/01/13	12,781,814	Ū	July			Pounds Cr			,			,
	00/01/10	12,101,014		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		1
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	0.1
08/19/13		12,795,058	8,503					1,298,966			2,954,811		
08/21/13		12,795,638	580					1,300,287			2,956,243		
08/26/13		12,797,295	1,657					1,301,154			2,957,147		
08/28/13		12,800,434	3,139	-				1,302,541			2,958,987		
	09/01/13	12,803,511		August			Pounds Cr						-
09/01/13		12,803,511	6,216	21,697			0.140	1,303,580			2,961,265		
09/05/13		12,808,096	4,585					1,305,282			2,964,435		
09/09/13 09/11/13		12,811,883	8,372 7,070					1,306,947 1,309,139			2,966,675 2,968,968		
09/11/13		12,815,166 12,818,151	6,268					1,309,139			2,968,968		
09/14/13		12,810,131	7,117		7.3	1.3	1.170	1,310,003	7.1	0.99	2,970,501	7.3	0.1
09/30/13		12,833,637	11,354					1,317,815		0.00	2,980,475		0111
	10/01/13	12,834,025	,	September			Pounds Cr	1- 1			,, -		
10/01/13		12,834,025	388	30,514			0.297	1,318,244			2,980,475		1
10/08/13		12,843,796	9,771	-				1,321,693			2,988,064		
10/16/13		12,852,554	8,758					1,325,559			2,994,143		
10/18/13		12,855,027	2,473		7.7	1.20	1.120	1,326,419	7.5	1.04	2,996,041	7.8	0.1
	11/01/13	12,867,815		October			Pounds Cr						
11/01/13		12,867,815	12,788	33,790			0.315	1,332,902			3,004,777		
11/05/13		12,876,841	9,026					1,335,488			3,012,422		
11/13/13		12,903,367	26,526		7.8	1.00	0.920	1,345,039	8.1	0.66	3,033,152	7.9	0.1
11/20/13	10/01/10	12,924,566	21,199	Marrisonalian				1,350,740			3,051,316		
10/00/10	12/01/13	12,940,971	10.000	November 73,156			Pounds Cr	1 200 000			2 002 005		
12/02/13 12/10/13		12,944,252 12,954,971	19,686 10,719	73,130	7.6	1.4	0.560 1.320	1,360,688 1,365,411	7.4	2.70	3,063,995 3,071,689	7.1	0.0
12/10/13		12,954,971	2,440		7.0	1.4	1.320	1,366,744	7.4	2.70	3,071,089	7.1	0.0
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	.,			-,,		1
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	0.1
01/31/14		12,983,061	6,177					1,379,605			3,090,406		
	02/01/14	12,983,265		January			Pounds Cr						
02/02/14		12,983,747	686	12,666			0.111	1,380,032			3,090,789		
02/13/14		12,987,155	3,408		8.0	1.8	1.610	1,381,726	8.1	2.88	3,093,093	8.3	0.19
02/28/14		12,993,603	6,448	E.L.									
00/04//	03/01/14	12,993,783		February	<u> </u>		Pounds Cr						
03/01/14		12,993,909		10,518	7.0	0.00	0.141	4 005 000		E 00	0 440 477	0.0	0.0
03/13/14 03/31/14		13,005,882 13,059,539	11,973		7.6	0.38	0.434	1,385,639	7.7	5.80	3,112,477	8.0	0.3
03/31/14	04/01/14	13,059,539	53,657	March			Pounds Cr	-				<u> </u>	<u> </u>
04/01/14	04/01/14	13,061,650	2,111	66,196			0.239	1,399,014			3,165,447	-	
04/01/14		13,091,485	29,835	00,100			0.200	1,411,117			3,187,701		1
04/13/14		13,099,571	8,086					1,412,822			3,195,631	1	
04/15/14		13,135,912	36,341					1,424,711			3,224,028		
04/18/14		13,165,955	30,043		1			1,434,115			3,247,300	1	İ
04/22/14		13,210,016	44,061		7.6	0.44	0.377	1,440,204	7.4	0.72	3,258,396	7.5	0.3
	05/01/14	13,211,258		April			Pounds Cr						
05/01/14		13,211,345	1,329	151,279			0.475	1,451,524			3,282,450		
05/13/14		13,267,656	56,311		7.5	0.28	0.273	1,471,868	7.3	0.73	3,326,392	7.4	0.2
05/14/14		13,280,912	13,256					1,475,015			3,337,773		
05/15/14		13,286,754	5,842					1,476,780			3,342,511		
05/20/14		13,304,068	17,314					1,483,692			3,355,729	1	

			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)	рH	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рH	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	pH	Hexavalent Chromium Hach Test Kit (mg/L)
Duto / totual	06/01/14	13,332,599	3	May	p	5.1	Pounds Cr	(3) 5)			(3****)		
06/02/14	00/01/14	13,336,115	32,047	121,341			0.276	1,495,755			3,382,176		
06/12/14		13,372,027	35,912	,e	7.9	0.40	0.381	1,508,756	7.6	0.60	3,410,073	7.8	0.20
06/14/14		13,374,936	2,909					1,510,080			3,412,070		
06/17/14		13,379,348	4,412					1,512,220			3,415,268		
06/19/14		13,394,274	14,926					1,514,826			3,429,626		
06/20/14		13,401,646	7,372					1,517,014			3,436,003		
06/30/14		13,444,046	42,400					1,531,745			3,470,067		
	07/01/14	13,445,046		June			Pounds Cr	1,532,601			3,472,302		
07/01/14		13,446,138	2,092	112,447			0.357						
07/02/14		13,449,088	2,950					1,533,460	-		3,475,127		
07/09/14		13,463,816	14,728		7.7	0.68	0.689	1,539,906	7.4	1.0	3,486,800	7.4	1.(
07/14/14		13,472,104	8,288					1,543,805			3,492,830		
07/28/14		13,480,642	8,538	July			Pounds Cr	1,551,065			3,501,179		
	08/01/14	13,481,746		36,700			0.211						
08/01/14		13,481,837	1,195					1,552,341			3,502,760		
08/13/14		13,495,032	13,195		7.9	0.681	0.72	1,557,877	7.5	1.16	3,511,069	7.7	0.92
08/17/14		13,502,593	7,561					1,560,483			3,517,406		
08/19/14		13,509,446	6,853					1,562,278	-		3,523,163		
08/20/14		13,517,300	7,854					1,563,989	-		3,530,111		
08/22/14		13,525,676	8,376					1,567,014	-		3,536,533		
08/25/14		13,534,424	8,748					1,571,333			3,542,173		
08/29/14		13,539,488	5,064					1,573,914			3,545,371		
08/30/14		13,542,314	2,826	August			Pounds Cr	1,575,198			3,547,361		
	09/01/14	13,543,999		62,253			0.37						
09/02/14		13,546,601	4,287					1,577,338			3,550,419		
09/05/14		13,550,482	3,881					1,579,481			3,553,370		
09/08/14		13,562,709	12,227					1,582,918			3,564,025		
09/17/14		13,579,703	16,994	-	7.9	0.60	0.546	1,589,348	7.6	1.16	3,577,644	7.3	0.36
09/24/14		13,593,114	13,411	September			Pounds Cr	1,595,011			3,577,644		
	10/01/14	13,602,541		58,542			0.27	1,600,155			3,577,644		
10/01/14		13,603,009	9,895		= 0	0.07	0.500	1,600,155	7.0	1.00	3,577,644	7.4	0.00
10/16/14		13,633,400	30,391	Ostalian	7.3	0.67	0.596	1,610,440	7.8	1.28	3,619,044	7.4	0.3
10/28/14		13,658,462	25,062	October			Pounds Cr	1,621,724			3,636,660		
11/01/11	11/01/14	13,662,568	E 450	60,027			0.298	4 604 000			2 640 404		
11/01/14 11/12/14		13,663,621	5,159	-	8.1	1.1	0.980	1,624,238 1,629,780	7.6	1.62	3,640,194 3,648,121	8.1	1.08
11/30/14		13,672,756 13,695,977	9,135 23,221		0.1	1.1	0.960	1,640,533	7.0	1.02	3,663,353	0.1	1.00
11/30/14	12/01/14	13,695,977	23,221	November			Pounds Cr	1,040,000			3,003,303		
12/01/14	12/01/14	13,696,476	1,141	37,515			0.306	1,640,533		1	3,663,353		<u> </u>
12/01/14		13,701,386	4,268	51,515			0.000	1,643,108			3,666,947		
12/04/14		13,701,380	4,200					1,645,245			3,670,118	-	1
12/12/14		13,709,486			8.1	1.5	1.320	1,646,957	7.7	2.72	3,672,490	85	0.3
12/31/14		13,768,265			0.1			1,666,522		2.72	3,720,581	0.0	0.0
,51,14	01/01/15	13,769,665	50,775	December			Pounds Cr	.,000,022		-	-,0,001	1	1
01/01/15	5	13,770,654	2,389	73,249			0.805	1,667,388			3,722,195		1
01/12/15		13,785,790			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		-				1,679,866			3,742,191		1
	02/01/15	13,798,602	,	January		1	Pounds Cr	,		-			1
02/01/15		13,798,727	320	28,937			0.144	1,679,866			3,742,588	1	İ
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	0.1
02/16/15		13,804,943						1,682,892			3,746,962	1	1
02/20/15		13,805,957	1,014					1,683,320			3,747,752		1
02/24/15		13,806,974						1,683,745			3,748,542		
02/28/15		13,808,369						1,684,600			3,749,334		
	03/01/15	13,808,507		February			Pounds Cr						
03/01/15		13,808,690	321	9,905			0.059	1,684,600			3,749,728		
03/18/15		13,815,075	6,385		8.2	0.80	0.713	1,687,150	7.2	1.00	3,757,618	8.0	0.34

			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)	pH	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)
03/23/15		13,815,928	853					1,688,046			3,759,604		
03/25/15		13,816,332						1,688,901			3,759,889		
03/26/15		13,816,697	365					1,689,329			3,760,382		
	04/01/15	13,822,714		March			Pounds Cr	.,			-,		
04/07/15		13,823,071	6,374	14,207			0.084	1,694,467			3,765,931		
04/15/15		13,856,854			7.4	0.92	0.858	1,704,938	7.7	1.92	3,792,943	7.0	0.2
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			8.0	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				1		1,728,740			3,830,304	1	
05/23/15		13,914,964				1		1,731,329			3,834,357	1	
05/25/15		13,920,921	5,957			1		1,733,052			3,839,818	1	
05/28/15		13,937,530	16,609			1		1,736,965			3,854,997	1	
23,20,10	06/01/15	13,958,452	,	May		1	Pounds Cr	.,. 50,000			2,201,001	1	
06/02/15	20/01/10	13,967,174	29,644	72,867		1	0.336	1,746,201			3,878,793	1	
06/03/15		13,970,819		,				1,747,948		-	3,881,197	1	1
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	0.2
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						1,781,741			3,956,167		
06/30/15		14,069,200						1,783,061			3,957,962		
00,00,10	07/01/15	14,069,642	2,120	June			Pounds Cr	1,100,001			0,001,002		
07/01/15	01/01/10	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	0.2
07/14/15		14,085,720			1.1	0.07	0.001	1,790,678	1.2	0.00	3,970,192	7.5	0.2
07/29/15		14,114,029						1,804,056			3,993,110		
01/23/13	08/01/15	14,115,454	20,303	July			Pounds Cr	1,004,000			3,333,110		
08/05/15	00/01/13	14,117,883	3,854	45,812			0.134	1,807,395			3,995,776		
08/12/15		14,131,529		40,012		0.41	0.371	1,812,749	7.2	0.51	4,006,460	7.1	0.1
08/17/15		14,137,372	5,843			0.41	0.571	1,816,582	1.2	0.01	4,010,201	7.1	0.1
08/18/15		14,138,406	1,034					1,817,349			4,010,201		
08/27/15		14,145,800						1,822,802			4,016,771		
00/27/13	09/01/15	14,151,425	7,334	August			Pounds Cr	1,022,002			4,010,771		
09/04/15	03/01/13	14,155,393	9,593	35,971			0.111	1,828,088			4,025,183		
09/04/15		14,175,870		00,011	7.6	0.23	0.208	1,833,613	7.2	0.72	4,023,165	7.0	0.1
09/18/15		14,175,870			7.0	0.20	0.200	1,843,839	1.2	0.72	4,041,200		0.1
09/28/15		14,191,902						1,852,031			4,069,063		1
09/29/15		14,211,559						1,852,459			4,069,894		t
00/20/10	10/01/15	14,212,577	5/1	September			Pounds Cr	.,002,403		-	.,000,004	1	1
10/01/15		14,212,781	1,222	61,152			0.106	1,853,738			4,071,365		t
10/07/15		14,220,473				0.72	0.661	1,856,721	7.2	1.26		73	0.1
10/13/15		14,226,617				0.72	5.001	1,859,329	2	1.20	4,071,303	,	0.1
10/21/15		14,233,700						1,863,168			4,082,924		<u> </u>
10/27/15		14,233,700						1,865,726			4,082,924		
. 3/21/10	11/01/15	14,260,606		October			Pounds Cr	.,000,720			.,000,017		<u> </u>
11/02/15		14,266,255					0.264	1,872,203			4,108,562		<u> </u>
11/12/15		14,288,543		,010	7.7	0.73	0.700	1,882,551	7.3	1.20	4,122,107	7.6	0.2
11/30/15		14,334,387				0.10	000	1,898,090	7.0	1.20	4,155,815		0.2
1730/13	12/01/15	14,336,677	40,044	November			Pounds Cr	1,030,030			+, 133,013		
12/01/15	12/01/13	14,339,197	4,810				0.443	1,899,821			4,159,227		
12/01/15		14,339,197		10,012	7.9	0.69	0.627	1,899,821	7.4	0.66	4,159,227	7.3	0.3
12/10/15		14,364,604			1.5	0.09	0.021	1,910,218	7.4	0.00	4,176,267	7.5	0.3
12/21/13	01/01/16	14,458,622	94,018	December			Pounds Cr	1,537,179			4,240,023		
01/01/16	01/10/10	14,488,585	29,963	150,867			0.788	1,949,306		1	4,267,333	<u> </u>	<u> </u>
01/01/10		14,488,585			7.9	0.62	0.572	1,949,308	7.4	0.87	4,207,333	7.6	0.4
01/07/16													

			OUTF#	ALL 001				Mai	nhole	#1	Manhole #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 ¹ (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рH	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	рH	Hexavalent Chromium Hach Test Kit (mg/L)
02/01/16		14,533,138	33,850	45,078		<u> </u>	0.215	1,971,254	•	,	4,316,580		,
02/10/16		14,562,012	28,874	43,070	8.1	0.87	0.858	1,973,902	7.6	0.61	4,324,057	8.1	0.70
02/29/16		14,601,368	39,356		0.1	0.07	0.000	1,982,872	7.0	0.01	4,359,110	0.1	0.11
02,20,10	03/01/16	14,602,713	00,000	February			Pounds Cr	1,002,012			1,000,110		
03/01/16		14,603,747	2,379	70,091			0.501	1,983,300			4,361,401		
03/10/16		14,625,282	21,535	,	7.9	0.63	0.609	1,988,471	7.3	1.44	4,380,928	7.4	0.37
03/31/16		14,728,685	103,403					2,017,845			4,463,804		
	04/01/16	14,733,540	,	March			Pounds Cr	1. 1			,,		
04/02/16		14,751,888	23,203	130,827			0.663	2,023,638			4,482,114		
04/06/16		14,770,034	18,146		7.8	0.38	0.244	2,029,748	7.2	0.53	4,495,836	7.2	0.24
	05/01/16	14,827,634		April			Pounds Cr						
05/03/16		14,834,742	64,708	94,094			0.191	2,057,059			4,539,976		
05/12/16		14,846,704	19,070		7.6	0.70	0.645	2,062,615	7.2	0.47	4,547,811	7.1	0.69
05/17/16		14,856,181	9,477					2,067,406			4,553,472	1	
	06/01/16	14,889,570		May			Pounds Cr						
06/06/16		14,902,417	46,236	61,936			0.333	2,086,371			4,585,701		
06/08/16		14,906,067	3,650		7.5	0.43	0.406	2,088,096	7.1	0.69	4,587,959	7.1	0.25
06/19/16		14,946,108	40,041					2,101,451			4,617,396		
	07/01/16	14,980,911		June			Pounds Cr						
07/01/16		14,983,214	37,106	91,341			0.309	2,113,474			4,646,051		
07/07/16		14,998,455	15,241		7.4	0.50	0.430	2,119,487	7.0	0.87	4,656,766	7.1	0.20
07/31/16		15,036,518	38,063					2,138,364			4,681,191		
	08/01/16	15,036,760		July			Pounds Cr						
08/01/16		15,037,244	726	55,849			0.200	2,138,788			4,682,282		
08/11/16		15,047,013	9,769		7.4	0.61	0.583	2,144,319	7.1	0.98	4,687,103	7.1	0.12
08/24/16		15,065,460	18,447					2,152,060			4,700,186		
	09/01/16	15,080,715		August			Pounds Cr						
09/02/16		15,081,239	15,779	43,955			0.213	2,159,787			4,709,523		
09/08/16		15,093,858	12,619		7.2	0.41	0.355	2,164,508	7.1	0.60	4,718,876	6.9	0.17
09/15/16		15,117,114	23,256					2,173,196			4,734,824		
09/30/16		15,161,513	44,399					2,190,037			4,766,164		
	10/01/16	15,162,610		September			Pounds Cr						
10/01/16		15,162,976	1,463	81,895			0.242	2,190,896			4,766,917		
10/05/16		15,170,280	7,304		7.5	0.76	0.707	2,194,329	7.1	1.17	4,771,417	7.2	0.24
	11/01/16	15,218,316		October			Pounds Cr						
11/01/16		15,218,916	48,636	55,706			0.328	2,214,974			4,803,706		
11/09/16		15,231,072	12,156		7.7	0.58	0.550	2,221,415	7.3	1.02	4,810,434	7.2	0.17
11/30/16		15,257,768	26,696					2,231,705			4,829,512		
	12/01/16	15,259,593		November			Pounds Cr					L	L
12/01/16		15,262,085	4,317	41,277			0.189	2,233,005	_		4,832,948	-	-
12/08/16		15,278,159	16,074		7.7	0.90	0.832	2,240,348	7.4	1.41	4,843,138	7.3	0.26
	01/01/17	15,320,273		December			Pounds Cr					I	
01/05/17		15,328,203		60,680			0.420						
01/05/17		15,328,203	0			1.00	0.895	2,259,750	7.5	1.44	4,878,940	7.4	0.47
01/31/17		15,387,622	59,419				_	2,272,198			4,933,594	I	
	02/01/17	15,387,845		January			Pounds Cr	0.077.77			4 000 000	 	
02/01/17		15,388,387	765	67,572			0.504	2,272,625			4,933,971	7.1	
02/09/17		15,399,455	11,068	E.L.	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						2,309,539			5,016,906	<u> </u>	
03/25/17		15,528,765	31,640					2,321,231			5,039,669		
03/29/17		15,542,291	13,526					2,325,638			5,049,699		
	04/01/17	15,558,808		March			Pounds Cr						
04/02/17		15,562,275 15,582,526		106,059	7.7	0.43	0.476 0.405	2,333,037 2,340,089	7.3	0.57	5,064,049 5,064,049	7.3	0.27
04/06/17													

			OUTFA	ALL 001				Ma	nhole	#1	Manhole #2		
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	рH	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рН	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	r.		Pounds Cr						,
05/04/17	00,01,11	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	0.2
	06/01/17	15,796,047		May			Pounds Cr	1 1			-,,		
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	0.1
	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	0.5
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	0.3
	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	0.1
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	0.1
	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	0.2
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	0.2
12/14/17		16,121,000	5,735					2,551,590			5,453,973		1
12/31/17	0.1/0.1/10	16,131,936	10,936	Descentes				2,560,147			5,464,203		
04/04/40	01/01/18	16,132,116		December			Pounds Cr	0 500 574			5 404 000		1
01/01/18 01/04/18		16,132,328	392	21,969		0.70	0.138 0.734	2,560,571		0.41	5,464,203 5,465,331		0.0
01/04/18	02/01/18	16,133,697 16,144,665	1,369	January		0.78	Pounds Cr	2,560,993		0.41	5,405,331		0.0
02/01/18	02/01/18	16,144,863	11,166	12,549			0.077	2,566,068			5,472,876		
02/01/18		16,144,803	2,452	12,549	7.8	0.75	0.906	2,567,326	7.4	1.68	5,472,876	7.2	0.1
02/08/18		16,147,313	8,574		1.0	0.75	0.900	2,570,306	7.4	1.00	5,474,376	1.2	0.1
02/20/16	03/01/18	16,156,053	0,374	February			Pounds Cr	2,570,500			5,461,207		1
03/01/18	03/01/10	16,156,211	322	11,388			0.086	2,570,306			5,481,586		
03/08/18		16,150,211	7,535	11,000	7.7	0.52	0.526	2,570,500	7.4	0.78	5,481,580	7.2	0.2
03/08/18		16,183,153	19,407		1.1	0.02	0.020	2,574,570	7.4	0.70	5,405,747	1.2	0.2
03/31/18		16,188,615	5,462					2,472,869*			5,499,048		1
33/01/10	04/01/18	16, 189, 199	0,402	March			Pounds Cr	_,,000		1	0,100,040		t
04/01/18	0-1,01,10	16,190,057	1,442	33,146			0.145	2,473,316			5,500,204		<u> </u>
04/01/18		16,195,349	5,292		7.7	0.60	0.585	2,476,332	7.3	0.84	5,502,874	7.4	0.3
04/10/18		16,203,721	8,372	-		0.00	5.000	2,480,242		0.04	5,508,217		0.0
04/25/18		16,302,239						2,508,161			5,586,326		İ
04/30/18		16,328,835	26,596			1		2,516,938			5,606,361		
	05/01/18	16,330,212	-,	April			Pounds Cr						1
05/01/18		16,331,044	2,209	141,013			0.687	2,517,809			5,607,864		1
05/04/18		16,360,268	29,224	,				2,526,963			5,630,632		İ
05/10/18		16,409,694	49,426	-	7.6	0.30	0.315	2,541,347	7.2	0.51	5,667,843	6.8	0.1
05/22/18		16,428,757	19,063					2,547,991			5,681,939		1
05/24/18		16,455,003	26,246					2,557,801			5,698,300		
05/29/18		16,462,967	7,964					2,562,178			5,702,537		
	06/01/18	16,466,594		Мау			Pounds Cr						
06/01/18		16,467,299	4,332	136,382			0.358	2,563,476			5,705,975	L	
06/05/18		16,476,100	8,801					2,566,515			5,712,597		

			OUTF/	ALL 001				Ma	nhole	#1	Manhole #2			
Date Actual	Date For Linear Interpolation	Metered Discharge Reading (gallons)	Gallons Discharged Between Meter Reading	Monthly Discharge (gallons)	pH	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L]	Total Chromium Lab Analysis ¹ (mg/L) [Local Limit 7.0 mg/L]	Flow Totalizer #1 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)	
06/07/18	-	16,480,044	3,944	,	7.6	0.38	0.382	2,568,258	. 7.1	0.53	5,715,101	7.3	0.2	
06/30/18		16,537,167	57,123		7.0	0.00	0.002	2,588,614		0.00	5,756,117	7.0	0.2	
00,00,10	07/01/18	16,537,690	01,120	June			Pounds Cr	2,000,011			0,100,111			
07/01/18		16,538,238	1,071	71,096			0.226	2,589,032			5,756,879			
07/05/18		16,542,427	4,189	1	7.6	0.31	0.311	2,591,176	7.2	0.57	5,759,920	7.1	0.1	
07/12/18		16,545,145						2,594,639			5,763,368			
07/19/18		16,553,309	8,164					2,597,639			5,766,777			
07/31/18		16,571,725	18,416					2,604,452			5,779,752			
	08/01/18	16,571,996		July			Pounds Cr							
08/01/18		16,572,495	770	34,306			0.089	2,589,032			5,756,879			
08/08/18		16,581,462	8,967			0.43	0.438	2,608,818	7.1	0.55	5,785,813	7.0	0.2	
08/31/18		16,637,913	56,451					2,629,840			5,828,591			
	09/01/18	16,640,165		August			Pounds Cr							
09/01/18		16,641,711	3,798	68,169			0.125	2,631,151			5,831,336			
09/06/18		16,695,169	53,458		7.5	0.24	0.256	2,646,502	7.1	0.59	5,871,311	6.7	0.0	
09/17/18		16,734,724	39,555					2,659,921			5,899,762			
09/18/18		16,738,499	3,775					2,660,806			5,903,277			
09/30/18		16,775,825	37,326					2,672,955			5,932,062			
	10/01/18	16,776,168		September			Pounds Cr							
10/01/18		16,776,700		136,003			0.290	2,673,387			5,932,454			
10/03/18		16,785,853	9,153		7.8	0.30	0.303	2,675,556	7.3	0.60	5,940,463	7.1	0.2	
10/25/18		16,899,216	113,363					2,709,668			6,027,153			
	11/01/18	16,908,245		October			Pounds Cr							
11/01/18		16,908,712	9,496	132,077			0.333	2,713,560			6,033,788			
11/07/18		16,921,099	12,387		7.7	0.38	0.424	2,717,458	7.1	0.36	6,044,211	6.8	0.3	
11/12/18		16,936,140						2,723,181			6,054,634			
11/14/18		16,940,487	4,347					2,725,362			6,057,406			
11/16/18		16,944,318						2,727,099			6,059,771			
11/19/18		16,949,417	5,099					2,729,266			6,063,298			
10/00/10	12/01/18	16,964,903	00 740	November			Pounds Cr	0 700 704			0.000 500			
12/06/18		16,972,133	22,716	56,658		0.50	0.200	2,738,784	7.4	0.50	6,080,566	7.0		
12/06/18	04/04/40	16,972,133	0	December	8.0	0.52	0.521	2,738,784	7.4	0.53	6,080,566	7.2	0.4	
01/04/10	01/01/19	17,020,007	40.042	December 55,104			Pounds Cr 0.239	0.757.400			0.440.400			
01/04/19 01/10/19		17,021,076 17,051,054	48,943 29,978	55,104	7.8	0.26	0.239	2,757,483 2,765,903	7.2	0.41	6,116,420 6,140,244	7.0	0.1	
01/10/19	02/01/19	17,051,054	29,970	January	1.0	0.20	Pounds Cr	2,705,905	1.2	0.41	0,140,244	7.0	0.1	
02/01/19	02/01/19	17,086,762	35,708	65,869			0.135	2,779,438			6,166,376			
02/07/19		17,092,183		05,005	8.0	0.36	0.398	2,779,438	7.5	0.37	6,170,668	7.3	0.3	
02/01/19	03/01/19	17,108,085	5,421	February	0.0	0.00	Pounds Cr	2,101,103	7.5	0.37	0,170,000	7.5	0.3	
03/01/19	00/01/19	17,108,314	16,131	22,209			0.074	2,786,817			6,183,118	1	1	
03/07/19		17,100,314		,0	7.9	0.29	0.296	2,788,121	7.4		6,186,219	7.4		
03/26/19		17,201,867	89,718				2.200	2,810,744	· · ·		6,261,318	1		
	04/01/19	17,220,303		March			Pounds Cr	,,.		1	.,,		1	
04/02/19		17,221,255	19,388	112,218			0.277	2,818,615		1	6,274,417		1	
04/02/19		17,221,255		-	7.7	0.40	0.408	2,818,615	7.2	0.53	6,274,417	7.2	0.1	
04/18/19		17,270,735						2,834,848			6,312,336	1		
04/30/19		17,336,326						2,855,668			6,362,011			
	05/01/19	17,338,042		April			Pounds Cr							
05/01/19		17,340,509	4,183	117,739			0.400	2,856,981			6,365,212			
05/09/19		17,366,641	26,132		7.8	0.43	0.441	2,866,635	7.2	0.39	6,383,940	7.2	0.6	
	06/01/19	17,467,893		Мау			Pounds Cr							
06/06/19		17,492,562		129,851			0.477	2,856,981			6,365,212			
06/06/19		17,492,562			7.6	0.23	0.249	2,908,632	7.2	0.32	6,478,871	7.0	0.2	
06/11/19		17,502,105						2,912,952			6,486,321			
06/18/19		17,525,532	23,427	L				2,920,258			6,503,730	L		
	07/01/19	17,581,030	1	June	I	1	Pounds Cr			1	1	1	1	
07/08/19	07/01/19	17,613,923	88,391	113,137			0.235	2,947,437			6,572,415	-		

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

			OUTF#	ALL 001				Ма	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 ¹ (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)
07/22/19		17,636,628	17,235					2,956,444			6,590,064		
07/23/19		17,644,137	7,509					2,958,908			6,596,369		
07/26/19		17,655,780	11,643					2,961,918			6,602,890		
07/31/19		17,662,536	6,756					2,965,324			6,606,751		
	08/01/19	17,662,953		July			Pounds Cr						
08/01/19		17,663,650	1,114	81,923			0.156	2,965,752			6,607,522		
08/07/19		17,674,432	10,782		7.7	0.37	0.383	2,969,223	7.3	0.38	6,615,773	7.5	0.30
08/31/19		17,712,769	38,337					2,984,986			6,643,285		
	09/01/19	17,713,001		August			Pounds Cr						
09/01/19		17,713,872	1,103	50,048			0.160	2,985,412			6,644,057		
09/05/19		17,719,385	5,513		7.8	0.48	0.489	2,987,590	7.3	0.50	6,644,933	7.3	0.43
09/18/19		17,790,650	71,265					3,009,066			6,701,147		
09/30/19		17,829,959	39,309					3,022,795			6,730,481		
	10/01/19	17,830,522		September			Pounds Cr						
10/01/19		17,831,112	1,153	117,521			0.479	2,985,412			6,644,057		
10/10/19		17,895,551	64,439		7.7			3,042,581	7.4	0.35	6,779,975	7.2	0.16

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

Industrial User (Wastev	water Discharge) Permit 18-21	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

¹ Beginning in September 2018, the Total Chromium lab sample was not filtered. Previously, through August 2018, the sample was filtered (0.45 micron filter). * On 3/31/18, the MH1 flowmeter face was blank. Upon replacing the batteries, the totalizer reading reverted to 2,472,869 gallons, a difference of -112,848 gallons

from the previous known total.

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

Ausmirum Ausmirum Cardmun Total Corporate Land Mercury Nick1 Cardmun (mgL) (mgL) </th <th></th> <th></th> <th></th> <th></th> <th></th> <th>Chromium</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Hexavalent</th>						Chromium							Hexavalent
Image (mgL) (mgL) <th< td=""><td></td><td></td><td>Aluminum</td><td>Arsenic</td><td>Cadmium</td><td></td><td>Copper</td><td>Cvanide</td><td>Lead</td><td>Mercurv</td><td>Nickel</td><td>Zinc</td><td>Chromium</td></th<>			Aluminum	Arsenic	Cadmium		Copper	Cvanide	Lead	Mercurv	Nickel	Zinc	Chromium
Perma 81-821 Lumins 70 10 0.3 7.0 3.5 10 2.0 0.002 2.0 10.0 4.5 CH2M HM 0022007 c.002 c.0000 0.0081 c.0001 c.0000 c.0001 c.0000 0.0081 c.0001 c.0000 c.00000 c.00010 c.0011 c.00111 c.0011 c.0011										,			(mg/L)
CH2M HH 022097 c.02 c.0004 0.005 c.0005 c.0005 c.0004 0.0057 c.0005 c.0005 c.0006 0.0057 c.0005 c.0007 c.0001 c.0005 c.0005 c.0007 c.0001 c.0015 c.0015 <thc.0015< th=""> c.0015 c.0015<td></td><td></td><td>70</td><td>1.0</td><td>0.3</td><td>7.0</td><td>3.5</td><td>1.0</td><td>2.0</td><td>0.002</td><td>2.0</td><td>10.0</td><td>4.5</td></thc.0015<>			70	1.0	0.3	7.0	3.5	1.0	2.0	0.002	2.0	10.0	4.5
CH2M U0152 < 0.0004 0.0087 < 0.0006 < 0.0006 < 0.0005 0.0100 Appletion 0.027488 < 0.011 < 0.002 < 0.0005 0.0100 < 0.0002 < 0.0005 0.0100 < 0.0002 < 0.0005 0.0100 < 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.00005 0.00003 < 0.0005 0.00003 0.0000 < 0.0005 0.00003 0.0000 < 0.0005 0.00003 0.0000 < 0.0005 0.00003 0.0000 0.00003 0.0010 0.0000 0.00003 0.0100 0.0000 0.0000 0.0010 0.0100 0.00003 0.0100 0.00003 0.0100 0.00003 0.0100 0.0000 0.00001 0.0101 0.00000 0.00001 <td></td> <td></td> <td>- 02</td> <td>. 002</td> <td>+ 00050</td> <td>0.04</td> <td>- 01</td> <td>+ 00001</td> <td>+ 00F</td> <td>- 0002</td> <td>+ 00F</td> <td>0.0051</td> <td>. 01</td>			- 02	. 002	+ 00050	0.04	- 01	+ 00001	+ 00F	- 0002	+ 00F	0.0051	. 01
Appleton 04/29/08 c101 c002 c006 0.0200 c.1 c0002 c.001 NA MCD 03/18/99 c001 c002 c0003 c0003 c0003 c0003 c0003 c0004 c00005 c00005 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>													
MCC 091899 e-000 e-0003 e-00032 e-00032 e-00034 e-00035 e-0003 e-0013 e-0013 e-0013 e-0014 0.0080 NA Appletion 0917100 e-015 e-0001 e-016 e-0005 e-0001 e-011 e-0013 e-0012 e-0118 NA MCC 091700 e-015 e-0007 e-0014 e-00013 e-0012 e-0118 NA MOD e-0017 e-0017 e-0114 e-00013 e-0017 e-0017 e-0017 e-0017 e-0017 e-0017 e-0017 e-0013 e-00005 e-011 e-0017 e-0013 e-00005 e-011 e-0017 e-0018 A-0013 e-00005 e-0112 e-0018 A-0013 e-00005 e-011 e-0018 A-0013 e-00005 e-0012 A-0014 A-0018 A-0011 A-0013 e-00005													
Appleton 03/14/99 <0.11 <0.02 <0.05 <0.05 <0.05 <0.05 <0.003 <1 <0.0015 <0.04 0.0080 NA Appleton 02/1500 <0.015				<.002	0.0050	0.1700		<.001					
Appleten 09/21/89 <011 <0.005 <0.005 <0.003 <0.003 <0.003 <0.003 <0.003 <0.003 <0.003 <0.003 <0.003 <0.003 <0.003 <0.003 <0.003 <0.003 <0.001 <1 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><.0036</td>													<.0036
Appletion 02/1500 < 0.001 0.102 0.004 0.004 0.004 0.003 0.004 0.001 0.003 0.014 0.003 0.014 0.003 0.014 0.003 0.014 0.003 0.016 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001													
MCD 03/1300 CODB C													
Appleton 0221101 <0.015 <0.002 <0.014 <0.05 <0.003 <0.04 No.04 Appleton 10/0201 0.016 <0.002													
MCD 0301101 <0.027 0.012 0.008 **** c.0033 <1.7 c.00005 0.08 *** 0.015 c.0001 c.001 c.0005 0.003 NA Appleton 017103 c.0027 c.0082 c.0005 0.013 c.00060 c.0003 c.0035 c.0025 v.014 c.0038 c.0005 c.011 c.0006 0.00022 v.0228 NA Appleton 0171 d.0017 c.0011 d.0006 c.00022 v.0213 v.0011 NA c.0013 d.011 NA A ADDID ADDID ADDID <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
MCD 03/19/02 <.0027 <.0027 <.0027 <.0027 <.0027 <.012 <.0005 <.011 <.0018 Appleton 05/2002 <.0049													<.0036
Appleton 05/02/02 - - - - - 0.0001 - 0.0001 - 0.0001 NA Appleton 02/11/03 -0.027 -0.0082 - 0.0003 - 0.0004 - 0.0001 0.0001 - 0.0011 - 0.0011 - 0.0011 - 0.0011 - 0.0011 - 0.0001 - 0.0011 - 0.0001 -													
Appletion 11/12/02 0.027 c.00082 c.00007 c.00007 c.000028 0.00028 0.00028 0.00028 0.00028 0.00028 0.00028 0.00028 0.00028 0.00028 0.00028 0.00028 c.00027 c.00028 0.00028 c.00018 c.00018 c.00018 c.00018 c.00018 c.00018 c.00018 c.00018 c.00018 c.000028 c.00028 c.000028 c.00028 c.00028 c.00028 c.000028 c.000028 c.00028													<.0036
Appleton 02/11/03 -0.0027 -0.0082 -0.0082 -0.00028 -0.00028 -0.00028 -0.00028 -0.00028 -0.00028 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0002 -0.0011 -0.0002 -0.0011 -0.0002 -0.0011 -0.0002 -0.0011 -0.0002 -0.0012 -0.0002 -0.0012 -0.0002 -0.0011 -0.0002 -0.0012 -0.0002 -0.0012 -0.0002 -0.0012 -0.0002 -0.0012 -0.0002 -0.0012 -0.0002 -0.0012 -0.0002 -0.0012 -0.0002 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0022 -0.0012 -0.0012 -0.0023 -0.0012 -0.0022 -0.010 MA De													
Appletan 0324403 -0.045 c.0027 -0.0080 c.16 -0.00050 c.0008 c.0													
Appleton 10/23/03 0.0045 .0.0013 -0.0001 0.221 -0.0008 -0.0002 -0.0022 -0.002 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0012 -0.0013 -0.0013 -0.0013 -0.0013 -0.0013 -0.0013 -0.0013 -0.0013 -0.0014 -0.00026 -0.0002 -0.0012 -0.0010 NA MCO 0.080805 0.00021 -0.0011 -0.00014 -0.0005 -0.0005 -0.00026 -0.0007 -0.0011 NA -0.0001 NA Appleton 0.022306 -0.0021 -0.00017 -0.0007 -0.0016 -0.0008 -0.00026 -0.00026 -0.0002 -0.0011 NA -0.0016 -0.00044 -0.00026 -0.0026 -0.0026 -0.0026 -0.0026 -0.0026 -0.0026 -0.0026 -0.0026 -0.0026 -0.0026 -0.0026 -0.0026 -0.0026 -0.0026 -0.0026 -0.0026 -0.0026 -0.004 NA -0.001													
Appleton 032404 -0.0050 -0.0071 -0.0011 -0.0003 -0.0088 -0.00025 -0.0020 -0.0013 -0.0014 NA MCO 0808050 0.023 -0.0003 -0.0031 -0.0018 -0.0003 -0.0018 -0.00026 -0.0014 -0.0022 -0.0014 -0.0022 -0.0017 -0.0011 NA Appleton 1022306 -0.0021 -0.0017 -0.0016 -0.0005 -0.0008 -0.00026 -0.0022 -0.0017 -0.0017 -0.0017 -0.0018 -0.00026 -0.0022 -0.0011 NA Appleton 0527206 -0.0076 -0.00074 0.0011 -0.0016 -0.0094 -0.00021 -0.0022 -0.0011 -0.0011 -0.0													
Appleton 11/08/04 0.0071 c0.0012 c0.0012 c0.0012 c0.0013 c0.0013 c0.0013 c0.0014 c0.00026 c0.0014 c0.00026 c0.0014 c0.00026 c0.0014 c0.00026 c0.0014 c0.00026 c0.0017 c0.0017 c0.0017 c0.0017 c0.0017 c0.0017 c0.0011 c0.0005 c0.0005 c0.0008 c0.00026 c0.0002 c0.0017 c0.0017 c0.0017 c0.0017 c0.0017 c0.0017 c0.0017 c0.0016 c0.0005 c0.0006 c0.00026 c0.0002 c0.0012 c0.0013 c0.0012 c0.0012 c0.0012 c0.011 AL Appleton 032207 c0.007 c0.001 A.4 c0.011 c0.012 c0.011 AL c0.011 c0.012 c0.011 c0.01													
Appleton 11/05/06 0.0021 c0.0021 c0.001 Ad.0217 c0.001 c0.001 c0.0011 c0.001 c0.0011 c0.0011 c0.011 c0.011 c0.011 c0.021 c0.003 c0.0011 c0.011 c0.021 c0.003 c0.0011 c0.011 c0.021 c0.003 c0.0011 c0.011 c0.021 c0.003 c0.0002 c0.011 c0.011 c0.024 c0.003 c0.0011 c0.011 c0.011 c0.024 c0.008 c0.0021 <thc0.0023< th=""> <th< td=""><td></td><td></td><td>0.0071</td><td></td><td><0.0001</td><td>0.04</td><td>0.0008</td><td></td><td></td><td><0.0002</td><td>0.0013</td><td></td><td>NA</td></th<></thc0.0023<>			0.0071		<0.0001	0.04	0.0008			<0.0002	0.0013		NA
Appleton 02/23/06 0.0021 e0.0011 0.008 e0.0005 e0.0008 e0.0002 0.0022 e0.012 NA MCD 03/23/06 e.0.20 e0.0076 e0.00074 0.321 0.0018 e0.00043 e0.00072 0.0021 e0.0026 e0.00072 0.0021 e0.0026 e0.0007 e0.0011 e0.0014 e0.0014 e0.0014 e0.0014 e0.0014 e0.0012 e0.0022 e0.0021 e0.011 NA Appleton 01/16/08 0.211 e0.0031 e0.0011 e0.013 e0.011 e0.0031 e0.0021 e0.011 e0.0033 e0.024 e0.0001 e0.024 e0.0011 e0.014 e0.0003 e0.0024 e0.0001 e0.024 e0.0011 e0.014 e0.0003 e0.0024 e0.001 e0.024 e0.001 e0.002 e0.011 e0.018 e0.002													<0.005
MCD 03/22/06 <0.0076 <0.00076 <0.00074 0.7018 0.0048 <0.00034 <0.00026 0.00021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0021 <0.0032 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0031 <0.0002 <0.014 <0.011 <0.001 <0.011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.													
Appleton 06/27/06 <0.0076 <0.0076 <0.0074 0.0700 0.0016 <0.00034 <0.00021 <0.0021 <0.0201 <0.0201 <0.0201 <0.0201 <0.0026 <0.0010 NA Appleton 0.037 <0.007													
Appleton 10/05/06 0.037 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0012 <0.0002 <0.0022 <0.004 <0.0013 <0.00021 <0.004 <0.0013 <0.00011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <0.0011 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
Appleton 03/22/07 <0.07 <0.07 <0.01 1.9 3.5 <0.004 <0.0002 <0.0004 <0.0008 NA Appleton 12/04/07 <0.0383													
MCO 04/02/07 0.0338 0.00024 0.00041 <0.00041 <0.00013 <0.00019 0.0035 0.0095 N.0011 Appleton 01/16/08 0.011 <0.011													
Appleton 01/16/08 0.211 <0.003 <0.014 NA OMNNI 04/08/08 0.0114 0.00043 0.0011 0.864 0.0014 0.00095 J <0.0024		04/02/07	0.0383	0.00024	0.000086	1.41	0.0041	< 0.0094	0.00013	<0.00019	0.0035	0.009	NA
OMNNI 04/08/08 0.0114 0.00043 0.0014 0.00095 J <0.0001 0.0024 0.0011 0.063 Appleton 08/19/08 <0.09													
Appleton 08/19/08 <0.08 <0.011 0.095 <0.05 <0.033 0.0002 <0.02 <0.011 NA Appleton 03/31/09 <0.015													
Appleton 03/31/09 c0.09 c0.011 0.908 c0.008 c0.005 c0.0002 c0.02 c0.01 NA OMNNI 04/07/09 c0.0151 0.0031 0.00040 J 0.767 0.0024 J c0.0061 c0.0001 0.0016 J 0.0137 J 0.84 Appleton 03/22/09 c0.06 c0.002 c0.01 1.6 c0.001 c0.003 c0.002 c0.01 NA Appleton 03/02/10 c0.066 c0.002 c0.01 1.6 c0.01 c0.008 c0.033 c0.0002 c0.01 NA Appleton 11/02/10 c0.01 c0.01 0.011 c0.01 c0.001 c0.01 c0.001 c0.01 c0.004 c0.0028 c0.008 c0.002 c0.02 c0.01 NA Appleton 00/22/11 c0.08 c0.0005 c0.011 1.3 c0.01 c0.007 c0.04 c0.0002 c0.02 c0.01 NA Appleton 03/21/12 c0.0865 c0.0047													
OMNNI 04/07/09 0.0151 0.0034 0.0040 J 0.767 0.0024 J 0.0061 0.0161 J 0.0173 J 0.84 Appleton 09/22/09 <0.08													
Appleton 09/22/09 <0.08 <0.006 <0.01 2.3 <0.01 <0.008 <0.002 <0.02 <0.01 NA Appleton 03/02/10 <0.06													
OMINI 04/06/10 0.051 J <0.0014 0.00043 J 1.16 0.0024 J <0.00075 <0.0001 0.0023 J 0.0046 J 1.3 Appleton 11/02/10 <0.010													
Appleton 11/02/10 <0.01 <0.01 <0.01 <0.01 <0.001 <0.001 <0.01 NA Appleton 02/24/11 <0.08										<0.0002			
Appleton 02/24/11 <0.08 <0.01 <0.01 1.5 <0.01 0.008 <0.04 <0.0002 <0.02 <0.01 NA OMNNI 04/05/11 0.0725 J 0.0025 J <0.0026 O.011													-
ÓMNNI 04/05/11 0.0725 J 0.0025 J <0.00026 0.401 0.0028 J <0.001 <0.0010 0.0003 J 0.0023 J 0.40 Appleton 10/26/11 <0.08													
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 <0.01													
Appleton 03/21/12 <0.11 <0.004 <0.01 1.3 0.01 0.007 <0.04 <0.002 <0.02 <0.01 NA Terracon 04/05/12 <0.0695													
Terracon 04/05/12 <0.0695 <0.0047 <0.00039 0.696 0.014 J <0.0061 <0.0010 0.0011 J <0.0053 0.83 Appleton 10/04/12 0.0865 0.0051 0.00048 0.0228 0.0022 0.0001 0.00013 J <0.0053													
Terracon 04/11/13 0.078 <0.004 <0.00048 0.431 0.0024 <0.0038 <0.027 <0.0010 0.00013 <0.0024 0.42 Appleton 04/17/13 <0.0714		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 04/17/13 <0.00714 <0.0042 <0.00048 0.279 0.0029 J <0.0038 <0.027 <0.0010 0.00062 J <0.0024 NA Appleton 11/20/13 <0.00714													
Appleton11/20/13<0.0714<0.0042<0.000481.130.0018 J0.0044 J<0.027<0.000100.00085 J0.0034 JNAAppleton04/15/140.119 J<0.0068													
Appleton04/15/140.119 J<0.0068<0.0010.270.0036 J<0.060<0.0016<0.0010<0.0013<0.0058NATerracon05/13/140.116 J<0.0068	معلماهم												
Terracon 05/13/14 0.116 J <0.0068 <0.001 0.273 0.0034 J <0.060 0.0040 J <0.0010 <0.0013 0.0064 J 0.28 Appleton 9/24/2014 <0.0655													
Appleton 9/24/2014 <0.0655 <0.0068 <0.001 0.757 <0.0034 <0.010 <0.0016 <0.0010 <0.0013 <0.0058 NA Terracon 4/15/2015 0.054 J <0.0072													
Terracon 4/15/2015 0.054 J <0.0072 <0.00060 0.858 0.0041 J <0.010 <0.0030 <0.0010 <0.0014 0.0026 J 0.92 Appleton 6/3/2015 <0.0655													
Appleton 10/21/2015 0.105 J <0.0068 <0.0010 0.676 <0.0034 <0.010 0.0024 J <0.0010 <0.0013 0.0078 J NA Terracon 5/12/2016 0.0637 J <0.0072			0.054 J						< 0.0030			0.0026 J	
Terracon 5/12/2016 0.0637 J <0.0072 <0.00060 0.645 <0.0036 <0.0068 <0.0030 <0.0013 0.018 J <0.0013 0.0103 0.010 0.010 <0.007 <0.007 <0.030 <0.0002 <0.020 <0.011 NA Appleton 11/1/2016 <0.090													
Appleton 5/17/2016 <0.090 <0.001 <0.010 0.530 <0.010 <0.007 <0.030 <0.0002 <0.020 <0.011 NA Appleton 11/1/2016 <0.090													
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 4/27/2017 <0.060													
Appleton 4/27/2017 <0.060 <0.001 <0.010 0.370 <0.010 0.007 <0.030 <0.0002 <0.020 <0.010 NA Terracon 6/8/2017 <0.0555													
Terracon 6/8/2017 <0.0555 <0.0083 <0.0013 0.345 <0.0063 <0.0068 <0.0043 <0.0013 <0.0026 <0.0093 0.35 Appleton 11/9/2017 <0.060													
Appleton 11/9/2017 <0.060 0.001 0.010 0.770 <0.010 <0.007 <0.030 <0.002 <0.020 <0.010 NA Appleton 5/22/2018 NA <0.015													
Terracon 6/7/2018 0.0713 J <0.0083 <0.0013 0.382 <0.0063 <0.014 <0.0043 <0.00013 <0.0026 <0.0093 0.383 Appleton 11/14/2018 NA 0.020 0.001 0.325 0.004 <0.009	Appleton												
Appleton 11/14/2018 NA 0.020 0.001 0.325 0.004 <0.009 <0.005 <0.0002 0.004 0.004 NA Appleton 4/18/2019 NA <0.015													
Appleton 4/18/2019 NA <0.015 <0.006 0.519 0.005 <0.005 <0.009 <0.002 0.005 <0.002 NA Terracon 7/10/2019 NA 0.0091 J <0.0013													
Terracon 7/10/2019 NA 0.0091 J <0.0013 0.229 <0.0063 0.011 J 0.006 J <0.00013 0.0029 J <0.0116 0.25													
	Appleton	9/18/2019	NA			0.223	~0.0003	0.0110	0.000 0	~0.00013	0.0023 J	~0.0110	NA

J = Estimated concentration detected above the limit of detection and below the limit of quantitation ¹ Beginning in September 2018, the Total Chromium lab sample was not filtered. Previously, through August 2018, the sample was filtered (0.45 micron filter).



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

July 19, 2019

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

RE: Project: 58117057 MAUTHE Pace Project No.: 40191024

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on July 11, 2019. 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,

Tod holtemeyor

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

Enclosures





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

CERTIFICATIONS

Project: 58117057 MAUTHE

Pace Project No.: 40191024

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.: 40191024

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40191024001	OUTFALL-001	Water	07/10/19 07:40	07/11/19 13:30
40191024002	OUTFALL-001	Water	07/11/19 07:50	07/11/19 13:30



SAMPLE ANALYTE COUNT

 Project:
 58117057 MAUTHE

 Pace Project No.:
 40191024

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40191024001	OUTFALL-001	EPA 6010	TXW	6	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 335.4	DAW	1	PASI-G
40191024002	OUTFALL-001	EPA 6010	TXW	1	PASI-G
		SM 3500-Cr B (Online)	DEY	1	PASI-G



SUMMARY OF DETECTION

Project: 58117057 MAUTHE

Pace Project No.: 40191024

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40191024001	OUTFALL-001					
EPA 6010	Arsenic	9.1J	ug/L	25.0	07/16/19 23:18	
EPA 6010	Lead	6.0J	ug/L	19.7	07/16/19 23:18	
EPA 6010	Nickel	2.9J	ug/L	10.0	07/16/19 23:18	
EPA 335.4	Cyanide	0.011J	mg/L	0.023	07/16/19 14:31	В
40191024002	OUTFALL-001					
EPA 6010	Chromium	229	ug/L	10.0	07/16/19 23:20	
SM 3500-Cr B (Online)	Chromium, Hexavalent	0.25	mg/L	0.043	07/11/19 14:05	



Project: 58117057 MAUTHE

Pace Project No.: 40191024

Method: EPA 6010

Description:6010 MET ICPClient:Terracon, Inc. - FranklinDate:July 19, 2019

General Information:

2 samples were 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.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 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: 58117057 MAUTHE

Pace Project No.: 40191024

Method: EPA 7470

Description:7470 MercuryClient:Terracon, Inc. - FranklinDate:July 19, 2019

General Information:

1 sample was analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 7470 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: 58117057 MAUTHE

Pace Project No.: 40191024

Method: SM 3500-Cr B (Online) Description: Chromium, Hexavalent

Client:Terracon, Inc. - FranklinDate:July 19, 2019

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:



Project: 58117057 MAUTHE

Pace Project No.: 40191024

Method: EPA 335.4

Description:335.4 Cyanide, TotalClient:Terracon, Inc. - FranklinDate:July 19, 2019

General Information:

1 sample was analyzed for EPA 335.4. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 335.4 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.

QC Batch: 327559

B: Analyte was detected in the associated method blank.

• BLANK for HBN 327559 [WETA/515 (Lab ID: 1902110)

Cyanide

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.

QC Batch: 327559

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40190890001,40191148006

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1902112)
 - Cyanide
- MS (Lab ID: 1902114)
- Cyanide
- MSD (Lab ID: 1902113)
 - Cyanide
- MSD (Lab ID: 1902115)
 - Cyanide
- R1: RPD value was outside control limits.
 - MS (Lab ID: 1902114)
 - Cyanide
 - MSD (Lab ID: 1902115)
 - Cyanide

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.: 40191024

Sample: OUTFALL-001	Lab ID:	40191024001	Collected	: 07/10/19	9 07:40	Received: 07/	(11/19 13:30 M	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical	Method: EPA 6	010 Prepara	ation Meth	od: EPA	3010			
Arsenic	9.1J	ug/L	25.0	8.3	1	07/16/19 06:51	07/16/19 23:18	7440-38-2	
Cadmium	<1.3	ug/L	5.0	1.3	1	07/16/19 06:51	07/16/19 23:18	7440-43-9	
Copper	<6.3	ug/L	20.0	6.3	1	07/16/19 06:51	07/16/19 23:18	7440-50-8	
Lead	6.0J	ug/L	19.7	5.9	1	07/16/19 06:51	07/16/19 23:18	7439-92-1	
Nickel	2.9J	ug/L	10.0	2.6	1	07/16/19 06:51	07/16/19 23:18	7440-02-0	
Zinc	<11.6	ug/L	40.0	11.6	1	07/16/19 06:51	07/16/19 23:18	7440-66-6	
7470 Mercury	Analytical	Method: EPA 7	470 Prepara	ation Meth	od: EPA	7470			
Mercury	<0.084	ug/L	0.28	0.084	1	07/15/19 10:15	07/16/19 09:41	7439-97-6	
335.4 Cyanide, Total	Analytical	Method: EPA 3	35.4 Prepar	ation Meth	nod: EP/	A 335.4			
Cyanide	0.011J	mg/L	0.023	0.0068	1	07/16/19 08:35	07/16/19 14:31	57-12-5	В
Sample: OUTFALL-001	Lab ID:	40191024002	Collected	: 07/11/19	9 07:50	Received: 07/	(11/19 13:30 M	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical	Method: EPA 6	010 Prepara	ation Meth	od: EPA	3010			
Chromium	229	ug/L	10.0	2.5	1	07/16/19 06:51	07/16/19 23:20	7440-47-3	
Chromium, Hexavalent	Analytical	Method: SM 35	500-Cr B (On	lline)					
Chromium, Hexavalent	0.25	mg/L	0.043	0.013	2.5		07/11/19 14:05		



Project:	58117057 MAUTH	Ξ										
Pace Project No.:	40191024											
QC Batch:	327466		Analys	sis Metho	d: E	PA 7470						
QC Batch Method:	EPA 7470		Analys	sis Descri	ption: 7	470 Mercu	ry					
Associated Lab Sa	mples: 401910240	001										
METHOD BLANK:	1901818			Matrix: W	ater							
Associated Lab Sa	mples: 401910240	001										
			Blan		Reporting							
Para	meter	Units	Resu	lt	Limit	Analy	/zed	Qualifier	S			
Mercury		ug/L	<	0.084	0.28	8 07/16/19	9 09:23					
LABORATORY CO	NTROL SAMPLE:	1901819										
LABORATORY CO	NTROL SAMPLE:	1901819	Spike	LC	s	LCS	% R	ec				
	NTROL SAMPLE:	1901819 Units	Spike Conc.	LC Res	-	LCS % Rec	% Re Limi		Qualifiers			
				Res	-		Limi		Qualifiers			
Para		Units ug/L	Conc.	Res	sult	% Rec	Limi	ts	Qualifiers	_		
Para	meter	Units ug/L	Conc.	Res	4.9	% Rec	Limi	ts	Qualifiers	_		
Para Mercury MATRIX SPIKE & N	MATRIX SPIKE DUP	Units ug/L LICATE: 1901 40191024001	Conc. 820 MS Spike	MSD Spike	4.9 1901821 MS	% Rec	Zimi 7 8 MS	ts 35-115 MSD	Qualifiers % Rec	_	Max	
Para	MATRIX SPIKE DUP	Units ug/L LICATE: 1901	- Conc. 5 820 MS	MSD	4.9 1901821	% Rec 97	 7	ts		RPD	Max RPD	Qual

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.



Project: 58117057 MAUTHE

Pace Project No.: 40191024

QC Batch: 327590		Analysis I	Method:	EF	PA 6010			
QC Batch Method: EPA 3010		Analysis I	Description:	60	10 MET			
Associated Lab Samples: 40191024	1001, 40191024002							
METHOD BLANK: 1902248		Mat	rix: Water					
Associated Lab Samples: 40191024	001, 40191024002							
		Blank	Report	ng				
Parameter	Units	Result	Limi		Analyze	d Qual	lifiers	
Arsenic	ug/L	<8>	3.3	25.0	07/16/19 22	2:41		
Cadmium	ug/L	<1	.3	5.0	07/16/19 22	2:41		
Chromium	ug/L	<2	2.5	10.0	07/16/19 22	2:41		
Copper	ug/L	<6	5.3	20.0	07/16/19 22	2:41		
Lead	ug/L	<5	5.9	19.7	07/16/19 22	2:41		
Nickel	ug/L	<2	2.6	10.0	07/16/19 22	2:41		
Zinc	ug/L	<11	.6	40.0	07/16/19 22	2:41		
LABORATORY CONTROL SAMPLE:	1902249							
		Spike	LCS		LCS	% Rec		
Parameter	Units	Conc.	Result	ç	% Rec	Limits	Qualifiers	
Arsenic	ug/L	500	466	;	93	80-120		
Cadmium	ug/L	500	478	5	96	80-120		

Cadmium	ug/L	500	478	96	80-120	
Chromium	ug/L	500	483	97	80-120	
Copper	ug/L	500	488	98	80-120	
Lead	ug/L	500	482	96	80-120	
Nickel	ug/L	500	490	98	80-120	
Zinc	ug/L	500	494	99	80-120	
	-					

MATRIX SPIKE & MATRIX S		CATE: 1902	250		1902251							
			MS	MSD								
	4	40191231006	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	ug/L	<25.0	500	500	475	487	93	95	75-125	3	20	
Cadmium	ug/L	<5.0	500	500	488	493	98	99	75-125	1	20	
Chromium	ug/L	<10.0	500	500	486	489	97	98	75-125	1	20	
Copper	ug/L	<20.0	500	500	503	502	100	100	75-125	0	20	
Lead	ug/L	<19.7	500	500	490	497	98	99	75-125	1	20	
Nickel	ug/L	<10.0	500	500	496	498	98	98	75-125	0	20	
Zinc	ug/L	<40.0	500	500	510	513	99	99	75-125	0	20	

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

REPORT OF LABORATORY ANALYSIS

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Project:	58117057 MAUTH	ΗE										
Pace Project No .:	40191024											
QC Batch:	QC Batch: 327271				d: S	SM 3500-Ci	B (Online))				
QC Batch Method:	SM 3500-Cr B (0	Online)	Analy	sis Descri	ption: C	Chromium,	Hexavalent	t by 3500				
Associated Lab Sam	ples: 40191024	1002										
METHOD BLANK:	1900103			Matrix: W	ater							
Associated Lab Sam	ples: 40191024	1002										
Param	eter	Units	Blar Res		Reporting Limit	Analy	/zed	Qualifier	s			
Chromium, Hexavale		mg/L			0.017			Quantor				
,,												
LABORATORY CON	ITROL SAMPLE:	1900104										
Param	lotor	Units	Spike Conc.	LC Res	-	LCS % Rec	% Re Limi		Qualifiers			
Chromium, Hexavale		mg/L	0.		0.30	99		90-110	Quantero	_		
			405		4000400							
MATRIX SPIKE & M	ATRIX SPIKE DUI	PLICATE: 1900	MS	MSD	1900106							
		40191024002	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
	Units	s Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Parameter	Onits											

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.



Project:	58117057 MAUTH	E										
Pace Project No.:	40191024											
QC Batch:	327559		Analy	ysis Metho	d: E	EPA 335.4						
QC Batch Method:	EPA 335.4		Anal	ysis Descri	ption: 3	335.4 Cyan	ide, Total					
Associated Lab San	nples: 40191024	001										
METHOD BLANK:	1902110			Matrix: W	ater							
Associated Lab San	nples: 40191024	001										
			Blai		Reporting							
Paran	neter	Units	Res	ult	Limit	Anal	yzed	Qualifier	s			
Cyanide		mg/L	0	.0079J	0.023	3 07/16/1	9 14:07					
LABORATORY COM	NTROL SAMPLE:	1902111										
			Spike	LC	S	LCS	% R	ec				
Paran	neter	Units	Conc.	Res	sult	% Rec	Limi	ts (Qualifiers			
Cyanide		mg/L	0	.1	0.092	9	2	90-110				
MATRIX SPIKE & M	IATRIX SPIKE DUP	LICATE: 1902	112		1902113							
			MS	MSD								
_		40190890001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Cyanide	mg/L	0.14	0.6	0.6	0.58	0.59	74	76	90-110	2	20	M0
MATRIX SPIKE & N	IATRIX SPIKE DUP	LICATE: 1902	114		1902115							
			MS	MSD								
		40191148006	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Cyanide	mg/L	0.041J	0.6	0.6	0.56	0.45	87	68	90-110	22	20	M0,R1

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.: 40191024

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

- B Analyte was detected in the associated method blank.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- R1 RPD value was outside control limits.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

 Project:
 58117057 MAUTHE

 Pace Project No.:
 40191024

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40191024001 40191024002	OUTFALL-001 OUTFALL-001	EPA 3010 EPA 3010	327590 327590	EPA 6010 EPA 6010	327699 327699
40191024001	OUTFALL-001	EPA 7470	327466	EPA 7470	327540
40191024002	OUTFALL-001	SM 3500-Cr B (Online)	327271		
40191024001	OUTFALL-001	EPA 335.4	327559	EPA 335.4	327624

	(Please Print Clearly)			-						- Cardense	R MIDWES			Page 1	l of
ompany Nam	- Cr acov.					• A n:	alytic	·218			Min: c)12-607-170	00 WI: 920-469-2436) 1	40191024	ц į
ranch/Locati	TULUCC] /	/_/	rau		acelabs.								4019100	
Project Contac	ot: Scott Hud	eson	1 1										Quote #:			ć
Phone:	414-204-7	440		C	<u>;H/</u>	AIN	OF	<u>- C</u>	<u>US</u>	TO	DY	<u></u>	Mail To Conta	ict:		
Project Numbe			A⊐N	lone B=l	HCL C:	=H2SO4	*Preserve D=HNO	ation Cod 3 E=DI		F≕Metha	nol G=N	laOH	Mail To Compa	any:	Jane	
Project Name:			<u> </u> н=s	Sodium Bisul	lfate Solu	tion	I=Sodiur	m Thiosulf	fate .	J=Other			Mail To Addre	ss:		
Project State:	WI			ERED? S/NO)	. Y/N	N	N	N	N							
Sampled By (P	· · · · ·	Udason		RVATION DDE)*	Pick Letter		D	D	G				Invoice To Con	tact:		
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PO #:	7200 1.1	Regulatory Program:			sted	S	6						Invoice To Addr	ress:		
Data Packag	te Options MS/MSD		trix Code	8	= nb	ž	3								N	
	ble) On your sa	mple A = Air B = Blota	W = Water DW = Drink	ding Water	S Re	Chank	6	5	10	S						
	(Diliable	d on 0=0il	GW = Grou SW = Surfa	ice Water	lyse		5	- 3	12				Invoice To Pho			
PACE LAB #	CLIENT FIELD II	ple SI = Sludge	WW = Was WP = Wipe ECTION TIME		Analys	¥ ¥	ESS ESS	Mercury	Cyanidr	total			CLIENT COMMENT		LAB COMMENTS (Lab Use Only)	Profile #
001	OUT FALL-OO		0740	(410)		1200	1-250	1-,)50	1-350				Al no lenger	~		
	OUT FALL-QUI		0750				100			1-250						
	<u></u>					1									0	
														7		
					5											
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													1			
Rush Turr	naround Time Requested -	Prelims Relin	quished By;			I	7/	11-19			Received	By:	Dgte/	Time:	PACE Pr	roject No.
(Rush TA	AT subject to approval/surc Date Needed:	harge)	quished By:	A.N	ody	son	<u>.</u>	chq'		30	Received	hi	fur 1/11 Dater	// ¶ Time:	2945 YOL9	1024
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	mples on HOLD are subject to al pricing and release of ilability	Relino	quished By:				Dat	e/Time:			Received	By:	Date/	Time:	Present / N	

Cli	ent	Na			needin			▲ <u>Co</u> on have					below	mpl : 4Yes : (00	Pro		t #		M	01	9	10	n 25 pH adj		405	43	<u>1</u>			when	1241 8	Bellevue Green	I Services, LLG Street, Suite Bay, WI 54302 MILL 335
Pace Lab#	AGIU	AGIH	AG4S	Glas 9C40	AGSU "	AG2S	BG3U	BP1U	BP2N	BP2Z	Plast NEdg		BP3N	BP3S	DG9A	DG9T	VG9U S	als H6DA	VG9M	VG9D	JGFU	Jars NGFU		SP5T o	zPLC	al NG	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001												1																		1	1		2.5/5/10
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Ex	ceptio	ns to r	oreserv	vation (check:	VOA,	Colif	orm, T	юс, т	ΌΧ, Τ	юн, о	0&G, V	VIDRO	D, Pher	nolics,	Other:			· .	He	adspac	e in V	OA V	als (>6	(mm) :	□Yes	⊡No	N/A	*If yes	s look i	n headsj	nace coli	umn
AG1U AG1H AG4S AG4U AG5U AG2S BG3U	1 lite 1 lite 125 r 120 r 100 r 500 r	r amb r amb nL an nL an nL an nL an	ber gla ber gla nber g nber g nber g nber g	iss ass HC glass F glass u glass u glass F	CL 12SO4 inpres inpres 12SO4	1		BP BP BP BP BP BP BP	1U 2N 2Z 3U 3B 3N	1 lite 500 m 500 m 250 m 250 m 250 m	r plast nL pla nL pla nL pla nL pla nL pla	tic unj astic H astic N astic u astic N astic H	ores INO3	Znact		DG DG VG VG VG VG	9T 9U 9H 9M	40 ml 40 ml 40 ml 40 ml 40 ml 40 ml	L amb L clea L clea L clea	er asc er Na r vial r vial r vial	orbic Thio unpre HCL MeOI	S		JG WG WP SP ZP	FU FU FU 5T	4 oz 4 oz 4 oz 120 r	amber clear j plastic	jar u ar unj jar u	npres ores npres	osulfat			

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F-GB-C-046-Rev.02 (29Mar2018) Sample Preservation Receipt Form

Page <u>1</u> of <u>2</u>

Pace Analytical [®] 1241 Bellevue Street, Green Bay, WI 5430	1	cument No.: - C-031-Rev.07		uing Authority: en Bay Quality Office
T241 Delievide Otreet, Green Day, WI 3430	<u>-00</u>			c. buy eadiny office
Sample	Condition Up	on Receipt Form	(SCUR)	
Client Name: Terra (Dh		Project #:	1104.	10101021
Client Name: <u>Jerra Lon</u> Courier: □ CS Logistics □ Fed Ex □ Speed		Waltco	WUH · ·	40191024
Client Pace Other:		Walteo		
Fracking #:			40191024	
Custody Seal on Cooler/Box Present: 🔽 yes	~ (See	
Custody Seal on Samples Present: 🔽 yes 🛛		xt: □ yes □ no		
Packing Material: 🔲 Bubble Wrap 🔲 Bub Fhermometer Used SR - NIA	- · ·	ne L Other Blue Dry None	Samples on	ice, cooling process has begun
Cooler Temperature Uncorr: Lo] /Corr:) Blue Bly None	V Gampies on	ice, cooling process has begun
Femp Blank Present: 🗍 yes 🏹 no	Biologica	Tissue is Frozen:	yes no	Person examining content
Femp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C.				Date://///2 Initials:/G
Chain of Custody Present:	ZYes No N	A 1.		
Chain of Custody Filled Out:	□Yes 🗖 No □N/	A 2. Us on #		7/11/91
Chain of Custody Relinquished:	1	A 3.		
Sampler Name & Signature on COC:	ZYes No N	A 4.		
Samples Arrived within Hold Time:	ØYes □No	5.		
- VOA Samples frozen upon receipt	□Yes □No	Date/Time:		
Short Hold Time Analysis (<72hr):	Yes No	6.		
Rush Turn Around Time Requested:	□Yes ZNo	7.		
Sufficient Volume:		8.		
For Analysis: ⊉Yes □No MS/MS	D: Yes ZNO N	A		
Correct Containers Used:	ØYes □No	9.		
-Pace Containers Used:				
-Pace IR Containers Used:		A		
Containers Intact:	ØYes □No	10.		
Filtered volume received for Dissolved tests		A 11.	surala ~ ~	looble ink - smol
Sample Labels match COC:	YYes □No □N/ W	A 12. CILENT USE	~ ~~	in in the - Juroc
-Includes date/time/ID/Analysis Matrix: Irip Blank Present:		12		7////
Trip Blank Custody Seals Present				
Pace Trip Blank Lot # (if purchased):				
Client Notification/ Resolution:			ecked, see attach	ed form for additional comments
Person Contacted: Comments/ Resolution:	Date	e/Time:		
		······································		· · · · · · · · · · · · · · · · · · ·
			•	
		~ ~ ~		
Project Manager Review:	AL	or DM	Date:	7/1/19



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

August 14, 2019

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

RE: Project: 58117057 MAUTHE Pace Project No.: 40192556

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on August 07, 2019. 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,

Day Milent

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

Enclosures





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

CERTIFICATIONS

Project: 58117057 MAUTHE

Pace Project No.: 40192556

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.: 40192556

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40192556001	OUTFALL-001	Water	08/07/19 07:30	08/07/19 15:40



SAMPLE ANALYTE COUNT

 Project:
 58117057 MAUTHE

 Pace Project No.:
 40192556

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40192556001	OUTFALL-001	EPA 6010	TXW	1	PASI-G
		SM 3500-Cr B (Online)	DEY	1	PASI-G



SUMMARY OF DETECTION

Project: 58117057 MAUTHE

Pace Project No.: 40192556

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40192556001	OUTFALL-001					
EPA 6010 SM 3500-Cr B (Online)	Chromium Chromium, Hexavalent	383 0.37	ug/L mg/L	10.0 0.043	08/13/19 12:03 08/07/19 16:10	



PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40192556

Method: EPA 6010

Description:6010 MET ICPClient:Terracon, Inc. - FranklinDate:August 14, 2019

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.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 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.: 40192556

Method:	SM 3500-Cr B (Online)
Description:	Chromium, Hexavalent
Client:	Terracon, Inc Franklin
Date:	August 14, 2019

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.: 40192556

Sample: OUTFALL-001	Lab ID:	40192556001	Collected	d: 08/07/19	9 07:30	Received: 08/	07/19 15:40 M	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical	Method: EPA 6	010 Prepar	ration Meth	od: EPA	3010			
Chromium	383	ug/L	10.0	2.5	1	08/09/19 07:14	08/13/19 12:03	7440-47-3	
Chromium, Hexavalent	Analytical	Method: SM 35	500-Cr B (O	nline)					
Chromium, Hexavalent	0.37	mg/L	0.043	0.013	2.5		08/07/19 16:10		



QUALITY CONTROL DATA

Project:	58117057 MAUTH	IE										
Pace Project No.:	40192556											
QC Batch:	330117		Anal	ysis Metho	od: E	EPA 6010						
QC Batch Method:	EPA 3010		Anal	ysis Descr	iption: 6	6010 MET						
Associated Lab San	nples: 40192556	001										
METHOD BLANK:	1915639			Matrix: V	Vater							
Associated Lab San	nples: 40192556	001										
			Bla	nk	Reporting							
Paran	neter	Units	Res	ult	Limit	Anal	yzed	Qualifier	S			
Chromium		ug/L		<2.5	10.0	0 08/13/1	9 11:42					
LABORATORY COM	NTROL SAMPLE:	1915640										
			Spike	L	CS	LCS	% R	ec				
Paran	neter	Units	Conc.	Re	sult	% Rec	Limi	ts	Qualifiers	_		
Chromium		ug/L	50	00	505	10	1 8	30-120				
MATRIX SPIKE & M	IATRIX SPIKE DUP	PLICATE: 1915	641		1915642							
			MS	MSD								
		40192551001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chromium	ug/L	<2.5	500	500	500	499	100	100	75-125	0	20	

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



QUALITY CONTROL DATA

Project:	58117057 MAUTH	IE										
Pace Project No.:	40192556											
QC Batch:	329903		Anal	ysis Metho	od: S	M 3500-C	r B (Online))				
QC Batch Method:	SM 3500-Cr B (C	Online)	Anal	ysis Descr	iption: C	hromium,	Hexavalent	t by 3500				
Associated Lab Samp	oles: 40192556	001										
METHOD BLANK:	1914228			Matrix: W	Vater							
Associated Lab Samp	oles: 40192556	001										
			Bla		Reporting							
Parame	eter	Units	Res	ult	Limit	Analy	yzed	Qualifie	rs			
Chromium, Hexavale	nt	mg/L	<	0.0051	0.017	08/07/1	9 11:00					
LABORATORY CON	TROL SAMPLE:	1914229										
			Spike	LC	CS	LCS	% R	ес				
Parame	eter	Units	Conc.	Re	sult	% Rec	Limi	ts	Qualifiers			
Chromium, Hexavale	nt	mg/L	0	.3	0.29	9	6 9	90-110				
MATRIX SPIKE & MA	TRIX SPIKE DUF	PLICATE: 1914	230		1914231							
			MS	MSD								
Demonster	11-11-	40192470002	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	0
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chromium, Hexavaler	nt mg/L	< 0.051	3	3	2.9	2.8	97	95	5 90-110	2	20	

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



QUALIFIERS

Project: 58117057 MAUTHE

Pace Project No.: 40192556

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay



QUALITY CONTROL DATA CROSS REFERENCE TABLE

 Project:
 58117057 MAUTHE

 Pace Project No.:
 40192556

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40192556001	OUTFALL-001	EPA 3010	330117	EPA 6010	330228
40192556001	OUTFALL-001	SM 3500-Cr B (Online)	329903		

Company Na Branch/Locat	ume: 7	e Print Clearly) Crecan A. Juran Kee cott Hodgse 19-209-264				P ace	Ana							<u>WEST R</u> 7-1700	<u>EGION</u> WI: 920-	469-2436	ų	Page , D Q 7 S	1 of Sle
Project Conta	act: S	cott Hudos	24				www.p	ecelabs.	com						Q	uote #:			Ĺ
Phone:	4	14-209-761	N-		C	CH/	AIN	OF	- C	US'	ΤO	DY	7		Mail	Fo Contact:	1		
Project Numb	ber: S	8117057	<u>ю </u>	A≠N		HCL C:		*Preserv	ation Cod	103		nol G=1]	Mail T	o Company:		ant	
Project Name		auth-		2000 CONT 2000 CO	iodium Bisu				m Thiosulf		-Weuna Other			_	Mail T	o Address:		1	
Project State:	<u> </u>	<u>uuiny</u>			ERED?	Y/N			Γ				Т					1	
		THedgson,		PRESE	S/NO) RVATION	Pick		A							Invoice	To Contact:			
Sampled By (HA II.		(CO)DE)*	Letter										To Company:		+	
		WIN. HORA	Regulatory			2	1.3	5										<u> </u>	
PO #: Data Packa			Program: Mati	rix Codes	8	Analyses Requested	Chromien	Chomic m							Invoice	To Address:		1	
🗖 EPA	able) A Level III	(billable)		W = Water DW = Drinki GW = Grour SW = Surfac	nd Water	yses R		V							Invoic	e To Phone:			
	A Level IV		6 = Soil 61 = Sludge COLLE	WW = Wast WP = Wipe	te Water	Anal	70ta/	He X								LIENT		OMMENTS Use Only)	Profile #
		FALLOUI	DATE 8/7/17		w		1250										(Lav		<u> </u>
∞ +	UHI		- 114	000	au		120	<u>, 20</u>											
														10					
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		ne Requested - Prelim to approval/surcharge) led:		uished By:	p.J	100	por				30	Received Received	h	U	Alle	Bate/Time:	1122	PACE PI	oject No. ZSSG
Transmit Preli		ts by (complete what you wa			IN	ne	' 8	171	19	154	(0	. COCOND	\sim	W	l	8719	1540		
mail #1:				uished By:	-7'			Dat	e/Time:	,		Received	By:	<u>V</u>		Date/Time:	-	Receipt Temp =	<u>° 105</u>
mail #2: elephone:			Relina	uished By:				Dat	e/Time:	<u></u>		Received	Bv:			Date/Time:		Sapaple R	eceipt pH ljusted
ax:								Jan					-7.					Cooler Cu	the second second second second second second second second second second second second second second second s
	amples on HOLI cial pricing and	D are subject to release of liability	Relinqu	uished By:				Date	e/Time:			Received	By:			Date/Time:		Present / N Intact / N Version 6.0 06/14/00	

Cl	ient							<u>Un</u> on have		ı check	ed and	noted	_					tion	n Ro (D)	eceij YZ	pt F	fori (y	n						Initia	l when	1241 E	Bellevue Green Date/	I Services, LLC 4 Street, Suite 9 5 Bay, WI 54302 7
	r					. *		т. Т	:	La	ib Lot#	of pH	paper	101	1503	891		Lab S	td #ID	of pre	servat	ion (if	pH adj	usted):					com	oleted:	MH	Time:	· · ·
				Glass	5					9. 18. g. g. a	Plast	tic					Vi	als		y		Jars		Ge	enera	al	-6mm) *		t pH≥9			ted	Valaria
Pace Lab #	AGIU	AG1H	AG4S	AG4U	AGSU	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	H6DA	M69M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	S	VOA Vials (>6mm)	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001					i dag						1																				X		2.5 / 5 / 10
002																										2							2.5/5/10
003																																	2.5/5/10
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011															À																		2.5 / 5 / 10
012											<u> </u>			hn+	5	71	a		<u> </u>														2.5/5/10
013 014									a server	1					724	11	r I																2.5 / 5 / 10
014								\vdash																									2.5/5/10
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018																																	2.5/5/10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10
	ceptio	ons to p	oreserv	vation c	heck:	VOA,	Colif	òrm, T	OC, 1	TOX, T	ОН, О	&G, W	/I DRO), Pher	nolics,	Other:				He	adspac	e in V	OA Vi	als (>6	mm) :	□Yes	□No	,X 1/A	*If yes	s look i	n headsp	ace colu	
AG1U AG1H AG4S AG4U AG5U	1 lite 125 r 120 r 100 r	r amb mL an mL an mL an	ber gla nber g nber g nber g	ss HC lass H lass u lass u	I2SO4 npres npres			BP BP BP BP BP	2N 2Z 3U 3B	500 r 500 r 250 n 250 n	nL pla nL pla nL pla nL pla	tic unp astic H astic N astic un astic N	INO3 IaOH, npres IaOH	Znaci		DG DG VG VG VG	9T 9U 9H 9M	40 ml 40 ml 40 ml 40 ml	L clea L clea L clea	oer Na r vial r vial r vial	Thio unpre HCL MeOI	S		JG WG WP	FU FU 5T	4 oz o 4 oz j 120 n	clear j plastic nL pla	jar un ar unp jar ur	res ipres	osulfat	e		
AG2S BG3U	500 r 250 r	nL an nL cle	nber g ear gla	lass H ass un	l2SO4 pres	÷		BP BP	(1) (1) (2)			istic H istic H				VG	9D	40 mI	L clea	r vial	DI			ZPI	LC GN:	ziplo	c bag						

Page <u>1</u> of <u>2</u>

Pace Analytical		ıment Name: on Upon Receipt (SCl	JR) Document Re	vised: 25Apr2018
		cument No.:		Authority:
1241 Bellevue Street, Green Bay, WI 54302	F-GB	-C-031-Rev.07	Pace Green E	ay Quality Office
Sample C	ondition Upc	on Receipt Form	n (SCUR)	
		Project #:		
Client Name: <u>EYracun</u>			WO#:40	192556
ourier: 🗖 CS Logistics 🗖 Fed Ex 📘 Speedee		Valtco		
Client Client Other:				
racking #:			40192556	
ustody Seal on Cooler/Box Present: 🔽 yes				
ustody Seal on Samples Present: 「 yes IXr acking Material: 「 Bubble Wrap 「 Bubbl		t: 「 yes 「 no		
		Blue Dry None		cooling process has begun
ooler Temperature Uncorr: 20 /Corr:				coming process has begun
emp Blank Present: 🔽 yes 🕅 no	Biological	Tissue is Frozen: 「		erson examining contents:
emp should be above freezing to 6° C. iota Samples may be received at $\leq 0^{\circ}$ C.				te:6[_/119 tials:M4
	¥yes □No □N/A	1.	<u> </u>	
hain of Custody Filled Out:		2. NO Riget	- 81719 mt	
hain of Custody Relinquished:				
ampler Name & Signature on COC:		4.		
amples Arrived within Hold Time:	Yes No	5.		
- VOA Samples frozen upon receipt	Yes No	Date/Time:		
hort Hold Time Analysis (<72hr):	XYes □No	6.		
ush Turn Around Time Requested:	□Yes 🔏No	7.	······································	n galan an an an an an an an an an an an an a
ufficient Volume:		8.		
For Analysis: 🔀 🛛 No 🛛 MS/MSD:		N .		
orrect Containers Used:	Yes DNo	9.	· · ·	
-Pace Containers Used:				
-Pace IR Containers Used:		<u></u>		14 July 14 Jul
ontainers Intact:	Yes 🗆 No	10.		
iltered volume received for Dissolved tests		11.		
ample Labels match COC:		12.		
-Includes date/time/ID/Analysis Matrix:				
		13.		
		`		
ace Trip Blank Lot # (if purchased): lient Notification/ Resolution:			ookod and the late	
Person Contacted:	Date	/Time:	ecked, see attached for	m for additional comments
Comments/ Resolution:				
				and the second second second second second second second second second second second second second second second
		······		
				······································
Project Manager Review:	FOI	0	Date: D	all the second

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

September 10, 2019

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

RE: Project: 58117057 MAUTHE Pace Project No.: 40194379

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on September 05, 2019. 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,

Day Milent

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

Enclosures





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

CERTIFICATIONS

Project: 58117057 MAUTHE

Pace Project No.: 40194379

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.: 40194379

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40194379001	OUTFALL-001	Water	09/05/19 06:55	09/05/19 14:10



SAMPLE ANALYTE COUNT

 Project:
 58117057 MAUTHE

 Pace Project No.:
 40194379

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40194379001	OUTFALL-001	EPA 6010	TXW	1	PASI-G
		SM 3500-Cr B (Online)	DEY	1	PASI-G



SUMMARY OF DETECTION

Project: 58117057 MAUTHE

Pace Project No.: 40194379

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40194379001	OUTFALL-001					
EPA 6010 SM 3500-Cr B (Online)	Chromium Chromium, Hexavalent	489 0.48	ug/L mg/L	10.0 0.043	09/09/19 12:22 09/05/19 14:45	



PROJECT NARRATIVE

Project: 58117057 MAUTHE

Pace Project No.: 40194379

Method: EPA 6010

Description:6010 MET ICPClient:Terracon, Inc. - FranklinDate:September 10, 2019

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.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 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.: 40194379

Method:	SM 3500-Cr B (Online)
Description:	Chromium, Hexavalent
Client:	Terracon, Inc Franklin
Date:	September 10, 2019

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.: 40194379

Sample: OUTFALL-001	Lab ID:	40194379001	Collected	1: 09/05/19	9 06:55	Received: 09/	05/19 14:10 M	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical	Method: EPA 6	010 Prepar	ation Meth	od: EPA	A 3010			
Chromium	489	ug/L	10.0	2.5	1	09/06/19 06:21	09/09/19 12:22	7440-47-3	
Chromium, Hexavalent	Analytical	Method: SM 35	500-Cr B (O	nline)					
Chromium, Hexavalent	0.48	mg/L	0.043	0.013	2.5		09/05/19 14:45		



QUALITY CONTROL DATA

Project:	58117057 MAUTH	E										
Pace Project No.:	40194379											
QC Batch:	332977		Analy	sis Metho	od: E	PA 6010						
QC Batch Method:	EPA 3010		Analy	ysis Descr	iption: 6	010 MET						
Associated Lab Sar	mples: 40194379	001										
METHOD BLANK:	1932785			Matrix: W	/ater							
Associated Lab Sar	mples: 40194379	001										
			Blar	nk	Reporting							
Parar	neter	Units	Res	ult	Limit	Anal	/zed	Qualifie	rs			
Chromium		ug/L		<2.5	10.0	09/09/1	9 11:39					
LABORATORY CO	NTROL SAMPLE:	1932786										
			Spike	LC	CS	LCS	% R	ec				
Parar	neter	Units	Conc.	Re	sult	% Rec	Limi	ts	Qualifiers			
Chromium		ug/L	50	00	503	10	1 8	30-120				
			707		1932788							
MATRIX SPIKE & N	ATRIX SPIKE DUF	LICATE: 1932	/8/									
MATRIX SPIKE & N	ATRIX SPIKE DUF		MS	MSD								
		40194387001	MS Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
MATRIX SPIKE & N Paramete		40194387001	MS	-		MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual

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 MAUTH	E										
Pace Project No.:	40194379											
QC Batch:	332956		Analy	ysis Metho	d: S	SM 3500-C	B (Online)	1				
QC Batch Method:	SM 3500-Cr B (C	Online)	Anal	ysis Descri	iption: C	Chromium,	Hexavalent	by 3500				
Associated Lab Sam	ples: 40194379	001										
METHOD BLANK:	1932517			Matrix: W	/ater							
Associated Lab Sam	ples: 40194379	001										
Param	eter	Units	Blaı Res		Reporting Limit	Analy	/zed	Qualifie	rs			
Chromium, Hexavale	ent	mg/L	<	0.0051	0.017	09/05/1	9 14:45					
LABORATORY CON	TROL SAMPLE:	1932518										
Param	eter	Units	Spike Conc.		CS sult	LCS % Rec	% Re Limi		Qualifiers			
Chromium, Hexavale	ent	mg/L	0	.3	0.30	10	1 9	90-110				
MATRIX SPIKE & M	ATRIX SPIKE DUP	LICATE: 1932			1932520							
		40404070004	MS	MSD		MOD		MOD	04 D			
Parameter	Units	40194379001 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavale	nt mg/L	0.48	0.75	0.75	1.2	1.2	99	98	3 90-110	1	20	

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



QUALIFIERS

Project: 58117057 MAUTHE

Pace Project No.: 40194379

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay



QUALITY CONTROL DATA CROSS REFERENCE TABLE

 Project:
 58117057 MAUTHE

 Pace Project No.:
 40194379

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40194379001	OUTFALL-001	EPA 3010	332977	EPA 6010	333120
40194379001	OUTFALL-001	SM 3500-Cr B (Online)	332956		

Invitation Territation Invitation Territation Invitation	Profile #
Project Contact: S & th //tod y son Project Contact: S & th //tod y son Project Contact: S & th //tod y son Project Number: S & th //tod y son Project Number: S & th //tod y son Project Number: S & th //tod y son Project Name: Mauth c Project State: U J oject A: Project A: Project State: U J Project A: Invoice To Contact: Imminisher Project A: Project A: Invoice To Contact: Imminisher Date Package Options (Billable) Matrix Codes 0 or 0in your samp	
roject Number: 5 % 1 1 0 57 A=None B=HCL C=H2SO4 D=HNO3 E=DW Water F=Methanol G=NaOH roject Name: Mail To Address: Mail To Address: Mail To Address: Mail To Address: roject State: U I PRESERVATION	
oject Number: 58117057 oject Name: Mail To Company: Mail To Address: Mail To Address: oject State: UT umpled By (Print): Staft A. Hodeson Pickandon Mail To Address: Mail To Address: Preservation Codes Mail To Address: Impled By (Print): Staft A. Hodeson Pick	
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oject Name: Mauthe oject Name: Muthe oject State: UT Impled By (Print): Scott A. Hudgson Impled By (Sign): Mutha. Hodgson Impled By (Sign): Mutha. Hodgan Preservation (Sillable) □ EPA Level III □ EPA Level IV Ace LAB # CLIENT FIELD ID Date To Address: Preservation Collection Mail To Address: Preservation (Sillable) B = Blota D = Studge W = Water S = St	Profile #
oject State: UI FILTERD? (YES/NO) V/N N N Invoice To Contact: Impled By (Print): Scott A, Hudason Preservation (CODE)* Preservation (CODE)* Preservation (CODE)* Invoice To Contact: Invoice To Company: Impled By (Sign): Just A. Hodason Preservation (CODE)* Preservation (CODE)* Invoice To Company: Invoice To Address: Invoice To Address: Invoice To Phone: Invoice To Phone: Invoice To Phone: Invoice To Phone: Invoice To Phone: Invoice To Phone: Invoice To Phone: Invoice To Phone: Invoice To Phone: Invoice LaB # CLIENT FIELD ID Invoice To Immediation DATE Immediation Immediation	Profile #
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Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed: Relinquished By: Beinquished By: Relinquished B	ect No. 1779
Date Needed: Relinquished By: Date/Time: Dat	
II #1: Date/Time: Received By: Date/Time: Received By: Date/Time:	<u>⊳</u> °°
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<u>Cooler Custo</u>	
Samples on HOLD are subject to By: Date/Time: Received By: Date/Time: Date/Ti	

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				Glas	S						Plast	ic					Vi	als				Jars		Ge	enera	1	-6mm)		at pH ≥9	2		tted	
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AGSU	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	H691	VG9M	VG9D	JGFU	WGFU	WPFU	SPST	ZPLC	GN	VOA Vials (>6mm)	H2SO4 pH ≤2	VaOH+Zn Act pH ≥9	aOH pH≥l2	HNO3 pH ≤2	H after adjusted	Volume (mL)
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AG1U 1 liter amber glassBP1U1 liter plastic unpresDG9A40 mL amber ascorbicJGFU4 oz amber jar unpresAG1H 1 liter amber glass HCLBP2N500 mL plastic HNO3DG9T40 mL amber Na ThioWGFU4 oz clear jar unpresAG4S125 mL amber glass H2SO4BP2Z500 mL plastic NaOH, ZnactVG9U40 mL clear vial unpresWFU4 oz plastic jar unpresAG4U120 mL amber glass unpresBP3U250 mL plastic unpresVG9H40 mL clear vial HCLWFU4 oz plastic Na ThiosulfateAG2S500 mL amber glass unpresBP3B250 mL plastic NaOHVG9M40 mL clear vial MeOHSP5T120 mL plastic Na ThiosulfateAG2S500 mL amber glass H2SO4BP3N250 mL plastic HNO3VG9D40 mL clear vial DIZPLCziploc bagBG3U250 mL clear glass unpresBP3S250 mL plastic H2SO4VG9D40 mL clear vial DIGN:																																	

1241 Bellevue Street, Green Bay, WI 54302 Sample Condition Client Technology Client Pace Other: Client Pace Other: Tracking #: Custody Seal on Cooler/Box Present: See Packing Material: Bubble Wrap I Bubble Bags Thermometer Used SR - See Alf Alfill Type of I Cooler Temperature Uncorr: Rol Icorr: Temp Blank Present: See Occ. Chain of Custody Present: Yes Occ. Chain of Custody Filled Out: Yes Occ.	Doc F-GB-(Don Upo Don Upo Don Upo Don Upo PS	Valtco	IS Pace Gr SCUR) OH: 0194379	ssuing Authority: reen Bay Quality Office 40194379 111111111111111111111111111111111111
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Custody Seal on Cooler/Box Present: yes ✓ no Se Custody Seal on Samples Present: yes ✓ no Se Cacking Material: □ Bubble Wrap □ Bubble Bags Chermometer Used SR - SNA 4/5//1 ype of I Cooler Temperature Uncorr: /Corr: ✓ Cemp Blank Present: □ yes ∩ Bit Cemp should be above freezing to 6°C. Bit Bit Bit Chain of Custody Present: □ ☑ ☑ Chain of Custody Filled Out: □ ☑ ☑ Chain of Custody Relinquished: ☑ ☑ ☑ Sampler Name & Signature on COC: ☑ ☑ ☑ Chain of Custody within Hold Time: ☑ ☑ ☑ - VOA Samples frozen upon receipt □ ☑ ☑ Short Hold Time Analysis (<72hr): ☑ ☑	eals intact ✓ Non ce: ₩e ological No □N/A No □N/A No □N/A No □N/A No	$[yes \ no \\ e \ Other \\ Blue Dry None \\ I \\ Issue is Frozen: \\ 1. \\ 2. \\ 0 \\ -5. \\ \end{bmatrix}$		Person examining contents
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Biota Samples may be received at ≤ 0°C. Chain of Custody Present: Image: Present image: Pr	No □N/A No □N/A No □N/A No	2. No pg # 3. 4. 5.	· · · · · · · · · · · · · · · · · · ·	
Chain of Custody Filled Out: Image: Second Seco	No □N/A No □N/A No □N/A No	2. No pg # 3. 4. 5.		2(5)(9 <i>)(</i> 4)
Chain of Custody Relinquished: Image: Chain of Custody Relinquished: Sampler Name & Signature on COC: Image: Chain of Custody Relinquished: Samples Arrived within Hold Time: Image: Chain of Custody Relinquished: - VOA Samples frozen upon receipt Image: Chain of Custody Relinquished: Short Hold Time Analysis (<72hr):	No	3. 4. 5.		215119 <i>91</i> 3
Sampler Name & Signature on COC: Yes Samples Arrived within Hold Time: ØYes - VOA Samples frozen upon receipt Yes Short Hold Time Analysis (<72hr):	No 🗆 N/A No	4. 5.		
amples Arrived within Hold Time: ǾYes □ - VOA Samples frozen upon receipt □Yes □ hort Hold Time Analysis (<72hr): ǾYes □	No	5.		
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	No			and the second second second second second second second second second second second second second second second
Rush Turn Around Time Requested:		6.		
	No	7.		
Sufficient Volume:		8.		· · ·
For Analysis: ØYes □No MS/MSD: □Yes Ø	No □n/A			
Correct Containers Used:	No	9.	-	-
-Pace Containers Used:	No □N/A			
-Pace IR Containers Used:				
Containers Intact:	No	10.	· · ·	
iltered volume received for Dissolved tests	No 🗹 N/A	11.		
Sample Labels match COC:	No □n/A	12.		
-Includes date/time/ID/Analysis Matrix: W				
rip Blank Present: □Yes □r		13.		******
rip Blank Custody Seals Present				
ace Trip Blank Lot # (if purchased):				
Comments/ Resolution:	Date/		ked, see attacl	hed form for additional comments