

July 3, 2023

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

- Attn: Mr. Brian Kreski (electronic) E: <u>Brian.Kreski@Appleton.org</u> Phone: (920) 832-2353 Mobile: (920) 419-0649
- Re: 2023 Second Quarter Compliance Monitoring Report, Industrial User (Wastewater Discharge) Permit #21-24
  N.W. Mauthe Superfund Site
  725 S. Outagamie Street
  Appleton, Wisconsin
  BRRTS ID # 02-45-000127
  Terracon Project No. 58117057

## Dear Brian:

Terracon Consultants, Inc. (Terracon) is pleased to submit this quarterly process compliance report for the N.W. Mauthe Superfund site, 725 South Outagamie Street, Appleton, Wisconsin. This report is submitted in conformance with the City of Appleton Industrial User Permit No. 21-24, issued on May 31, 2021. This report covers the period of April 1, 2023, through June 30, 2023, which included monthly effluent compliance monitoring sampling. The monthly results are summarized in the attached Table 1.

The flow monitoring and sampling activities were conducted monthly at the effluent discharge point, prior to Outfall 001. During this reporting period, local limit compliance monitoring samples were collected by the City of Appleton on March 9, 2023, and by Terracon on June 7, 2023, but results from the City sampling are not yet available. Historical results are presented in the attached Table 2.

As noted in the 2012 Fourth Quarter Process Compliance Report the system was replumbed in October 2012. Consequently, a greater volume of water is retained within the equalization tank and sampling occurs directly from the port on the equalization tank discharge pipe. Due to the improvement in the system plumbing, Terracon has collected the composite effluent sample directly from the tank effluent piping during the 2023 sampling events.

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Approximately 250 milliliters (mL) of the collected sample was transferred to a new, clean 250-mL plastic bottle provided by the laboratory. This unfiltered and unpreserved sample was submitted to Pace Analytical (Pace) laboratory (Green Bay, Wisconsin) for analysis of hexavalent chromium. An additional aliquot of the original sample was transferred to a clean, new 250-mL plastic bottle with nitric acid preservative provided by the laboratory. This unfiltered, preserved sample was submitted to Pace for analysis of total dissolved chromium. The laboratory analytic test reports and chain-of-custody record for each of the three monthly sampling rounds (April, May, and June 2023) are attached. After the laboratory samples were prepared, the pH of the remaining collected discharge sample was measured with an Oakton pHTestrs.

The attached table summarizes the total metered discharge readings, pH measurements, and laboratory test results. Monthly discharge totals were calculated by linear interpolation of the actual meter readings. Total discharge during the reporting period was 189,193 gallons with a mean daily flow of approximately 2,079 gallons per day. Based on the laboratory results, there were no exceedances during this reporting period from Outfall 001.

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

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

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

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Sincerely, Terracon Consultants, Inc.

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

Attachments: Table 1 Table 2 Laboratory Analytic Test Reports

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

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

			OUT	FALL 001				Ма	nhole	#1	M	anho	le #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 <sup>1</sup> (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)
09/25/07	40/04/07	8,290,363											
10/01/07	10/01/07	8,300,685 8,301,251	10,888										-
10/01/07		8,301,251	0		7.7								
10/15/07		8,324,675	23,424										
10/16/07		8,324,675	0		7.4	1.700			6.93	3.9		7.30	0.60
10/22/07		8,355,957	31,282										
10/23/07		8,355,957	0		7.5	1.500			7.04	3.75		NA	NA
10/29/07 10/30/07		8,370,413 8,370,413	14,456	October	7.4	1.900			NA	NA		NA	NA
10/30/07	11/01/07	8,370,413	0	71,891	7.4	1.900			INA	NA		INA	NA
11/05/07	11/01/01	8,377,912	7,499										
11/06/07		8,377,912	0	November	8.3	1.900	1.300		7.8	4.30		8.2	0.18
11/16/07		8,386,583	8,671	21,587									
	12/01/07	8,394,162											
12/03/07		8,395,372	8,789		0.0	0.400	0.500		0.1			0.0	
12/04/07 12/12/07		8,395,372 8,399,522	0 4,150	December	8.6	3.100	2.500		8.4	4.60		8.6	0.16
12/12/07		8,399,322	2,986	25,977									
12/2 1/07	01/01/08	8,420,139	2,000	20,011									
01/01/08	01/01/00	8,420,868	18,360										
01/02/08		8,420,868	0		8.7	1.300	1.200		8.4	4.50		8.7	0.62
01/02/08		8,421,628	760										
01/10/08		8,459,333	37,705										
01/15/08		8,479,244	19,911 17,819	January									
01/25/08	02/01/08	8,497,063 8,504,750	17,819	84,612									
02/01/08	02/01/00	8,505,562	8,499										
02/03/08		8,507,408	1,846	February									
02/04/08		8,507,408	0	22,861	8.9	1.700	1.600		8.7	2.60		8.8	0.70
	03/01/08	8,527,611											
03/02/08		8,528,931	21,523	March	9.0	2.9	2.500		8.7	3.60		8.8	2.50
03/31/08	04/04/00	8,653,211	124,280	128,713									
04/01/08	04/01/08	8,656,324 8,657,629	4,418		9.0	1.6	1.530		8.7	1.60		8.9	1.45
04/01/08		8,661,298	3,669		3.0	1.0	1.550		0.7	1.00		0.5	1.45
04/04/08		8,682,788	21,490										
04/07/08		8,697,084	14,296										
04/08/08		8,697,084	0		9.1	0.063			8.7	1.40		8.9	0.54
04/14/08		8,790,128	93,044			0.00			07			0.0	
04/15/08 04/15/08		8,790,128 8,797,710	0 7,582		9.1	0.36		Installed	8.7	0.90	Installed	8.8	0.17
04/15/08		8,797,710						1,074			2,804		
04/16/08		8,806,972	2,447		1			1,589			3,661		1
04/21/08		8,826,834	19,862					5,176			11,176		
04/22/08		8,826,834	0		9.1	0.87		5,649	8.8	0.95	12,292	8.9	0.55
04/28/08		8,860,276	33,442	April		0		13,291		- · ·	36,802		
04/29/08	05/01/08	8,860,276	0	212,193	9.1	0.51		14,721	8.8	0.96	40,534	9.1	0.43
05/05/08	05/01/08	8,868,517 8,890,994	30,718					22,372			59,203		
05/06/08		8,890,994	0		9.1	0.95	0.679	22,372	8.7	1.14	60,259	8.8	0.62
05/12/08		8,907,573	16,579					28,018			70,853		
05/13/08		8,907,573	0		9.2	0.69		28,487	8.8	1.00	71,555	9.0	0.34
05/19/08		8,920,045	12,472					32,756			79,328		
05/20/08		8,920,045	0		9.1	0.74		33,225	8.8	0.96	80,376	8.9	0.27
05/26/08		8,929,582	9,537	May	0.0	0.00		36,557		4.04	85,277		0.40
05/27/08	06/01/08	8,929,582 8,935,384	0	66,866	9.0	0.60		37,025	8.9	1.04	85,979	8.9	0.16
06/02/08	00/01/08	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	90,202	9.0	0.54
06/09/08	_	8,951,078	14,113					43,187			101,102		
06/10/08		8,951,078	0		9.2	0.85		44,118	9.0	1.53	106,505	9.0	0.38
06/11/08		8,960,258	9,180			ļ		45,176			112,396		ļ

			OUTI	FALL 001				Ма	nhole	#1	м	anho	le #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 <sup>1</sup> (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)
06/16/08		8,999,813	39,555					52,865			140,673		
06/16/08		8,999,813	0					52,865			141,398		
06/17/08		8,999,813	0		9.2	1.4		53,808	9.1	3.40	143,560	9.1	0.33
06/18/08		9,007,718	7,905					54,790			146,825		
06/23/08		9,016,923	9,205					57,605	~ 1	0.50	153,557		
06/24/08 06/30/08		9,016,923 9,026,850	9,927	June	9.3	0.20		58,074 61,392	9.1	2.50	154,613 160,227	9.0	0.14
06/30/08		9,026,850	9,927	91,466				61,392			160,227		
00/30/00	07/01/08	9,026,850	0	51,400				01,332			100,070		
07/01/08	.,,.,	9,026,850	0		9.3	1.4	1.290	61,861	9.0	2.45	161,266	9.1	0.58
07/07/08		9,035,952	9,102					64,701			166,481		
07/08/08		9,035,952	0		9.4	1.2		65,168	9.1	1.90	167,518	9.2	1.05
07/10/08		9,041,071	5,119					66,138			170,315		ļ]
07/14/08		9,054,932	13,861		<u> </u>			68,973			182,057		ļ
07/15/08		9,054,932	0		9.4	0.82		69,444	9.0	1.80	184,517	9.2	0.54
07/21/08		9,083,663	28,731		0.4	0.74		74,198	0.0	0.50	206,929 211,453	0.0	0.04
07/22/08 07/25/08		9,083,663 9,114,297	30,634		9.4	0.74		75,898 81,242	9.2	2.52	230,374	9.2	0.31
07/28/08		9,121,075	6,778					83,136			235,668		
07/29/08		9,121,075	0,770		7.4	0.70		83,609	7.2	3.30	237,073	7.2	0.30
07/29/08		9,123,409	2,334	July				83,646			237,455		
	08/01/08	9,127,730	· · · ·	100,880									
08/04/08		9,137,140	13,731					87,426			248,221		
08/05/08		9,137,140	0		7.6	1.30	1.260	87,426	7.2	2.72	250,342	7.2	0.41
08/05/08		9,141,581	4,441					87,938			252,120		
08/09/08		9,151,886	10,305					90,785			260,213		
08/11/08		9,154,723	2,837		7.5	1.0		91,732	7.0	0.45	262,298	7.0	0.05
08/12/08 08/13/08		9,154,723 9,157,388	0 2,665		7.5	1.2		92,206 92,710	7.2	2.45	263,337 264,058	7.3	0.25
08/18/08		9,157,388	5,316					92,710			264,038		
08/19/08		9,162,704	0		7.5	0.98		95,077	7.2	2.08	268,595	7.2	0.20
08/19/08		9,163,932	1,228					95,106			268,623		
08/21/08		9,166,109	2,177					96,049			270,020		
08/24/08		9,168,274	2,165					96,993			271,417		
08/26/08		9,168,274	0	August	7.5	1.1		97,465	7.1	2.25	272,112	7.1	0.22
	09/01/08	9,173,323		45,593									
09/01/08		9,173,586	5,312					99,390			274,587		
09/02/08		9,173,586	0		7.6	1.4	1.290	99,863	7.3	2.50	274,936	7.3	0.21
09/02/08		9,174,445 9,176,960	859 2,515					99,894 100,837			274,962 276,718		<u> </u>
09/08/08		9,176,960	2,315		7.5	1.3		100,837	7.2	2.25	276,718	7.3	0.16
09/15/08		9,182,218	5,258		1.5	1.0		101,310	2	2.23	279,911	1.0	0.10
09/16/08		9,182,218			7.6	1.3		103,731	7.3	2.60	280,611	7.6	0.37
09/18/08		9,185,245	3,027					104,715			281,689		
09/22/08		9,187,538	2,293					105,663			283,095		
09/23/08		9,187,538			7.5	1.6		106,137	7.3	3.05	283,475	7.5	0.17
09/28/08		9,191,553	4,015					107,560			285,589		
09/30/08	10/01/07	9,191,553	0	September	7.6	1.8		108,035	7.4	3.70	285,942	7.4	0.18
10/05/00	10/01/08	9,192,867	0.707	19,545				100 500			207 202		<u> </u>
10/05/08 10/07/08		9,195,280 9,195,280	3,727		7.7	2.2	2.000	109,500 109,975	7.4	4.38	287,383 288,093	7.8	0.12
10/07/08		9,195,280	1,241		1.1	2.2	2.000	1109,975	1.4	4.30	288,124	1.0	0.12
10/10/08		9,200,017	3,496		1			110,965			290,943		
10/12/08		9,200,017	0,400		1			111,919			291,644		1
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		1			116,279			297,676		

			ουτι	FALL 001				Ma	nhole	#1	N	lanho	le #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 <sup>1</sup> (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)
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 11/07/08		9,217,467 9,219,330	2,088 1,863					118,732 119,685			301,305 302,376		-
11/10/08		9,220,422	1,003					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	12/01/02	9,234,926 9,2 <i>34,9</i> 26	1,462	November				126,192			312,744		
12/02/08	12/01/08	9,234,926	0	19,988	8.2	2.3	2.190	127,656	7.8	3.57	314,118	8.3	0.18
12/02/08		9,242,670	7,744		0.2	2.5	2.130	130,122	7.0	5.57	316,912	0.0	0.10
12/17/08		9,247,587	4,917	December				131,563			320,808		
	01/01/09	9,266,230		31,304									
01/02/09		9,268,140	20,553					136,435			338,229		
01/06/09		9,268,140	0		7.8	2.5	2.430	137,894	7.7	4.48	341,351	7.8	1.05
01/12/09	02/01/09	9,277,419 9,287,182	9,279	January 20,952				139,384			344,897		
02/01/09	02/01/09	9,287,182	9,907	20,952				143,256			351,798		
02/03/09		9,287,326	0		7.8	3.3	2.900	143,738	7.9	4.69	352,143	8.2	0.34
02/05/09		9,288,848	1,522	February				143,772			352,912		
	03/01/09	9,334,332		47,151									
03/01/09		9,335,249	46,401					153,077			393,568		
03/03/09		9,335,249	0		7.6	2.4	1.970	153,561	7.9	4.24	394,973	8.2	0.87
03/11/09 03/30/09		9,355,734 9,463,572	20,485 107,838					156,519 182,357			412,282 500,471		
03/30/09		9,463,572	107,838	March				182,337			501,935		
00/01/00	04/01/09	9,467,680	0	133,348				100,020			001,000		
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 04/14/09		9,498,358 9,498,358	12,816		7.7	0.59		194,432 194,908	8.0	1.20	525,799 525,799	8.2	0.27
04/14/09		9,507,740	9,382		1.1	0.59		194,908	0.0	1.20	532,295	0.2	0.21
04/21/09		9,507,740	0		7.8	1.0		198,262	8.0	0.96	533,364	8.3	1.74
04/27/09		9,545,303	37,563					208,646			561,846		
04/28/09		9,545,303	0		8.0	1.2		210,663	7.7	1.89	566,157	7.5	0.28
	05/01/09	9,568,209		April	ļ							<u> </u>	
05/01/09		9,574,025		100,528				217,567			582,471		
05/04/09 05/05/09		9,582,624 9,582,624	8,599 0		7.6	0.76	0.724	220,929 221,884	8.0	1.29	588,270 589,714	8.0	0.33
05/05/09		9,582,624	16,547		7.0	0.70	0.724	227,884	0.0	1.29	599,566	0.0	0.33
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			7.4	0.79		233,874	7.0	0.84	610,378	7.2	0.38
05/19/09		9,615,798						233,908			610,421	<u> </u>	
05/19/09		9,616,122	324		<u> </u>			233,908			610,775	<u> </u>	<b> </b>
05/25/09 05/26/09		9,624,219 9,624,219			7.3	0.58		237,697 238,168	7.1	1.08	615,786 616,149	7.0	0.16
00/20/09	06/01/09	9,650,519	0	May	1.5	0.00		200,100	(.1	1.00	010,149	7.0	0.10
06/01/09	20,01,00	9,652,323	28,104	82,310	1			245,914			637,378	1	1
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						248,350			641,072		
06/15/09		9,701,735	43,631		ļ			261,249			674,466	<u> </u>	
07/04/07	07/01/09	9,727,520	00.045	June				070 000			004.041	<u> </u>	
07/01/09 07/05/09		9,727,975	1	77,001				272,082 273,967			691,914 694,431		<u> </u>
07/05/09		9,732,032	4,057		7.4	0.96	0.878	273,967 274,443	7.1	2.20	695,508	7.1	0.20
07/20/09		9,742,289				0.00	0.070	278,743	· · ·	2.20	700,527		0.20

For L           Date Actual         For L           Interpol         0           08/03/09         0           08/04/09         0           08/08/09         0           08/08/09         0           08/08/09         0           08/10/09         0           08/10/09         0           08/11/09         0           08/12/09         0           08/13/09         0           08/13/09         0           08/13/09         0           08/13/09         0           08/13/09         0           08/13/09         0           08/13/09         0           08/13/09         0           09/01/09         0           09/01/09         0           09/10/09         0           09/21/09         1           10/05/09         1           10/05/09         1           11/02/09         1           11/102/09         1           11/11/09         1           11/12/09         1           11/20/09         1           11/20/09         1	Date Linear polation 08/01/09 09/01/09 09/01/09 10/01/09 10/01/09 11/01/09	Metered Discharge Reading (gallons) 9,749,397 9,749,397 9,752,139 9,753,763 9,757,508 9,761,523 9,762,328 9,762,328 9,762,328 9,762,328 9,767,253 9,771,256 9,787,043 9,787,043 9,787,043 9,787,043 9,787,042 9,794,060 9,800,194 9,800,194 9,800,194 9,807,491 9,811,856 9,827,819 9,830,464 9,875,106 9,875,106	Gallons Discharged Between Meter Reading 7,108 0 2,742 1,624 3,745 4,064 756 3,523 1,402 4,003 14,481 1,615 6,708 6,134 0 7,297 4,365 0 0 15,963 2,645	Monthly Discharge (gallons) July 20,712 August 38,811 September 19,906	pH 7.5	Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] 1.9 1.9	Total Chromium Lab Analysis <sup>1</sup> (mg/L) [Local Limit 7.0 mg/L] 1.680 1.680	Flow Totalizer #1 Reading (gallons) 282,543 283,019 284,005 284,480 284,962 285,930 286,411 286,411 286,411 287,368 287,846 289,758 295,976 299,850 303,204 303,684	<b>pH</b>	Hexavalent Chromium Hach Test Kit (mg/L) 2.80	706,115 707,282 710,677 714,131 714,491 717,355 718,430 720,916 730,538 731,650 735,572 738,803	рН 7.3	Hexavalent Chromium Hach Test Kit (mg/L) 0.14
08/03/09           08/04/09           08/08/09           08/08/09           08/09/09           08/09/09           08/10/09           08/10/09           08/11/09           08/12/09           08/12/09           08/13/09           08/13/09           08/11/09           08/11/09           08/11/09           08/11/09           08/11/09           08/11/09           08/11/09           09/01/09           09/01/09           09/01/09           09/10/09           09/10/09           10/05/09           10/05/09           10/05/09           10/05/09           10/05/09           10/05/09           11/02/09           11/02/09           11/02/09           11/10/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09 <t< th=""><th>09/01/09</th><th>9,749,397 9,749,397 9,752,139 9,753,763 9,757,508 9,761,572 9,762,328 9,762,328 9,762,328 9,762,328 9,771,256 9,787,043 9,787,043 9,787,043 9,787,043 9,784,060 9,800,194 9,800,194 9,800,194 9,800,194 9,807,491 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106</th><th>0 2,742 1,624 3,745 4,064 756 3,523 1,402 4,003 14,481 1,615 6,708 6,134 0 7,297 4,365 0 15,963</th><th>20,712 August 38,811 September</th><th>7.6</th><th></th><th></th><th>283,019 284,005 284,480 284,962 285,930 286,411 287,368 289,758 295,976 </th><th></th><th></th><th>704,768 706,115 707,282 710,677 714,131 714,491 717,355 718,430 720,916 730,538 731,650 735,572 738,803</th><th></th><th></th></t<>	09/01/09	9,749,397 9,749,397 9,752,139 9,753,763 9,757,508 9,761,572 9,762,328 9,762,328 9,762,328 9,762,328 9,771,256 9,787,043 9,787,043 9,787,043 9,787,043 9,784,060 9,800,194 9,800,194 9,800,194 9,800,194 9,807,491 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	0 2,742 1,624 3,745 4,064 756 3,523 1,402 4,003 14,481 1,615 6,708 6,134 0 7,297 4,365 0 15,963	20,712 August 38,811 September	7.6			283,019 284,005 284,480 284,962 285,930 286,411 287,368 289,758 295,976 			704,768 706,115 707,282 710,677 714,131 714,491 717,355 718,430 720,916 730,538 731,650 735,572 738,803		
08/04/09           08/08/09           08/08/09           08/08/09           08/10/09           08/10/09           08/12/09           08/12/09           08/12/09           08/12/09           08/12/09           08/12/09           08/12/09           08/12/09           08/12/09           08/12/09           08/12/09           09/01/09           09/01/09           09/10/09           09/21/09           09/21/09           10/05/09           10/06/09           10/15/09           10/15/09           11/02/09           11/02/09           11/02/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/20/09           11/20/09           11/20/09           11/20/09	10/01/09	9,749,397 9,752,139 9,753,763 9,757,508 9,761,572 9,762,328 9,765,851 9,767,253 9,771,256 9,787,043 9,787,352 9,787,043 9,787,352 9,794,060 9,800,194 9,800,194 9,800,194 9,800,194 9,807,491 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	0 2,742 1,624 3,745 4,064 756 3,523 1,402 4,003 14,481 1,615 6,708 6,134 0 7,297 4,365 0 15,963	August 38,811 September	7.6			283,019 284,005 284,480 284,962 285,930 286,411 287,368 289,758 295,976 			704,768 706,115 707,282 710,677 714,131 714,491 717,355 718,430 720,916 730,538 731,650 735,572 738,803		
08/08/09           08/08/09           08/09/09           08/10/09           08/10/09           08/12/09           08/13/09           08/13/09           08/13/09           08/13/09           08/13/09           08/13/09           08/13/09           08/13/09           08/13/09           08/12/09           09/01/09           09/01/09           09/21/09           09/21/09           10/05/09           10/05/09           10/15/09           10/05/09           11/02/09           11/02/09           11/02/09           11/02/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/20/09           11/20/09           11/20/09           11/2/09	10/01/09	9,752,139 9,753,763 9,757,508 9,761,572 9,762,328 9,767,253 9,771,256 9,787,043 9,787,043 9,787,352 9,794,060 9,800,194 9,800,194 9,800,194 9,800,194 9,807,491 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	2,742 1,624 3,745 4,064 756 3,523 1,402 4,003 14,481 1,615 6,708 6,134 0 7,297 4,365 0 15,963	38,811 September	7.6			284,005 284,480 284,962 285,930 286,411 287,368 289,758 295,976 			706,115 707,282 710,677 714,131 714,491 717,355 718,430 720,916 730,538 731,650 735,572 738,803		
08/08/09           08/09/09           08/10/09           08/10/09           08/12/09           08/13/09           08/13/09           08/13/09           08/13/09           08/13/09           08/13/09           08/13/09           08/13/09           08/13/09           09/11/09           09/11/09           09/21/09           09/22/09           1           10/05/09           10/05/09           10/05/09           10/05/09           10/05/09           11/02/09           11/02/09           11/02/09           11/02/09           11/02/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/20/09           11/20/09           11/20/09           11/20/09           12/01/09	10/01/09	9,753,763 9,757,508 9,761,572 9,762,328 9,767,253 9,767,253 9,771,256 9,785,737 9,787,043 9,787,043 9,787,052 9,794,060 9,800,194 9,800,194 9,800,194 9,800,194 9,807,491 9,811,856 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	1,624 3,745 4,064 756 3,523 1,402 4,003 14,481 1,615 6,708 6,134 0 7,297 4,365 0 15,963	38,811 September		1.6	1.320	284,480 284,962 285,930 286,411 287,368 287,846 289,758 295,976 296,492 299,850 303,204	7.1	2.85	707,282 710,677 714,131 714,491 717,355 718,430 720,916 730,538 731,650 735,572 738,803	7.4	0.53
08/09/09           08/10/09           08/10/09           08/12/09           08/13/09           08/17/09           08/17/09           08/17/09           08/17/09           08/17/09           08/17/09           08/17/09           09/01/09           09/10/09           09/21/09           09/22/09           10/15/09           10/05/09           10/18/09           11/02/09           11/02/09           11/03/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/20/09           11/20/09           11/20/09	10/01/09	9,757,508 9,761,572 9,762,328 9,767,253 9,771,256 9,785,737 9,787,043 9,787,043 9,787,352 9,794,060 9,800,194 9,800,194 9,800,194 9,807,491 9,811,856 9,811,856 9,811,856 9,830,464 9,871,202 9,875,106	3,745 4,064 756 3,523 1,402 4,003 14,481 1,615 6,708 6,134 0 7,297 4,365 0 15,963	38,811 September		1.6	1.320	284,962 285,930 286,411 287,368 289,758 295,976 295,976 296,492 299,850 303,204	7.1	2.85	710,677 714,131 714,491 717,355 718,430 720,916 730,538 731,650 735,572 738,803	7.4	0.53
08/10/09           08/10/09           08/12/09           08/13/09           08/17/09           08/17/09           09/01/09           09/21/09           09/21/09           09/21/09           09/21/09           10/109           10/05/09           10/15/09           10/15/09           11/02/09           11/03/09           11/03/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/20/09           11/20/09	10/01/09	9,761,572 9,762,328 9,767,253 9,767,253 9,771,256 9,785,737 9,787,043 9,787,043 9,787,043 9,787,043 9,787,043 9,787,043 9,870,194 9,800,194 9,800,194 9,800,194 9,800,194 9,807,491 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	4,064 756 3,523 1,402 4,003 14,481 1,615 6,708 6,134 0 7,297 4,365 0 15,963	38,811 September		1.6	1.320	285,930 286,411 287,368 287,846 289,758 295,976 296,492 299,850 303,204	7.1	2.85	714,131 714,491 717,355 718,430 720,916 730,538 731,650 735,572 738,803	7.4	0.53
08/10/09           08/12/09           08/12/09           08/13/09           08/30/09           09/01/09           09/01/09           09/21/09           09/22/09           10/05/09           10/05/09           10/15/09           10/15/09           11/02/09           11/02/09           11/04/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/20/09           11/20/09	10/01/09	9,762,328 9,765,851 9,767,253 9,771,256 9,787,043 9,787,043 9,787,043 9,787,043 9,787,043 9,787,043 9,800,194 9,800,194 9,800,194 9,807,491 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	756 3,523 1,402 4,003 14,481 1,615 6,708 6,134 0 7,297 4,365 0 15,963	38,811 September		1.6	1.320	286,411 287,368 287,846 289,758 295,976 296,492 299,850 303,204	7.1	2.85	714,491 717,355 718,430 720,916 730,538 731,650 735,572 738,803	7.4	0.53
08/13/09           08/13/09           08/30/09           00           09/01/09           09/10/09           09/10/09           09/10/09           09/10/09           09/10/09           09/10/09           09/10/09           09/10/09           09/10/09           10/05/09           10/05/09           10/15/09           11/02/09           11/02/09           11/05/09           11/05/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/20/09           11/20/09	10/01/09	9,767,253 9,771,256 9,785,737 9,787,043 9,787,043 9,794,060 9,800,194 9,800,194 9,800,194 9,807,491 9,807,491 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	1,402 4,003 14,481 1,615 6,708 6,134 0 7,297 4,365 0 15,963	38,811 September		1.6	1.320	287,846 289,758 295,976 296,492 299,850 303,204	7.1	2.85	718,430 720,916 730,538 731,650 735,572 738,803	7.4	0.53
08/17/09           08/30/09           09/01/09           09/10/09           09/21/09           09/22/09           10/05/09           10/05/09           10/05/09           10/05/09           10/15/09           10/15/09           11/02/09           11/02/09           11/03/09           11/05/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/20/09           11/20/09           11/20/09	10/01/09	9,771,256 9,785,737 9,787,043 9,787,352 9,794,060 9,800,194 9,800,194 9,800,194 9,807,491 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	4,003 14,481 1,615 6,708 6,134 0 7,297 4,365 0 15,963	38,811 September		1.6	1.320	289,758 295,976 296,492 299,850 303,204	7.1	2.85	720,916 730,538 731,650 735,572 738,803	7.4	0.53
08/30/09           09/01/09           09/10/09           09/21/09           09/22/09           10/05/09           10/05/09           10/15/09           10/18/09           11/02/09           11/03/09           11/02/09           11/02/09           11/02/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/20/09           11/20/09           11/20/09           11/20/09	10/01/09	9,785,737 9,787,043 9,787,352 9,794,060 9,800,194 9,800,194 9,806,949 9,807,491 9,811,856 9,811,856 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	14,481 1,615 6,708 6,134 0 7,297 4,365 0 15,963	38,811 September		1.6	1.320	295,976 296,492 299,850 303,204	7.1	2.85	730,538 731,650 735,572 738,803	7.4	0.53
0           09/01/09           09/21/09           09/22/09           10/109           10/05/09           10/15/09           10/15/09           10/18/09           11/02/09           11/03/09           11/03/09           11/02/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/20/09           11/20/09           11/20/09	10/01/09	9,787,043 9,787,352 9,794,060 9,800,194 9,800,194 9,806,949 9,807,491 9,811,856 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	1,615 6,708 6,134 0 7,297 4,365 0 15,963	38,811 September		1.6	1.320	296,492 299,850 303,204	7.1	2.85	731,650 735,572 738,803	7.4	0.53
09/01/09           09/10/09           09/22/09           09/22/09           10/01/09           10/05/09           10/05/09           10/15/09           10/15/09           11/02/09           11/02/09           11/02/09           11/04/09           11/02/09           11/102/09           11/102/09           11/12/09           11/12/09           11/17/09           11/20/09           11/30/09           12/01/09	10/01/09	9,787,352 9,794,060 9,800,194 9,806,949 9,807,491 9,807,491 9,811,856 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	6,708 6,134 0 7,297 4,365 0 15,963	38,811 September		1.6	1.320	299,850 303,204	7.1	2.85	735,572 738,803	7.4	0.53
09/10/09           09/21/09           09/22/09           10/05/09           10/05/09           10/06/09           10/15/09           10/15/09           11/02/09           11/02/09           11/02/09           11/02/09           11/02/09           11/102/09           11/102/09           11/11/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/20/09           11/20/09		9,794,060 9,800,194 9,800,194 9,806,949 9,807,491 9,811,856 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	6,708 6,134 0 7,297 4,365 0 15,963	September			1.320	299,850 303,204	7.1	2.65	735,572 738,803	7.4	0.53
09/21/09 09/22/09 10/05/09 10/05/09 10/06/09 10/15/09 10/15/09 11/02/09 11/02/09 11/02/09 11/02/09 11/05/09 11/12/09 11/12/09 11/12/09 11/12/09 11/20/09 11/20/09 11/20/09		9,800,194 9,800,194 9,806,949 9,807,491 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	6,134 0 7,297 4,365 0 15,963		6.9			303,204			738,803		<u>├</u> ────
09/22/09           10/05/09           10/05/09           10/06/09           10/15/09           10/15/09           11/02/09           11/02/09           11/02/09           11/05/09           11/02/09           11/02/09           11/05/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/12/09           11/20/09           11/20/09           11/20/09		9,800,194 9,806,949 9,807,491 9,811,856 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	0 7,297 4,365 0 15,963		6.9								1
10/01/09 10/05/09 10/15/09 10/15/09 10/18/09 11/18/09 11/02/09 11/03/09 11/03/09 11/05/09 11/12/09 11/17/09 11/17/09 11/17/09 11/12/09 11/20/09 11/20/09		9,807,491 9,811,856 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	4,365 0 15,963		6.9						739,163		
10/05/09 10/06/09 10/15/09 10/18/09 11/02/09 11/03/09 11/03/09 11/04/09 11/05/09 11/12/09 11/12/09 11/12/09 11/17/09 11/17/09 11/130/09 12/01/09	11/01/09	9,811,856 9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	4,365 0 15,963	19,906	6.9								
10/06/09 10/15/09 10/18/09 11/02/09 11/03/09 11/04/09 11/04/09 11/12/09 11/12/09 11/12/09 11/12/09 11/12/09 11/20/09 11/20/09 12/01/09	11/01/09	9,811,856 9,827,819 9,830,464 9,871,202 9,875,106	0 15,963		6.9			306,569			743,395		
10/15/09 10/18/09 11/02/09 11/02/09 11/04/09 11/05/09 11/15/09 11/12/09 11/12/09 11/12/09 11/12/09 11/20/09 11/20/09 11/20/09	11/01/09	9,827,819 9,830,464 9,871,202 9,875,106			6.9			308,500	-		746,224		
10/18/09 11/02/09 11/03/09 11/04/09 11/05/09 11/12/09 11/12/09 11/12/09 11/12/09 11/20/09 11/30/09 12/01/09	11/01/09	9,830,464 9,871,202 9,875,106				1.8	1.700	308,983	6.8	2.48		7.1	0.55
11/02/09 11/03/09 11/04/09 11/05/09 11/05/09 11/12/09 11/12/09 11/12/09 11/12/09 11/20/09 11/20/09 11/20/09 11/20/09	11/01/09	9,871,202 9,875,106	2,645					314,838			757,329	-	
11/02/09 11/03/09 11/04/09 11/05/09 11/17/09 11/12/09 11/12/09 11/17/09 11/17/09 11/20/09 11/30/09 12/01/09	11/01/09	9,875,106		October			-	316,288			758,757		┨─────┦
11/03/09 11/04/09 11/05/09 11/11/09 11/12/09 11/16/09 11/17/09 11/20/09 11/20/09 11/30/09 12/01/09			44,642	64,253				329,981			793,417		
11/04/09 11/05/09 11/11/09 11/12/09 11/16/09 11/17/09 11/27/09 11/20/09 11/20/09 12/01/09		9.875.106	0	04,200	7.4	1.2	1.150	330,961	7.0	2.60	795,595	7.2	0.46
11/11/09 11/12/09 11/16/09 11/17/09 11/20/09 11/20/09 11/20/09 12/01/09		9,880,551	5,445					331,974			797,084		
11/12/09 11/16/09 11/17/09 11/20/09 11/30/09 11/30/09 12/01/09		9,882,809	2,258					332,950			798,526		
11/16/09 11/17/09 11/20/09 11/30/09 12/01/09		9,891,712	8,903					337,309			803,889		
11/17/09 11/20/09 11/30/09 12/01/09		9,893,927	2,215					338,274			805,324		
11/20/09 11/30/09 12/01/09		9,896,880	2,953					339,720			807,132		
11/30/09 12/01/09		9,897,695	815					340,200	-		807,495	-	
12/01/09		9,899,892 9,914,595	2,197 14,703				-	341,164 346,476			808,946 819,664		┨─────┦
12/01/09	12/01/09	9,914,595	14,703	November				340,470			019,004		
12/15/09	12/01/00	9,914,595	0	43,393	7.6	1.7	1.500	347,446	7.3	2.25	820,740	7.8	0.67
, . 0, 00		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 01/18/10		9,969,979 9,972,503	9,909 2,524					365,847 366,807			860,488 862,304		┨─────┦
01/31/10		9,972,503						300,807			862,304		
	02/01/10	9,991,034	.0,001	January				2,0,004			2. 0,00L		
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						371,664			881,364		
02/16/10		10,002,996						374,543			887,937		ļ
02/28/10	00/5	10,009,542	6,546					376,928			892,655		
	03/01/10	10,009,542		February	7.0	1.0	1 2 4 0	270.000	7 4	0.70	000 700	7 4	
03/02/10 03/06/10		10,009,542 10,015,341	0 5,799	18,508	7.6	1.6	1.340	376,928 377,919	7.4	2.70	893,732 898,085	7.4	1.41
03/08/10		10,015,341			<u> </u>			383,764			927,938		<u> </u>
03/17/10		10,045,891	17,275					388,140			942,069		1
03/23/10		10,077,601	11,710					392,478			950,481		1
03/31/10		10,088,487	10,886					396,786			958,091		
	04/01/10	10,088,725		March									
04/01/10		10,088,817	330	79,183				396,786			958,456		
04/04/10		10,092,465						398,207			961,014		
04/06/10 04/19/10		10,092,465	0 58,701		7.4	1.3	1.180	399,166 416,846	7.2	2.00	962,110 1,005,028	7.2	0.20

			OUTI	FALL 001				Ма	nhole	#1	M	anho	le #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 <sup>1</sup> (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)
	05/01/10	10,189,439		April									
05/03/10		10,196,869	45,703	100,715				432,284			1,038,553		
05/04/10 05/17/10		10,196,869 10,258,463	0 61,594		7.3	0.98	0.902	433,730 453,256	7.1	1.12	1,040,370 1,083,344	7.2	0.37
06/01/10		10,256,465	36,047					455,256			1,083,344		
00/01/10	06/01/10	10,294,510	00,011	Мау				100,100			1,100,100		
06/01/10		10,294,510	0	105,071	7.6	0.85	0.762	467,117	7.2	1.44	1,110,569	7.3	0.28
06/21/10		10,372,589	78,079					488,138			1,171,628		
06/30/10		10,400,340	27,751					495,720			1,193,925		
06/30/10	07/04/40	10,400,889	549					496,193			1,194,286		
07/01/10	07/01/10	10,401,954 10,402,536	1,647	June 107,444				496,664			1,195,375		
07/05/10		10,402,536	6,895	107,444				490,004			1,195,375		
07/06/10		10,409,431	0,000		7.3	1.1	0.988	499,963	7.3	1.92	1,200,038	7.5	0.41
07/12/10		10,426,614	17,183					504,247			1,213,873		
07/21/10		10,506,902	80,288					525,545			1,275,358		
07/22/10		10,515,567	8,665					527,488			1,282,668		
07/23/10	00/01/10	10,532,459	16,892	1				531,679			1,283,332		
08/02/10	08/01/10	10,586,662 10,594,781	62,322	July 184,709				549,129			1,283,332		-
08/03/10		10,594,781	02,322	184,709	7.8	0.54	0.515	549,601	7.4	1.20	1,283,332	7.5	0.20
08/04/10		10,599,046	4,265			0.01	0.010	550,588			1,283,332	1.0	0.20
08/04/10		10,599,046	0					550,588			1,283,358		
08/04/10		10,599,046	0					550,588			1,283,358		
08/05/10		10,600,937	1,891					551,531			1,284,413		
08/06/10		10,602,372	1,435					552,002			1,285,481		
08/07/10 08/12/10		10,604,242 10,621,705	1,870 17,463					552,943 558,442			1,286,560 1,299,650		
08/12/10		10,644,322	22,617					565,095			1,299,030		
	09/01/10	10,664,511	1-	August							,- ,		
09/06/10		10,672,363	28,041	77,849				575,879			1,336,978		
09/07/10		10,672,363	0		7.7	0.64	0.588	575,879	7.2	1.28	1,337,698	7.4	0.19
09/09/10		10,675,017	2,654					576,846			1,338,823		
09/09/10 09/15/10		10,675,348 10,681,923	331 6,575					576,846 579,656			1,339,184 1,343,454		
09/20/10		10,688,747	6,824					582,004			1,348,431		
09/28/10		10,712,898	24,151					588,142			1,368,075		
09/28/10		10,713,225	327					588,142			1,368,432		
	10/01/10	10,717,803		September									
10/01/10		10,718,374	5,149	53,291				590,497			1,371,651		
10/03/10		10,721,339	2,965		7.0	0.00	0.700	591,909	7.0	4.00	1,373,451	7.5	0.40
10/05/10 10/15/10		10,721,339	0 11.747		7.6	0.80	0.763	592,849 597.097	7.3	1.32	1,374,902 1,380,767	7.5	0.10
10/13/10		10,734,957	1,871				1	598,030			1,381,848		1
10/31/10		10,760,102	25,145					605,549			1,401,547		
	11/01/10	10,760,102		October									
11/02/10		10,760,102	0	42,299	7.8	0.65	0.639	606,486	7.6	1.44	1,403,369	7.9	0.20
11/11/10 11/14/10		10,773,294	13,192					611,203			1,410,005		1
11/14/10		10,775,484 10,778,424	2,190 2,940					612,137 613,539			1,411,471 1,413,301		-
11/17/10		10,778,424	2,940		<u>†</u>			618,231			1,413,301		
0.10	12/01/10	10,794,632	,_50	November				,			,,		1
12/04/10		10,800,013	9,296	34,530				622,006			1,428,648		
12/07/10		10,800,013	0		7.6	1.0	0.989	623,423	7.8	1.80		7.9	0.24
12/15/10		10,811,058	11,045		L			627,228			1,435,313		
12/20/10		10,814,659	3,601					628,621			1,437,887		+
12/23/10	01/01/11	10,816,825	2,166	December				629,558			1,439,358		<u> </u>
01/02/11	01/01/11	10,827,569 10,829,348	12,523	32,938				632,850			1,449,967		
01/02/11		10,829,348	0	02,000	8.0	1.6	1.500	633,803	7.9	5.31	1,449,907	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		

			OUTI	FALL 001				Ма	nhole	#1	м	anho	e #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 <sup>1</sup> (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)
	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	1,582					641,426			1,469,273		
02/14/11 02/21/11		10,859,963 10,876,100	5,064 16,137					643,318 646,167			1,472,988 1,488,233		
02/21/11		10,876,705	605					646,167			1,488,978		
02/21/11		10,880,277	3,572					647,105			1,400,978		
02/27/11		10,883,601	3,324					648,128			1,494,713		
02/21/11	03/01/11	10,883,601	0,021	February				010,120			1,101,110		
03/01/11		10,883,601	0	30,284	7.8	1.8	1.530	648,594	7.7	4.95	1,496,572	7.8	0.52
03/21/11		10,957,602	74,001	,				664,834			1,558,957		
	04/01/11	11,023,291		March									
04/04/11		11,045,838	88,236	139,690				687,442			1,632,177		
04/05/11		11,045,838	0		8.0	0.40	0.380	688,903	7.8	1.10	1,637,351	7.7	0.21
04/16/11		11,138,592	92,754					710,138			1,708,997		
04/26/11		11,216,566	77,974					731,830			1,771,918		
04/29/11		11,258,391	41,825					743,289			1,804,105		
04/29/11		11,262,451	4,060					744,757			1,807,043		
	05/02/11	11,274,169		April									
05/02/11		11,277,586	15,135	250,878		0.07	0.000	750,559			1,818,009	= 0	
05/03/11 05/16/11		11,277,586	0		7.8	0.37	0.338	751,514 763,336	7.6	0.68		7.8	0.20
05/16/11		11,310,055 11,311,520	32,469 1,465					763,807			1,841,085 1,842,263		
05/17/11	06/01/11	11,344,383	1,405	May				703,807			1,042,203		
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	10,214				781,832			1,872,152		
06/07/11		11,354,057	0,000		7.7	0.46	0.447	782,305	7.6	0.85	1,872,545	7.7	0.14
06/17/11		11,368,867	14,810				-	788,961			1,881,915		
06/20/11		11,373,134	4,267					790,860			1,884,626		
	07/01/11	11,419,112		June									
07/04/11		11,434,679	61,545	74,729				811,146			1,932,424		
07/05/11		11,434,679	0		7.9	0.78	0.752	811,621	7.6	1.50	1,933,199	7.5	0.19
07/18/11		11,450,616	15,937					818,915			1,942,544		
07/27/11		11,470,412	19,796					825,753			1,958,375		
07/28/11		11,473,213	2,801					826,666			1,960,688		
/ // /	08/01/11	11,483,192		July									
08/01/11		11,484,004	10,791	64,080	7.0	0.00	0.000	830,795	7.5	4.00	1,968,801	75	0.40
08/02/11 08/04/11		11,484,004	0 470		7.9	0.86	0.800	831,711 834,025	7.5	1.26		7.5	0.42
08/04/11		11,492,474 11,493,370	8,470 896		-			834,025			1,975,014 1,975,820		
08/15/11		11,509,618	16,248					841,800			1,975,620		
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						852,322			2,003,014		
09/06/11		11,533,935			8.0	1.2	1.180	852,778	7.7	1.65		7.7	0.55
09/08/11		11,538,054						854,174			2,005,726		
09/19/11		11,547,336						859,158		ļ	2,011,134		
09/20/11		11,548,416	1					859,611			2,011,902		
09/28/11	10/01/11	11,562,993	14,577	0				863,696			2,024,247		
10/02/64	10/01/11	11,568,104	0.440	September				007.044			2 024 422		
10/03/11 10/04/11		11,572,412		43,925				867,344 868,253			2,031,123 2,032,650		
10/04/11		11,574,566 11,574,566						868,253			2,032,650		
10/05/11		11,574,566						869,161			2,033,029		
10/08/11		11,579,097						870,519			2,035,765		
10/10/11		11,579,097	.,001		7.5	1.2	1.090	870,972	7.4	2.15		7.5	0.22
10/26/11		11,603,315	24,218					879,056			2,054,141		
10/30/11		11,606,358	1					880,416			2,055,759		

			OUT	FALL 001				Ма	nhole	#1	M	anho	e #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 <sup>1</sup> (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)
	11/01/11	11,607,509		October			Pounds Cr						
11/01/11		11,608,102	1,744	39,405			0.358	881,323			2,055,759		
11/02/11		11,608,233	131					881,362			2,055,792		
11/03/11		11,608,233	0		8.2	1.3	1.220	881,378	8.1	2.46	2,055,818	8.0	0.03
11/05/11		11,611,395	3,162					882,340			2,059,467		
11/06/11 11/07/11		11,614,756 11,616,924	3,361 2,168					883,608 883,718			2,062,594 2,063,343		
11/08/11		11,618,636	1,712					884,345			2,005,043		
11/12/11		11,651,616	32,980					890,384			2,094,235		
11/15/11		11,662,529	10,913					894,135			2,102,462		
11/23/11		11,677,899	15,370					900,936			2,112,833		
11/29/11		11,687,640	9,741				Pounds Cr	905,028			2,119,690		
	12/01/11	11,689,609		November			0.834						
12/01/11		11,687,640	0	82,100	7.4	1.7	1.700	905,938	7.8	2.65	2,119,690	8.0	0.72
12/06/11		11,706,691	19,051					910,893			2,134,888		
12/15/11		11,724,224	17,533					918,198			2,147,141		
12/26/11		11,737,368	13,144					924,102			2,155,863		
12/31/11	01/01/12	11,742,107 11,742,204	4,739	December			Pounds Cr	926,371			2,158,911		
01/04/12	01/01/12	11,744,667	2,560	52,595			0.745	927,731			2,158,911		
01/05/12		11,744,667	2,000	52,555	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		0.0	0.00	0.002	932,303			2,166,977	1.0	0.21
01/27/12		11,758,987	4,368					934,572			2,169,652		
01/31/12		11,761,124	2,137				Pounds Cr	935,480			2,171,180		
	02/01/12	11,761,228		January			0.137						
02/02/12		11,761,124	0	19,024	7.4	2.1	1.860	936,191	7.7	2.50	2,172,687	7.7	6.1
02/07/12		11,763,586	2,358					938,043		2.80	2,176,546		1.71
02/22/12		11,778,355	14,769					941,736			2,183,827		
02/24/12		11,780,157	16,571				Davida Or	942,642			2,184,964		
02/28/12	03/01/12	11,782,379 11,783,379	18,793	February			Pounds Cr 0.329	943,547			2,186,478		
03/01/12	03/01/12	11,782,379	0	21,255	7.1	2.6	2.560	944,002	7.3	3.45	2,186,478	7.6	2.04
03/14/12		11,824,851	41,472	21,200	7.1	2.0	2.000	956,400	7.0	0.40	2,221,364	1.0	2.04
03/21/12		11,839,925	15,074					962,783			2,231,770		
03/25/12		11,848,965	9,040					965,591			2,239,149		
	04/01/12	11,865,023		March			Pounds Cr						
04/03/12		11,871,806	22,841	81,644			1.740	973,817			2,256,557		
04/05/12		11,871,806	6,783		7.6	0.83	0.730	975,189	7.9	1.28	2,258,866	7.8	0.48
04/18/12		11,896,899	25,093					984,322			2,273,887		
04/21/12		11,906,449	9,550					986,147			2,282,902		
05/00/40	05/01/12	11,923,538	04.400	April			Pounds Cr	000 40 4	ļ		0.000.050		
05/02/12 05/03/12		11,930,935 11,933,848	24,486 2,913	58,515			0.356	996,194 997,107			2,300,258 2,302,572		
05/03/12		11,933,848	2,913					1,010,822			2,302,572		
05/14/12		12,005,061	15,097					1,016,338			2,343,373		
05/16/12		12,005,061	0		6.5	0.67	0.581	1,018,169	7.4	0.63	2,363,951	7.6	0.15
05/20/12		12,016,709	11,648					1,021,100			2,368,989		
05/22/12		12,018,570	1,861					1,022,007			2,370,141		
05/24/12		12,021,249	2,679					1,023,245			2,372,066		
05/31/12		12,028,808	7,559					1,027,317			2,378,556		
	06/01/12	12,029,342		May			Pounds Cr						
06/02/12		12,030,994	2,186	105,804			0.512	1,027,317			2,378,556		
06/05/12 06/07/12		12,033,617	2,623 0		6.8	0.55	0.507	1,028,676	7 4	0.99	2,380,101	77	0.47
06/07/12		12,033,617	13,234		0.0	0.00	0.307	1,029,581 1,034,134	7.4	0.99	2,381,259 2,389,253	7.7	0.17
06/29/12		12,046,851	9,896					1,034,134		<u> </u>	2,389,253		
00/20/12	07/01/12	12,057,998	0,000	June			Pounds Cr	.,000,000			2,000,000		
07/03/12		12,059,332	1,334	28,656			0.121	1,040,009			2,397,210		
07/05/12		12,059,332	0		6.1	0.98	0.906	1,040,913	6.2	1.24	2,397,969	6.6	0.19
07/10/12		12,064,003	4,671					1,042,739			2,402,552		
07/20/12		12,069,263	5,260					1,045,446			2,402,552		

			ουτι	FALL 001				Ма	nhole	#1	N	lanho	le #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 <sup>1</sup> (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)
	08/01/12	12,078,083		July			Pounds Cr						
08/01/12		12,078,359	9,096	20,085			0.152	1,049,510			2,408,561		
08/02/12		12,078,359	0		6.2	1.20	1.120	1,049,969	6.2	1.72	2,408,954	6.0	0.56
08/07/12		12,082,510						1,051,808			2,410,869		
08/16/12	00/04/40	12,098,108	15,598					1,056,800			2,423,447		<b></b>
09/01/12	09/01/12	12,111,167 12,111,772	10.004	August			Pounds Cr 0.309	1,063,135			0.400.000		
09/01/12		12,111,772	13,664 4,839	33,084			0.309	1,065,875			2,432,088 2,434,745		<u> </u>
09/09/12		12,110,011	1,172			1.70	1.520	1,065,875	6.4	0.72	2,434,745	6.3	0.21
09/18/12		12,121,226	3,443			1.10	1.020	1,068,577	0.1	0.12	2,437,061	0.0	0.21
09/26/12		12,125,024	3,798					1,070,837			2,438,957		
	10/01/12	12, 126, 164		September			Pounds Cr						
10/04/12		12,127,304	2,280	14,997			0.190	1,072,193			2,440,091		
10/04/12		12,127,304	1,140			1.50	1.370	1,072,193	6.4	1.44		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		<b></b>
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		<b></b>
11/20/10	11/01/12	12,191,094	7.440	October			Pounds Cr	1 000 0 10			0 400 054		
11/06/12		12,196,769		64,930	NA	1.1	0.741	1,096,343	NA	1.34	2,493,654	NA	0.21
11/09/12 11/22/12		12,198,437 12,212,741	1,668 14,304		NA	1.1	1.040	1,097,450	INA	1.34	2,494,750 2,504,679	NA	0.21
11/30/12		12,212,741	5,270					1,105,179			2,504,079		-
11/00/12	12/01/12	12,218,663	0,210	November			Pounds Cr	1,100,100			2,007,000		+
12/03/12	12/01/12	12,219,752	1,089	27,569			0.239	1,107,006			2,508,689		1
12/10/12		12,223,289	3,537	/	8.0	1.00	1.100	1,109,121	7.7	1.60		8.0	0.27
12/26/12		12,234,632	11,343					1,114,683			2,517,462		
12/31/12		12,239,248	4,616					1,117,237			2,520,012		
	01/01/13	12,239,543		December			Pounds Cr						
01/01/13		12,239,958	710	20,880			0.191	1,117,663			2,520,377		
01/10/13		12,246,590	6,632			1.90	1.720	1,120,640	7.7	1.68		8.0	1.32
01/24/13		12,278,928	32,338					1,130,141			2,550,847		<u> </u>
01/28/13		12,282,035	3,107					1,131,414			2,553,042		
01/31/13	02/01/13	12,287,892 12,288,247	5,857	lanuaru			Pounds Cr	1,132,425			2,558,715		
02/01/13	02/01/13	12,289,018	1,126	January 48,644			0.697	1,132,680			2,559,456		+
02/07/13		12,293,874	4,856	40,044	7.9	0.82	0.663	1,132,300	7.6	1.35		8.0	0.22
02/20/13		12,308,445	14,571		7.0	0.02	0.000	1,038,672	1.0	1.00	2,575,057	0.0	0.22
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		7.8	0.27
03/18/13		12,361,201						1,151,536			2,619,703		<u> </u>
03/20/13		12,365,136						1,153,250			2,622,317		<b> </b>
03/27/13		12,378,442						1,159,233			2,630,884		───
03/31/13	04/04/42	12,400,821	22,379	Moreh			Pounds Cr	1,164,838			2,649,804		+
04/01/13	04/01/13	12,403,728 12,407,465	3,737	March 89,563			0.562	1,165,570			2,655,346		<u> </u>
04/01/13		12,407,465		03,303	7.4	0.42	0.362	1,180,148	7.0	0.60		7.4	0.14
04/17/13		12,401,497				0.72	0101	1,196,092	7.0	0.00	2,749,790		0.14
0.,11,10	05/01/13	12,570,545	50,041	April			Pounds Cr	.,			_,5,, 50		1
05/01/13				166,817		1	0.599			1	İ	i	1
05/01/13		12,571,333	49,195		8.1	0.56	0.553	1,215,096	7.3	0.38	2,785,968	7.8	0.09
05/19/13		12,623,298	51,965					1,235,753			2,823,953		
	06/01/13	12,647,282		May			Pounds Cr						
L				76,737			0.353						Ļ
06/06/13		12,657,605			7.6	0.96	0.826	1,251,551	7.4	0.47		7.8	0.73
06/12/13		12,669,485	11,880					1,256,351			2,857,966		<b> </b>
06/17/13	07/04/15	12,680,642	11,157				David C	1,259,722			2,867,078		───
┟────┤	07/01/13	12,727,950		June			Pounds Cr						+
07/18/13		12,767,116	86,474	80,668	7.4	0.73	0.555 0.694	1,286,165	6.7	0.73	2,938,280	7.5	0.07
07/18/13		12,767,116			7.4	0.13	0.054	1,286,165	0.7	0.73	2,938,280	1.5	0.07

			OUT	FALL 001				Ма	nhole	#1	N	anho	le #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 <sup>1</sup> (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)
	08/01/13	12,781,814		July			Pounds Cr						
				53,864			0.311						
08/04/13		12,784,628	3,752					1,293,015			2,947,351		
08/07/13		12,786,184	1,556					1,295,588			2,951,110		
08/08/13		12,786,555	371		7.5	0.83	0.775	1,296,442	6.8	0.68	2,951,801	7.2	0.16
08/19/13		12,795,058	8,503					1,298,966			2,954,811		
08/21/13		12,795,638	580					1,300,287			2,956,243		
08/26/13		12,797,295	1,657					1,301,154			2,957,147		
08/28/13	00/04/40	12,800,434	3,139	A			Davida On	1,302,541			2,958,987		-
00/01/12	09/01/13	12,803,511	0.010	August			Pounds Cr	1 202 500			2.001.205		
09/01/13 09/05/13		12,803,511 12,808,096	6,216 4,585	21,697		ł	0.140	1,303,580 1,305,282			2,961,265 2,964,435		+
09/05/13		12,808,096	4,585 8,372					1,305,282			2,964,435		+
09/09/13		12,811,883	7,070					1,309,139			2,968,968		+
09/14/13		12,818,151	6,268					1,310,005			2,970,501		1
09/18/13		12,822,283	7,117		7.3	1.3	1.170	1,311,729	7.1	0.99	2,973,533	7.3	0.19
09/30/13		12,833,637	11,354					1,317,815			2,980,475		
	10/01/13	12,834,025		September			Pounds Cr						
10/01/13		12,834,025	388	30,514			0.297	1,318,244			2,980,475		
10/08/13		12,843,796	9,771					1,321,693			2,988,064		
10/16/13		12,852,554	8,758					1,325,559			2,994,143		
10/18/13		12,855,027	2,473		7.7	1.20	1.120	1,326,419	7.5	1.04	2,996,041	7.8	0.14
	11/01/13	12,867,815		October		-	Pounds Cr						<b></b>
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		7.0	1.00	0.920	1,335,488	8.1	0.66	3,012,422	7.9	0.11
11/13/13 11/20/13		12,903,367 12,924,566	26,526 21,199		7.8	1.00	0.920	1,345,039 1,350,740	8.1	0.00	3,033,152 3,051,316	7.9	0.11
11/20/13	12/01/13	12,924,300	21,199	November		1	Pounds Cr	1,330,740			3,031,310		+
12/02/13	12/01/13	12,944,252	19,686	73,156			0.560	1,360,688			3,063,995		-
12/10/13		12,954,971	10,719	,	7.6	1.4	1.320	1,365,411	7.4	2.70	3,071,689	7.1	0.07
12/12/13		12,957,411	2,440					1,366,744			3,073,244		
12/23/13		12,965,941	8,530					1,371,029			3,078,956		
12/31/13		12,970,459	4,518					1,373,592			3,081,611		
	01/01/14	12,970,599		December			Pounds Cr						
01/01/14		12,970,772	313	29,628			0.326	1,373,592			3,081,991		
01/15/14		12,976,884	6,112		7.5	1.2	1.050	1,376,582	7.1	2.20	3,086,176	7.6	0.11
01/31/14		12,983,061	6,177					1,379,605			3,090,406		
	02/01/14	12,983,265		January			Pounds Cr						
02/02/14		12,983,747	686	12,666		1.0	0.111	1,380,032	0.4	0.00	3,090,789	0.0	0.40
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	03/01/14	12,993,603 12,993,783	6,448	February			Pounds Cr						+
03/01/14	03/01/14	12,993,783	306	10,518			0.141				1		+
03/01/14		13,005,882	11,973	10,010	7.6	0.38	0.141	1,385,639	7.7	5.80	3,112,477	8.0	0.30
03/31/14		13,059,539				0.00	0.104	.,000,000		0.00	3,112,477	5.5	0.00
	04/01/14	13,059,979	20,001	March			Pounds Cr				1	1	1
04/01/14		13,061,650	2,111	66,196			0.239	1,399,014			3,165,447		1
04/12/14		13,091,485	29,835					1,411,117			3,187,701		1
04/13/14		13,099,571	8,086					1,412,822			3,195,631		
04/15/14		13,135,912	36,341					1,424,711			3,224,028		
04/18/14		13,165,955	30,043					1,434,115			3,247,300		
04/22/14		13,210,016	44,061		7.6	0.44	0.377	1,440,204	7.4	0.72	3,258,396	7.5	0.31
	05/01/14	13,211,258		April			Pounds Cr						<b> </b>
05/01/14		13,211,345		151,279		0.77	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		7.4	0.20
05/14/14		13,280,912	13,256					1,475,015			3,337,773		
05/15/14		13,286,754	5,842					1,476,780			3,342,511		<b></b>
05/20/14		13,304,068	17,314		l			1,483,692			3,355,729		1

			OUT	FALL 001				Ма	nhole	#1	M	anho	e #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 <sup>1</sup> (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)
	06/01/14	13,332,599		May			Pounds Cr						
06/02/14		13,336,115	32,047	121,341			0.276	1,495,755			3,382,176		
06/12/14		13,372,027	35,912		7.9	0.40	0.381	1,508,756	7.6	0.60	3,410,073	7.8	0.20
06/14/14		13,374,936	2,909					1,510,080			3,412,070		
06/17/14 06/19/14		13,379,348	4,412					1,512,220			3,415,268		
06/20/14		13,394,274 13,401,646	14,926 7,372					1,514,826 1,517,014			3,429,626 3,436,003		
06/30/14		13,444,046	42,400					1,531,745			3,430,003		
00/00/14	07/01/14	13,445,046	42,400	June			Pounds Cr	1,532,601			3,472,302		
07/01/14		13,446,138	2,092	112,447			0.357	1 1			-, ,		
07/02/14		13,449,088	2,950					1,533,460			3,475,127		
07/09/14		13,463,816	14,728		7.7	0.68	0.689	1,539,906	7.4	1.0	3,486,800	7.4	1.0
07/14/14		13,472,104	8,288					1,543,805			3,492,830		
07/28/14		13,480,642	8,538	July	<u> </u>		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			0.004	0.70	1,552,341	7.5	4.40	3,502,760	77	0.00
08/13/14 08/17/14		13,495,032 13,502,593	13,195 7,561		7.9	0.681	0.72	1,557,877 1,560,483	7.5	1.16	3,511,069 3,517,406	7.7	0.92
08/17/14		13,502,593	6,853					1,560,483			3,517,406		
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				0.540	1,582,918	7.0	4.40	3,564,025	7.0	0.00
09/17/14 09/24/14		13,579,703 13,593,114	16,994 13,411	September	7.9	0.60	0.546 Pounds Cr	1,589,348 1,595,011	7.6	1.16	3,577,644 3,577,644	7.3	0.36
09/24/14	10/01/14	13,602,541	13,411	58,542			0.27	1,600,155			3,577,644		
10/01/14	10/01/14	13,603,009	9,895	30,342			0.27	1,600,155			3,577,644		
10/16/14		13,633,400	30,391		7.3	0.67	0.596	1,610,440	7.8	1.28	3,619,044	7.4	0.36
10/28/14		13,658,462	25,062	October			Pounds Cr	1,621,724			3,636,660		
	11/01/14	13,662,568		60,027			0.298						
11/01/14		13,663,621	5,159					1,624,238			3,640,194		
11/12/14		13,672,756	9,135		8.1	1.1	0.980	1,629,780	7.6	1.62	3,648,121	8.1	1.08
11/30/14		13,695,977	23,221					1,640,533			3,663,353		
	12/01/14	13,696,416		November			Pounds Cr						
12/01/14		13,697,118	1,141	37,515			0.306	1,640,533			3,663,353		
12/04/14 12/08/14		13,701,386 13,705,980	4,268 4,594					1,643,108 1,645,245			3,666,947 3,670,118		
12/08/14		13,705,980			8.1	1.5	1.320	1,646,957	7.7	2.72	3,672,490	85	0.35
12/31/14		13,768,265	58,779		5.1			1,666,522		2.12	3,720,581	5.0	0.00
	01/01/15	13,769,665		December			Pounds Cr						
01/01/15		13,770,654	2,389	73,249			0.805	1,667,388			3,722,195		
01/12/15		13,785,790	15,136		8.2	0.65	0.597	1,674,271	7.8	1.36	3,733,018	7.3	0.20
01/31/15		13,798,407	12,617					1,679,866			3,742,191		
	02/01/15	13,798,602		January	ļ		Pounds Cr						
02/01/15		13,798,727	320	28,937	0.4	0.74	0.144	1,679,866	70	4.40	3,742,588	74	0.47
02/04/15		13,800,127	1,400		8.1	0.74	0.721	1,680,719	7.9	1.48	3,743,379	7.1	0.17
02/16/15 02/20/15		13,804,943 13,805,957	4,816 1,014					1,682,892 1,683,320			3,746,962 3,747,752		
02/20/15		13,805,957	1,014					1,683,745			3,748,542		
02/24/15		13,808,369	1,395					1,684,600			3,749,334		
	03/01/15	13,808,507	,	February	i	1	Pounds Cr			-			
03/01/15		13,808,690	321	9,905	L		0.059	1,684,600	L		3,749,728		
03/18/15		13,815,075	6,385		8.2	0.80	0.713	1,687,150	7.2	1.00	3,757,618	8.0	0.34
03/23/15		13,815,928	853					1,688,046			3,759,604		
03/25/15		13,816,332	404		L			1,688,901			3,759,889		
03/26/15		13,816,697	365					1,689,329			3,760,382		

			OUTI	FALL 001				Ма	nhole	#1	N	lanho	le #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 <sup>1</sup> (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)
	04/01/15	13,822,714		March			Pounds Cr						
04/07/15		13,823,071	6,374	14,207			0.084	1,694,467			3,765,931		
04/15/15		13,856,854	33,783		7.4	0.92	0.858	1,704,938	7.7	1.92	3,792,943	7.0	0.25
04/30/15		13,885,187	28,333					1,718,370			3,812,262		
	05/01/15	13,885,585		April			Pounds Cr						
05/04/15		13,889,467	4,280 8,581	62,871	0.0	0.60	0.449 0.554	1,720,520	7.8	0.92	3,815,063	8.1	0.37
05/13/15 05/18/15		13,898,048 13,905,897	7,849		8.0	0.60	0.554	1,724,812 1,727,444	7.8	0.92	3,820,667 3,827,133	8.1	0.37
05/18/15		13,905,897	3,468					1,727,444			3,830,304		+
05/23/15		13,909,305	5,599					1,728,740			3,830,304		-
05/25/15		13,920,921	5,957					1,733,052			3,839,818		-
05/28/15		13,937,530	16,609					1,736,965			3,854,997		1
	06/01/15	13,958,452		May			Pounds Cr	.,,					-
06/02/15		13,967,174	29,644	72,867			0.336	1,746,201			3,878,793		1
06/03/15		13,970,819	3,645					1,747,948			3,881,197		
06/10/15		13,986,712	15,893		7.4	0.60	0.547	1,755,299	7.1	0.66	3,892,044	7.2	0.27
06/16/15		14,018,102	31,390					1,765,062			3,917,649		
06/19/15		14,042,191	24,089					1,772,128			3,937,351		
06/28/15		14,066,780	24,589					1,781,741			3,956,167		
06/30/15		14,069,200	2,420					1,783,061			3,957,962		
	07/01/15	14,069,642		June			Pounds Cr						
07/01/15		14,069,914	714	111,190		0.07	0.506	1,783,061	7.0	0.00	3,957,962	75	0.00
07/08/15		14,077,301 14,085,720	7,387		7.7	0.37	0.351	1,787,623 1,790,678	7.2	0.68		7.5	0.23
07/14/15		14,085,720	8,419 28,309					1,790,678			3,970,192 3,993,110		+
01/29/13	08/01/15	14,115,454	20,309	July			Pounds Cr	1,004,030			3,993,110		-
08/05/15	00/01/10	14,117,883	3,854	45,812			0.134	1,807,395			3,995,776		-
08/12/15		14,131,529	13,646	,		0.41	0.371	1,812,749	7.2	0.51		7.1	0.19
08/17/15		14,137,372	5,843					1,816,582			4,010,201		
08/18/15		14,138,406	1,034					1,817,349			4,011,060		
08/27/15		14,145,800	7,394					1,822,802			4,016,771		
	09/01/15	14,151,425		August			Pounds Cr						
09/04/15		14,155,393	9,593	35,971			0.111	1,828,088			4,025,183		
09/09/15		14,175,870	20,477		7.6	0.23	0.208	1,833,613	7.2	0.72	4,041,266	7.0	0.14
09/18/15		14,191,902	16,032					1,843,839			4,055,798		
09/28/15		14,211,188	19,286					1,852,031			4,069,063		
09/29/15	10/04/45	14,211,559	371	0				1,852,459			4,069,894		
10/04/45	10/01/15	14,212,577	1,222	September 61,152			Pounds Cr 0.106	1 050 700			4.074.005		+
10/01/15 10/07/15		14,212,781 14,220,473	7,692	01,132		0.72	0.661	1,853,738 1,856,721	7.2	1.26	4,071,365 4,071,365	7.3	0.16
10/07/15		14,220,473	6,144			0.12	0.001	1,859,329	1.2	1.20	4,071,365	1.3	0.10
10/13/13		14,233,700	7,083					1,863,168			4,082,924		1
10/27/15		14,241,197						1,865,726			4,088,517		1
	11/01/15	14,260,606	,	October			Pounds Cr						1
11/02/15		14,266,255	25,058	48,029			0.264	1,872,203			4,108,562		1
11/12/15		14,288,543	22,288		7.7	0.73	0.700	1,882,551	7.3	1.20	4,122,107	7.6	0.26
11/30/15		14,334,387	45,844					1,898,090			4,155,815		
	12/01/15	14,336,677		November			Pounds Cr						<u> </u>
12/01/15		14,339,197	4,810	76,072			0.443	1,899,821			4,159,227		<b></b>
12/10/15		14,364,604	25,407		7.9	0.69	0.627	1,910,218	7.4	0.66		7.3	0.30
12/21/15		14,458,622	94,018	<u> </u>				1,937,179			4,246,823		<b></b>
04/04/45	01/01/16	14,487,544	00.055	December			Pounds Cr	4.040.005			1007.005		┫─────
01/01/16		14,488,585	29,963	150,867	70	0.00	0.788	1,949,306	7 4	0.07	4,267,333	7.0	0.40
01/07/16	02/01/16	14,499,288 14,532,622	10,703	January	7.9	0.62	0.572 Pounds Cr	1,954,033	7.4	0.87	4,274,451	7.6	0.40
02/01/16	02/01/10	14,532,622	33,850	45,078			0.215	1,971,254			4,316,580		+
02/01/16		14,553,156	28,874	-0,070	8.1	0.87	0.215	1,971,234	7.6	0.61		8.1	0.70
02/10/10		14,601,368	39,356		0.1	0.07	0.000	1,973,902	1.0	0.01	4,359,110	5.1	0.70

			OUT	FALL 001				Ма	nhole	#1	N	lanho	le #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 <sup>1</sup> (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)
	03/01/16	14,602,713		February			Pounds Cr		-	,	, <u> </u>	-	
03/01/16		14,603,747	2,379	70,091			0.501	1,983,300			4,361,401		
03/10/16		14,625,282	21,535		7.9	0.63	0.609	1,988,471	7.3	1.44	4,380,928	7.4	0.37
03/31/16		14,728,685	103,403					2,017,845			4,463,804		
	04/01/16	14,733,540		March			Pounds Cr						
04/02/16		14,751,888	23,203	130,827			0.663	2,023,638			4,482,114		
04/06/16	05/04/40	14,770,034	18,146	A	7.8	0.38	0.244	2,029,748	7.2	0.53	4,495,836	7.2	0.24
05/03/16	05/01/16	14,827,634 14,834,742	64,708	April 94,094			Pounds Cr 0.191	2,057,059			4,539,976		
05/12/16		14,834,742	19,070	54,054	7.6	0.70	0.645	2,057,059	7.2	0.47	4,539,976	7.1	0.69
05/17/16		14,856,181	9,477		7.0	0.70	0.045	2,067,406	1.2	0.+7	4,553,472	7.1	0.00
	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		0.50	0.309	2,113,474	7.0	0.07	4,646,051	7.4	0.00
07/07/16		14,998,455	15,241 38,063		7.4	0.50	0.430	2,119,487	7.0	0.87	4,656,766	7.1	0.20
07/31/16	08/01/16	15,036,518 15,036,760	38,063	July			Pounds Cr	2,138,364			4,681,191		
08/01/16	08/01/10	15,037,244	726	55,849			0.200	2,138,788			4,682,282		
08/11/16		15,047,013	9,769	00,040	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	10/04/40	15,161,513	44,399	0				2,190,037			4,766,164		
10/01/16	10/01/16	15,162,610 15,162,976	1,463	September 81,895			Pounds Cr 0.242	2 100 800			4,766,917		
10/01/16		15,162,976	7,304	01,095	7.5	0.76	0.242	2,190,896 2,194,329	7.1	1.17	4,766,917	7.2	0.24
10/00/10	11/01/16	15,218,316	1,004	October	1.0	0.10	Pounds Cr	2,104,020			4,771,417	1.2	0.2
11/01/16	11/01/10	15,218,916	48,636	55,706			0.328	2,214,974			4,803,706		
11/09/16		15,231,072	12,156		7.7	0.58	0.550	2,221,415	7.3	1.02	4,810,434	7.2	0.17
11/30/16		15,257,768	26,696					2,231,705			4,829,512		
	12/01/16	15,259,593		November			Pounds Cr						
12/01/16		15,262,085	4,317	41,277			0.189	2,233,005			4,832,948		
12/08/16		15,278,159	16,074	<u> </u>	7.7	0.90	0.832	2,240,348	7.4	1.41	4,843,138	7.3	0.26
01/05/17	01/01/17	15,320,273	50.044	December			Pounds Cr						
01/05/17 01/05/17		15,328,203 15,328,203	50,044	60,680		1.00	0.420	2,259,750	7.5	1.44	4,878,940	7.4	0.47
01/31/17		15,387,622	59,419			1.00	0.000	2,239,730	7.5	1.44	4,933,594		0.47
	02/01/17	15,387,845	00,110	January			Pounds Cr	_,2, 2, 100			.,200,004	1	
02/01/17		15,388,387	765	67,572			0.504	2,272,625			4,933,971		
02/09/17		15,399,455	11,068		7.8	0.56	0.542	2,277,351	7.5	0.99	4,941,836	7.1	0.13
┫━━━━━━Ҭ	03/01/17	15,452,749		February			Pounds Cr						
03/08/17		15,476,369	76,914	64,904	<u> </u>		0.305						-
03/08/17		15,476,369	0		7.8	0.59	0.539	2,302,121	7.3	1.14	5,002,178	7.3	0.26
03/14/17		15,497,125	20,756					2,309,539			5,016,906	<u> </u>	
03/25/17 03/29/17		15,528,765 15,542,291	31,640 13,526					2,321,231 2,325,638			5,039,669 5,049,699	-	
00/20/11	04/01/17	15,558,808	10,020	March			Pounds Cr	2,020,000			0,040,000		
04/02/17		15,562,275	19,984	106,059			0.476	2,333,037			5,064,049	1	İ
04/06/17		15,582,526	20,251		7.7	0.43	0.405	2,340,089	7.3	0.57	5,064,049	7.3	0.27
04/27/17		15,676,954	94,428					2,372,953			5,146,405		
	05/01/17	15,703,639		April			Pounds Cr						
05/04/17		15,728,166	51,212	144,831			0.488						
05/04/17		15,728,166	0		7.6	0.28	0.257	2,387,552	7.1	0.36	5,185,807	6.8	0.21
06/08/17	06/01/17	15,796,047	00.070	May			Pounds Cr						
00/06/17		15,812,038	83,872	92,408	7.5	0.35	0.198	2,421,837	7.1	0.36	5,243,312	1	0.16

			OUTI	FALL 001				Ма	nhole	#1	M	anho	le #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 <sup>1</sup> (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)
	07/01/17	15,888,740		June			Pounds Cr						
07/01/17		15,891,390	79,352	92,693			0.251						
07/06/17		15,902,647	11,257		7.5	0.57	0.525	2,453,044	7.1	0.69	5,309,639	7.0	0.50
07/31/17		15,945,154	42,507					2,472,011			5,337,122		
08/01/17	08/01/17	15,945,504	700	July 56,764			Pounds Cr 0.248	0.470.400			5 227 402		
08/01/17		15,945,880 15,958,437	726 12,557	50,704	7.4	0.68	0.624	2,472,438 2,478,016	7.0	0.66	5,337,492 5,347,291	6.9	0.38
08/09/17	09/01/17	15,992,489	12,557	August	7.4	0.00	Pounds Cr	2,470,010	7.0	0.00	5,547,291	0.9	0.36
09/07/17	03/01/17	16,001,926	43,489	46,985			0.244	2,472,438			5,337,492		
09/07/17		16,001,926	0	,	7.4	0.50	0.488	2,497,770	7.1	0.68	5,375,524	6.9	0.14
09/29/17		16,031,780	29,854					2,510,609			5,395,101		
	10/01/17	16,034,956		September			Pounds Cr						
10/03/17		16,035,404	3,624	42,467			0.173	2,512,318			5,397,338		
10/05/17		16,037,996	2,592		7.5	0.44	0.410	2,513,176	7.1	1.14	5,399,232	6.7	0.12
	11/01/17	16,080,246		October			Pounds Cr						
11/07/17		16,090,463	52,467	45,290			0.155	2,536,891			5,436,850	7.0	
11/09/17		16,092,667	2,204		7.6	0.76	0.718	2,538,180	7.2	0.99	5,437,985	7.2	0.22
11/15/17 11/30/17		16,098,379 16,109,689	5,712					2,541,643 2,549,030			5,441,055		
11/30/17	12/01/17	16,110,147	11,310	November			Pounds Cr	2,549,030			5,450,173		
12/03/17	12/01/17	16,112,117	2,428	29,901			0.179	2.550.308			5,451,687		
12/03/17		16,115,265	3,148	23,501	7.4	0.82	0.755	2,551,590	7.4	1.29	5,453,973	7.4	0.20
12/14/17		16,121,000	5,735			0.02	0.100	2,551,590			5,453,973		0.20
12/31/17		16,131,936	10,936					2,560,147			5,464,203		
	01/01/18	16,132,116		December			Pounds Cr						
01/01/18		16,132,328	392	21,969			0.138	2,560,571			5,464,203		
01/04/18		16,133,697	1,369			0.78	0.734	2,560,993		0.41	5,465,331		0.04
	02/01/18	16,144,665		January			Pounds Cr						
02/01/18		16,144,863	11,166	12,549			0.077	2,566,068		4.00	5,472,876		0.10
02/08/18		16,147,315	2,452		7.8	0.75	0.906	2,567,326	7.4	1.68	5,474,376	7.2	0.16
02/28/18	03/01/18	16,155,889 16,156,053	8,574	February			Pounds Cr	2,570,306			5,481,207		
03/01/18	03/01/18	16,156,211	322	11,388			0.086	2,570,306			5,481,586		
03/08/18		16,163,746	7,535	11,000	7.7	0.52	0.526	2,574,570	7.4	0.78	5,485,747	7.2	0.20
03/27/18		16,183,153	19,407			0.02	0.020	2,585,717		0110	5,495,623		0.20
03/31/18		16,188,615	5,462					2,472,869*			5,499,048		
	04/01/18	16,189,199		March			Pounds Cr						
04/01/18		16,190,057	1,442	33,146			0.145	2,473,316			5,500,204		
04/05/18		16,195,349	5,292		7.7	0.60	0.585	2,476,332	7.3	0.84	5,502,874	7.4	0.35
04/10/18		16,203,721	8,372				ļ	2,480,242			5,508,217		ļ
04/25/18		16,302,239	98,518					2,508,161			5,586,326		
04/30/18	05/01/18	16,328,835 16.330.212	26,596	April			Pounds Cr	2,516,938	<u> </u>		5,606,361		<u> </u>
05/01/18	05/01/18	16,330,212	2,209	141,013			0.687	2,517,809			5,607,864		1
05/04/18		16,360,268	2,209	141,015			0.007	2,517,809			5,630,632		<u> </u>
05/10/18		16,409,694	49,426		7.6	0.30	0.315	2,520,303	7.2	0.51	5,667,843	6.8	0.19
05/22/18		16,428,757	19,063		-			2,547,991			5,681,939		
05/24/18		16,455,003	26,246					2,557,801			5,698,300		
05/29/18		16,462,967	7,964					2,562,178			5,702,537		
	06/01/18	16,466,594		Мау			Pounds Cr	ļ					ļ
06/01/18		16,467,299	4,332	136,382			0.358	2,563,476	L		5,705,975	<u> </u>	ļ
06/05/18		16,476,100	8,801		7.0	0.00	0.000	2,566,515		0.50	5,712,597	7.0	0.01
06/07/18		16,480,044	3,944		7.6	0.38	0.382	2,568,258	7.1	0.53	5,715,101	7.3	0.21
06/30/18	07/01/18	16,537,167 16,537,690	57,123	June			Pounds Cr	2,588,614			5,756,117		
07/01/18	07701718	16,538,238	1,071	71,096			0.226	2,589,032			5,756,879		1
07/05/18		16,542,427	4,189	,000	7.6	0.31	0.311	2,589,032	7.2	0.57	5,759,920	7.1	0.16
07/12/18		16,545,145				2.01		2,594,639		0.01	5,763,368		0.10
07/19/18		16,553,309	8,164			1		2,597,639	<u> </u>	1	5,766,777		
07/31/18		16,571,725	18,416					2,604,452			5,779,752		

	c			FALL 001				Ма	nhole	#1	M	lanho	le #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 <sup>1</sup> (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)	рН	Hexavalent Chromium Hach Test Kit (mg/L)
Date Actual	08/01/18	16,571,996	neuung	July	рп	4.0 mg/2j	Pounds Cr	(guilons)	pii	rat (ing/L)	(guilons)	pii	(
08/01/18	00/01/10	16,572,495	770	34,306		ł	0.089	2,589,032			5,756,879		
08/08/18		16,581,462	8,967	34,300		0.43	0.438	2,608,818	7.1	0.55	5,785,813	7.0	0.27
08/31/18		16,637,913	56,451			0.43	0.430	2,600,810	7.1	0.55	5,828,591	7.0	0.27
00/01/10	09/01/18	16,640,165	00,401	August			Pounds Cr	2,020,040			0,020,001		
09/01/18	00/01/10	16,641,711	3,798	68,169			0.125	2,631,151			5,831,336		
09/06/18		16,695,169	53,458	,	7.5	0.24	0.256	2,646,502	7.1	0.59	5,871,311	6.7	0.08
09/17/18		16,734,724	39,555			-		2,659,921			5,899,762	-	
09/18/18		16,738,499	3,775					2,660,806			5,903,277		
09/30/18		16,775,825	37,326					2,672,955			5,932,062		
	10/01/18	16,776,168		September			Pounds Cr						
10/01/18		16,776,700	875	136,003			0.290	2,673,387			5,932,454		
10/03/18		16,785,853	9,153		7.8	0.30	0.303	2,675,556	7.3	0.60	5,940,463	7.1	0.22
10/25/18		16,899,216	113,363					2,709,668			6,027,153		
	11/01/18	16,908,245		October			Pounds Cr						
11/01/18		16,908,712	9,496	132,077			0.333	2,713,560			6,033,788		
11/07/18		16,921,099	12,387		7.7	0.38	0.424	2,717,458	7.1	0.36	6,044,211	6.8	0.34
11/12/18		16,936,140	15,041					2,723,181			6,054,634		
11/14/18		16,940,487	4,347					2,725,362			6,057,406		
11/16/18		16,944,318	3,831					2,727,099			6,059,771		
11/19/18		16,949,417	5,099					2,729,266			6,063,298		
	12/01/18	16,964,903		November		-	Pounds Cr						
12/06/18		16,972,133	22,716	56,658		0.50	0.200	2,738,784	7.4	0.50	6,080,566	7.0	0.45
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	0.45
01/04/10	01/01/19	17,020,007	48,943	December 55,104			Pounds Cr 0.239	0.757.400			0.110.100		
01/04/19 01/10/19		17,021,076 17,051,054	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	0.18
01/10/19	02/01/19	17,085,876	29,970	January	7.0	0.20	Pounds Cr	2,705,905	1.2	0.41	0,140,244	7.0	0.10
02/01/19	02/01/19	17,086,762	35,708	65,869		1	0.135	2,779,438			6,166,376		
02/07/19		17,092,183	5,421	00,000	8.0	0.36	0.398	2,781,163	7.5	0.37	6,170,668	7.3	0.35
02/01/10	03/01/19	17,108,085	0,421	February	0.0	0.00	Pounds Cr	2,701,100	1.0	0.07	0,110,000	1.0	0.00
03/01/19	00/01/10	17,108,314	16,131	22.209			0.074	2,786,817			6,183,118		
03/07/19		17,112,149	3,835	,	7.9	0.29	0.296	2,788,121	7.4		6,186,219	7.4	
03/26/19		17,201,867	89,718					2,810,744			6,261,318		
	04/01/19	17,220,303		March			Pounds Cr	11			-, - ,		
04/02/19		17,221,255	19,388	112,218			0.277	2,818,615			6,274,417		
04/02/19		17,221,255	0		7.7	0.40	0.408	2,818,615	7.2	0.53	6,274,417	7.2	0.15
04/18/19		17,270,735	49,480					2,834,848			6,312,336		
04/30/19		17,336,326	65,591					2,855,668			6,362,011		
	05/01/19	17,338,042		April			Pounds Cr						
05/01/19		17,340,509	4,183	117,739			0.400	2,856,981			6,365,212		
05/09/19		17,366,641	26,132		7.8	0.43	0.441	2,866,635	7.2	0.39	6,383,940	7.2	0.66
	06/01/19	17,467,893		May			Pounds Cr						
06/06/19		17,492,562	125,921	129,851			0.477	2,856,981			6,365,212		
06/06/19		17,492,562	0		7.6	0.23	0.249	2,908,632	7.2	0.32	6,478,871	7.0	0.22
06/11/19		17,502,105	9,543					2,912,952			6,486,321		
06/18/19	07/01/19	17,525,532 17,581,030	23,427	June			Pounds Cr	2,920,258			6,503,730		
07/08/19	07/01/19	· · · ·	00 204	113,137		ł	0.235	2,947,437			6,572,415		1
07/08/19		17,613,923 17,619,393	88,391 5,470	113,137	7.6	0.25	0.235	2,947,437	7.1	0.48		7.0	0.12
07/10/19		17,619,393	17,235		7.0	0.20	0.223	2,949,581	1.1	0.40	6,590,064	7.0	0.12
07/23/19		17,644,137	7,509					2,958,908			6,596,369		
07/26/19		17,655,780	11,643					2,950,908			6,602,890		
07/31/19		17,662,536	6,756			1		2,965,324			6,606,751		1

			OUTI	FALL 001				Ма	nhole	#1	N	lanho	le #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 <sup>1</sup> (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)
	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	10/01/10	17,829,959	39,309	Contombor			Deursde Cr	3,022,795			6,730,481		
10/01/19	10/01/19	17,830,522 17,831,112	1,153	September 117,521			Pounds Cr 0.479	2,985,412			6,644,057		
10/01/19		17,895,551	64,439	117,521	7.7	0.23	0.239	3,042,581	7.4	0.35	6,779,975	7.2	0.16
10/31/19		17,949,436	53,885		1.1	0.20	0.200	3,063,263		0.00	6,819,059	1.2	0.10
10,01/10	11/01/19	17,950,221	20,000	October			Pounds Cr	2,000,200			2,0.0,000		ł
11/01/19		17,950,822	1,386	119,699		1	0.238	3,063,964		-	6,819,849		
11/07/19		17,964,181	13,359		8.0	0.36	0.343	3,069,346	7.5	0.39	6,828,897	7.7	0.26
11/30/19		18,029,863	65,682					3,091,286			6,879,193		
	12/01/19	18,031,315		November			Pounds Cr						
12/01/19		18,032,559	2,696	81,094			0.232	3,091,718			6,881,218		
12/06/19		18,058,482	25,923		8.0	0.35	0.343	3,099,656	7.3	0.34	6,901,417	7.8	0.14
12/31/19		18,123,426	64,944					3,122,055			6,954,035		
	01/01/20	18,126,523		December			Pounds Cr						
01/01/20		18,127,980	4,554	95,208	7.0	0.40	0.272	3,122,936	7.0	0.42	6,954,035	7.0	0.44
01/03/20		18,137,077	9,097		7.9	0.46	0.438	3,125,583	7.6	0.43	6,961,319	7.6	0.41
01/31/20	02/01/20	18,185,942 18,188,180	48,865	January			Pounds Cr	3,144,421			6,996,350		
02/03/20	02/01/20	18,188,411	2,469	61,657			0.225	3,145,281			6,998,288		
02/03/20		18,193,814	5,403	01,001	8.0	0.60	0.562	3,147,017	7.6	0.28	7,002,580	7.9	0.22
02/28/20		18,215,202	21,388		0.0	0.00	0.002	3,155,718		0.20	7,017,733		0.22
	03/01/20	18,217,070		February			Pounds Cr						
03/02/20		18,218,425	3,223	28,890			0.135	3,157,017			7,020,060		
03/06/20		18,227,194	8,769		8.0	0.81	0.776	3,159,176	7.4	0.53	7,027,934	7.9	0.44
03/31/20		18,382,609	155,415					3,201,453			7,154,334		
	04/01/20	18,384,172		March			Pounds Cr						
04/01/20		18,388,797	6,188	167,102			1.080	3,203,232			7,159,271		
04/10/20		18,415,384	26,587		8.1	0.25	0.237	3,213,356	7.7	0.18	7,178,272	8.1	0.16
04/30/20	05/04/00	18,455,631	40,247	A				3,228,721			7,207,059		
05/01/20	05/01/20	18,456,245	1.040	April 72,073			Pounds Cr 0.142	2 220 502			7 000 000		
05/01/20		18,457,479 18,465,286	1,848 7,807	12,013	8.0	0.26	0.142	3,229,593 3,233,088	7.5	0.18	7,208,236 7,213,316	7.9	0.12
05/07/20		18,465,286	82,578		0.0	0.20	0.202	3,233,088	1.5	0.10	7,213,316	1.3	0.12
00,00,20	06/01/20	18,552,699	02,070	May	<u> </u>		Pounds Cr	5,201,000			.,2,0,000	<u> </u>	ł
06/01/20		18,555,721	7,857	96,454		1	0.210	3,264,658		-	7,279,075		
06/04/20		18,563,811	8,090	-	7.8	0.28	0.282	3,267,737	7.3	0.20	7,284,611	7.5	0.20
06/30/20		18,636,606	72,795					3,294,057			7,339,953		
	07/01/20	18,637,892		June			Pounds Cr						
07/01/20		18,638,722	2,116	85,193			0.200	3,294,931			7,341,133	<u> </u>	
07/10/20		18,652,865	14,143		7.9	0.29	0.284	3,301,008	7.3	0.23	7,350,478	7.5	0.20
07/31/20		18,723,698	70,833	1.2				3,324,361			7,403,193	<u> </u>	}
00/00/00	08/01/20	18,724,228	4 507	July	-		Pounds Cr	2 220 500			7 405 040		
08/03/20 08/06/20		18,728,205 18,731,111	4,507 2,906	86,336	7.8	0.33	0.204	3,326,528 3,327,827	7.3	0.34	7,405,919 7,407,858	7.5	0.18
08/06/20		18,753,077	2,906		1.0	0.00	0.340	3,339,110	1.3	0.34	7,407,858	7.5	0.10
00/01/20	09/01/20	18,753,491	21,000	August			Pounds Cr	0,000,110			7,721,702		
09/01/20	00,01120	18,753,819	742	29,263			0.084	3,339,541			7,421,789		1
09/11/20		18,760,472	6,653	-,	8.1	0.57	0.544	3,343,863	7.3	0.45	7,427,984	7.6	0.41
09/30/20		18,792,498	32,026					3,358,277			7,446,675	1	
	10/01/20	18,792,926		September			Pounds Cr						
10/01/20		18,793,222	724	39,435			0.179	3,358,711			7,427,060		
10/08/20		18,800,494	7,272		8.1	0.50	0.497	3,362,178	7.4	0.30	7,451,303	7.6	0.26
10/30/20		18,848,450	47,956					3,382,506			7,482,072		

Date         Discharge (gallon)         Norskryge Besten wite (gallon)         Norskryge (gallon)         Norskryge				OUT	FALL 001				Ма	nhole	#1	N	lanho	le #2
1110220         18.852886         4.188         7.688         0.238         3.386.397         7.3         7.64.405         7.7           1100200         18.05.102         47.28         0.388         0.388         3.80.397         7.3         0.57.847.465         7.7           120100         18.05.102         47.28         Nevember         Pounds Cr.         7.55.394         7.55.394           120110         18.05.102         11.112         55.177         6.77         0.478         3.403.76         7.56         0.44         7.53.405         7.58         1.55.178         7.8         1.55.178         7.8         1.55.178         7.8         1.55.178         7.8         1.55.178         7.8         1.55.178         7.8         1.55.178         7.8         1.55.178         1.55.1	Date Actual	For Linear	Discharge Reading	Discharged Between Meter	Discharge	рН	Chromium Lab Analysis (mg/L) [Local Limit	Chromium Lab Analysis <sup>1</sup> (mg/L) [Local	Totalizer #1 Reading	рН	Chromium Hach Test	Totalizer #2 Reading	рН	Hexavalent Chromium Hach Test Kit (mg/L)
110000         18.87/374         5.28         8.0         0.38         0.38         3.87/344         7.8         0.00         7.47           110000         18.905/874         November         Paunds Cr         7.23.364         7.533.48           1201/00         18.906/21         6.112         55.17         0.46         0.466         3.400.707         7.504.48           1201/00         18.916.201         9.917         6.2         0.46         0.460         3.400.707         7.6         0.47           1201/00         18.916.201         9.917         6.2         0.46         0.460         3.412.48         7.504.47         7.3           0101021         18.924.98         2.462         8.0         0.42         0.461         3.413.28         7.55.962         7.55.962           020021         18.946.98         1.322         15.913         2.0043         0.461         3.413.28         7.55.962		11/01/20	18,850,614		October			Pounds Cr						
113.000         113.005,102         47.281         November         Pounds Cr.         3.402.842         7.83.384         Pounds Cr.           1201/00         113.062.11         1.112         55.117         0.778         3.403.078         7.5         0.447         7.51         7.5           1201/00         18.056.21         9.077         0.456         3.400.700         7.6         0.447         7.51         7.6         7.6         0.447         7.51         7.6         0.447         7.51         7.6         0.447         7.51         7.6         0.447         7.51         7.6         0.447         7.51         7.6         0.447         7.51         7.6         0.47         7.51         7.6         0.47         7.51         7.51         7.51         7.51         7.51         7.51         7.51         7.55<	11/02/20		18,852,636	4,186	57,688			0.239	3,384,697			7,484,406		
Image: constraint of the second sec						8.0	0.38	0.388		7.3	0.50		7.7	0.13
1201/00         18.806.244         1.112         55.117         0.476         3.400.700         7.804.865         7.804.865           1221/20         18.8291.39         12.938         0.46         0.46         0.464         7.804.471         7.804.471           1201/21         18.8291.39         12.938         0.46         0.46         3.412.085         7.840.471         7.940.471           0.101/21         18.8291.39         7.34         23.690         0.090         3.412.485         7.640.800         7.540.800           0.10021         18.929.873         7.34         23.690         0.042         0.413.533         7.6         7.540.800         7.540.800           0.10021         18.929.873         7.34         23.690         0.041         3.413.581         7.6         7.550.785           0.20021         18.944.984         1.021         15.513         0.042         7.81.522         7.551.562         7.551.562           0.200121         18.946.804         0.624         6.2         0.43         0.410.67         7.80.761         7.85.761           0.200121         19.096.206         6.5287         0.041         0.342.465         7.555.760         7.555.760         7.555.760         7.555.760         7.565	11/30/20			47,228					3,402,642			7,523,584		
1211/20         18.918_201         9.987         8.2         0.46         0.466         0.466         7.6         0.447         7.81		12/01/20												
123/10         18.292.471         December         Paunds Cr         3.41.208         7.540.477           0101711         18.292.671         18.292.671         7.44         23.690         0.090         3.412.486         7.540.800         -           010021         18.323.673         7.44         23.690         0.042         3.413.334         7.6         7.547.47         7.9           0100221         18.343.88         11.541         0.042         0.411.487         7.550.785         -           0201721         18.344.984         1.021         15.513         0.0460         3.418.564         7.8         7.555.622           0205221         18.364.084         0.524         -         3.42.206         7.555.737         7.6           020521         18.366.294         0.524         -         0.43         3.42.206         7.555.504         -           0301721         18.364.284         6.002         15.827         0.0593         3.42.246         7.6         7.60.370         -         7.62.655         -         0.341.1863         7.6         7.60.370         -         7.63.581         1         0.342.246         7.76.335         1.4         0.342.346         7.75.55.54         -         0.342.346					55,117					7.0				0.17
010121         18.229.421         December December         Pennds Cr						8.2	0.46	0.456		7.6	0.44		7.8	0.17
0.001/21         19.892.357         23.482         8.0         0.090         341/4.86         7.540.80         7.540.80           01/082/1         19.843.89         13.641         8.0         0.42         0.461         3.413.334         7.6         0.347.334         7.6         0.347.334         7.6         0.347.334         7.6         0.347.334         7.6         0.347.334         7.6         0.347.334         7.6         0.347.334         7.6         0.347.334         7.6         0.347.334         7.6         0.347.334         7.6         0.557.73         7.8         1.557.33         0.060         3.413.641         7.557.75         7.8         1.552.73         7.8         0.557.73         7.8         0.557.75         7.555.70         1.552.73         7.8         0.557.73         7.8         0.557.73         7.8         0.557.73         7.8         0.557.73         7.8         0.557.73         7.555.70         1.557.73         0.755.713         0.755.713         0.755.713         0.755.713         0.755.713         0.755.713         0.755.713         0.755.713         0.755.713         0.755.713         0.755.713         0.755.713         0.755.713         0.755.713         0.755.713         0.755.713         0.755.7173         0.755.713         0.755.713	12/31/20	04/04/04		12,938	December			Downdo Cr	3,412,036			7,540,417		
0109821         18.822.350         2.462         8.0         0.42         0.461         3.417.891         0.8         7.567.785           0201021         18.843.386         11.541         9         3.417.689         7.557.785         9           0201021         18.845.086         1.022         15.713         0.000         3.415.132         7.557.562         1           02026221         18.845.086         1.962         8.2         0.43         0.451         3.412.085         7.857.5582         1           02026221         18.845.086         5.062         5.975         15.72         0.053         3.422.086         7.565.170         1           0301021         18.969.076         8.422         6.4         0.64         0.777         3.442.232         7.9         0.61         7.569.83         8.1           0303121         19.007.526         March         Pounds Cr         -         -         7.82.851         1           0401021         19.007.526         March         Pounds Cr         -         -         7.82.851         1         -         -         7.82.851         1         -         -         -         -         -         -         -         -         -	01/01/21	01/01/21		734					2 /12 /69			7 540 800		
010021         18.843.88         11.541          3.417.690         7.560.76           020121         18.845.08         1.002         15.513         0.060         3.411.92         7.551.562           0205021         18.845.08         1.022         15.513         0.060         3.411.92         7.551.562         7.555.73           0205021         18.866.20         9.224         0.43         0.451         3.412.05         7.555.73         7.8           030121         18.867.20         5.002         15.827         0.059         3.422.05         7.555.504         7.555.504           030121         18.967.26         5.002         15.827         0.059         3.424.222         7.9         0.61         7.569.356           030121         19.057.26         March         Pounds Cr         3.438.199         7.624.852         1.00           040121         19.053.32         14.190         8.0         0.77         3.441.63         7.6         0.22         7.563.360         7.8           040021         19.053.32         4.400         65.521         0.339         3.445.85         7.7         0.45         7.88.350         7.77.88.30         7.7           050121         19.045.07					23,090	8.0	0.42			76	0.34		79	0.13
0201012         16.944.934         January         Pounds Cr         N         N         N           0201021         16.946.680         1.582         15.8         8.2         0.43         0.451         3.418.534         7.851.562         1           0202021         16.946.604         0.524         -         -         3.422.065         -         7.555.54         -           0200121         16.960.761         February         Pounds Cr         -         3.422.486         -         7.585.544           0301021         18.986.678         8.422         8.4         0.64         0.777         3.422.486         -         7.585.544           0303021         19.036.724         67.066         -         -         3.438.960         -         7.624.685           0401021         19.037.526         March         Pounds Cr         -         3.445.365         -         7.626.237           04002121         19.02.538         44.209         -						0.0	0.42	0.401		7.0	0.34		1.5	0.13
0201021         18,044,080         1,502         15,513         0.060         3,418,32         7,55,562           0205021         18,044,080         5,522         1         3,418,944         7,8         0.55         7,552,713         7,8           0201021         18,084,080         5,522         15,827         0.059         3,422,965         7,555,914         1           0301021         18,984,788         5,562         15,827         0.059         3,422,496         7,758,938,16         8,1           03030521         19,039,724         67,046         67,464         7,773         3,444,939         7,824,855         1           0401021         19,033,93         2,406         7,765         0.458         3,460,900         7,726,3266         7,765           0400221         19,033,93         4,209         0.77         0.713         3,441,643         7,6         0.29         7,738,306         7,8         7,8           040021         19,03,976         A,401         65,521         0.488         3,469,405         7,7         0.45         7,991,616         7,7           0507021         19,107,991         May         Pounds Cr         3,465,405         7,7         0.45         7,991,616	01/00/21	02/01/21		11,041	January		1	Pounds Cr	0,417,000			1,000,100		
02002r1         18.946.800         1.5.82         8.2         0.43         0.441         3.442.065         7.8         7.8           0202121         18.965.04         9.524         -	02/01/21	02/01/21		1.202					3.418.132			7.551.562		
0228/21         18.966.264         9.524         Pounds Cr         3.422.065         7.558.564           0301/21         18.961.76         February         Pounds Cr         1         1           0301/21         18.961.76         8.422         8.4         0.64         0.717         3.422.496         7.558.504           0301/21         19.095.723         67.046         0.64         0.717         3.422.496         7.528.504           0401/21         19.093.7526         F7.046         0.6458         3.438.199         7.624.655           04001/21         19.093.7526         March         Pounds Cr         3.438.090         7.638.396         7.6           040021         19.059.307         24.06         76,765         0.0.77         0.713         3.441.665         7.6         0.29         7.682.397           040021         19.102.638         49.209         April         Pounds Cr         7.67.862.37         7.77.862.37         7.77.862.37           050021         19.102.638         4.400         5.81         0.389         3.454.565         7.77         0.457.691.616         7.7           050121         19.146.527         29.139         May         Pounds Cr         7.77.87.7         7.77.767.76					- /	8.2	0.43			7.8	0.58		7.8	0.12
0301021         19.991.206         5.052         15.827         0.059         3.422.496         7.553.170         1           0303521         19.996.77         8.422         6.4         0.64         0.717         3.422.237         7.9         0.593.8         8.1           033121         19.08.27.82         67.046         0.64         0.64         7.634.655         1           0400121         19.03.97.526         March         Pounds Cr         3.433.090         7.638.396         7.8           0400121         19.03.97.526         March         Pounds Cr         3.441.665         7.6         0.29         7.688.396         7.8           040021         19.106.678         4.440         65.211         0.077         0.713         3.445.645         7.7         0.455         7.691.616         7.7           0500271         19.116.678         4.440         65.211         0.88         3.445.545         7.7         0.457         7.91.61         7.7           0601721         19.146.522         29.139         May         Pounds Cr         7.71.637         7.71.767         7.8           0601721         19.146.527         20.137         1.471         3.455.45         7.7         7.71.67         <	02/26/21													
0305271         18,860,878         8.422         8.4         0.64         0.717         3,422,222         7.9         0.61         7.628,655         1           040121         19,038,726         March         Pounds Cr         3,438,199         7.624,665         7.624,665           040121         19,038,726         March         Pounds Cr         3,438,199         7.624,665         7.624,665           040021         19,036,724         440         65,521         0.456         3,439,060         7.676,642           050121         19,106,978         4,440         65,521         0.389         3,454,365         7.624,556         7.627,642           0500121         19,106,978         4,440         65,521         0.389         3,454,365         7.7045,772         7.718,642           0500721         19,146,979         May         Pounds Cr         7.717,857         7.719,031         7.719,031         7.717,857         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,031         7.719,03		03/01/21	18,960,761		February			Pounds Cr						
03/121         19.03/7.26         67.046         Pounds Cr         3.438.199         7.62.4565           04/01/21         19.037.56         March         Pounds Cr         7.62.4655         7.62.237           04/021         19.033.39         14.199         8.0         0.77         0.713         3.441.683         7.6         0.29         7.638.237           04/021         19.102.538         49.200         April         0.3453.500         7.678.642           04/021         19.102.538         49.200         April         0.3463.655         7.682.550           0500121         19.102.538         49.200         8.1         0.48         0.490         3.464.365         7.7         0.45         7.682.550           0500121         19.147.933         10.040         8.1         0.48         0.490         3.465.357         7.7         0.45         7.691.616         7.7           060121         19.146.522         29.139         May         Pounds Cr         3.465.737         7.719.011         0.483.45         7.7         0.45         7.83.44           060121         19.146.94         49.703         1         3.479.242         7.758.242         7.758.242           0770021         19.203.673	03/01/21		18,961,256	5,052	15,827			0.059	3,422,496			7,563,170		
0401/21         19.037.526         March         Pounds Cr         -        -         -         -<	03/05/21		18,969,678	8,422		8.4	0.64	0.717	3,424,232	7.9	0.61	7,569,835	8.1	0.30
0+01/21         19.09.130         2.406         76,765         0.438         3.439.060         7.626.237         0           04/09/21         19.053.32         14.199         8.0         0.77         0.713         3.441.663         7.6         0.22         7.638.386         7.8           04/00/21         19.102.358         44.209         Pounds Cr         7.676.642         7.676.642           05/01/21         19.106.677         4.440         65.521         0.389         3.454.366         7.767.642           05/01/21         19.106.677         4.440         65.521         0.389         3.456.365         7.7         0.45         7.681.616         7.7           05/01/21         19.146.9579         May         Pounds Cr         7         7.719.031         7.719.031           06/01/21         19.147.987         14.71         43.332         0.141         0.379         3.466.806         7.5         0.25         7.721.90         7.8           06/01/21         19.201.961         June         Pounds Cr         7.763.244         7.763.244         7.763.244         7.765.22         7.765.22         7.771.3857         7.4         0.7791.359         7.4         0.7791.359         7.4         0.7791.359         7.4	03/31/21			67,046					3,438,199			7,624,655		
04/09/21         19.053.329         14.199         8.0         0.77         0.713         3.441.663         7.6         0.29         7.638.396         7.8           04/30/21         19.102.538         49.209         April         Pounds Cr         3.455.500         7.678.642         7.678.642           05/01/21         19.106.978         4.440         65.521         0.389         3.456.545         7.7         0.45         7.681.666         7.7         0.45         7.682.550         7.7         0.45         7.682.560         7.7         7.678.642         7.7         0.45         7.682.560         7.7         7.45         7.682.560         7.682.560         7.7         7.45         7.7         0.45         7.717.857         7         7.45         7.719.031         1.7         1.771.867         1.7         1.771.867         7.783.244         7.783.244         7.773.324         7.771.60         7.8         0.600/21         19.151.356         3.363         0.14         0.379         3.466.66         7.5         0.25         7.71760         7.8           060/021         19.201.657         June         Pounds Cr         -         7.763.244         7.763.244         7.763.244         7.763.244         7.763.244         7.765.22		04/01/21												
04/3021         19,102,538         49,209         April         Pounds Cr         3,453,500         7,676,842         0           06/03/21         19,106,378         4,440         65,521         0.389         3,454,365         7,676,842         0           06/03/21         19,106,378         4,440         65,521         0.389         3,454,365         7,676,842         7           06/07/21         19,114,5973         22,2139         0         0.45         3,465,355         7,771,787         0           06/07/21         19,147,993         1,471         43,382         0.181         3,465,737         7,771,01         0         0         0.121         19,201,993         1,471         43,932         0.181         3,465,067         7.50,224         7,763,244           07/01/21         19,201,961         June         Pounds Cr         7,765,222         7,765,223         7,707,021         19,294,733 <t< td=""><td></td><td></td><td></td><td></td><td>76,765</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>					76,765									
0501/21         19.106,978         4,440         65,521         0.389         3,454,365         7.825,50           05/03/21         19.106,978         4,440         65,521         0.389         3,454,365         7.7         0.45         7,691,616         7.7           05/07/21         19.177,383         10,405         8.1         0.48         0.495         3,465,545         7.7         0.45         7,691,616         7.7           06/07/21         19,146,522         29,139         44         3,465,305         7.717,857         7           06/07/21         19,147,993         1,471         43,932         0.181         3,465,606         7.5         0.25         7,721,760         7.8           06/07/21         19,201,659         49,703         9         3,478,422         7,765,721         7,785,224           07/07/21         19,203,673         2,614         54,982         0.174         3,478,422         7,785,222         7,765,222           07/09/21         19,209,673         2,614         9         3,501,153         7,844,883         7           08/02/21         19,209,573         3,251         96,091         0.382         3,502,015         7,844,880         7           08/02/21 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>8.0</td> <td>0.77</td> <td>0.713</td> <td></td> <td>7.6</td> <td>0.29</td> <td></td> <td>7.8</td> <td>0.62</td>						8.0	0.77	0.713		7.6	0.29		7.8	0.62
06/03/21         19.106.978         4.440         65.521         0.389         3.454.365         7.7         0.652.50           05/07/21         19.1146.522         29.139         0.48         0.495         3.456.545         7.7         0.45         7.682.505         7.7/1.857           06/01/21         19.146.522         29.139         0.161         3.465.505         7.7/1.857         0.45           06/01/21         19.147.993         1.471         43.932         0.181         3.465.606         7.5         0.25         7.721.760         7.8           06/04/21         19.151.356         3.363         0.14         0.379         3.465.606         7.5         0.25         7.721.760         7.8           06/04/21         19.201.059         49.703         -         3.479.292         7.765.222         -	04/30/21			49,209					3,453,500			7,678,642		
0507/21         19.117.383         10.405         8.1         0.48         0.495         3.456,545         7.7         0.45         7,691,616         7.7           06/01/21         19.146,579         May         Pounds Cr         7.717.857         7.717.857           06/01/21         19.146,579         May         0.181         3.466,305         7.717.931         7.719.031           06/04/21         19.147.993         1.471         43.932         0.181         3.466,606         7.5         0.25         7.721.760         7.8           06/03/21         19.201.059         49,703         June         Pounds Cr         7.763.244         7.765.222         7.765.225         7.860.33         7.4	05/00/04	05/01/21							0.454.005			7 000 550		
06/31/21         19,146,522         29,139         May         Pounds Cr         3,465,305         7,717,857         2           06/01/21         19,147,903         1,471         43,392         0.181         3,465,737         7.719,031         1           06/04/21         19,147,903         1,471         43,392         0.14         0.379         3,466,606         7.5         0.25         7,721,760         7.8           06/04/21         19,201,9961         June         Pounds Cr         3,478,422         7,765,222         7,765,222           07/01/21         19,201,961         June         Pounds Cr         3,477         3,485,443         7.4         0.34         7,765,222           07/03/21         19,226,322         62,184         0.174         3,479,292         7,765,222         0.703/21         19,296,573         3,251         96,091         0.382         3,500,153         7,841,853         0           08/02/21         19,299,573         3,251         96,091         0.382         3,502,015         7,844,580         0         3,517,739         0         0         3,513,35         7,97,739         0         0         3,512,337         7,4         0.51         7,844,580         1         0,901/21					65,521	0.4	0.40			77	0.45		77	0.00
06001/21         19,146,979         May         Pounds Cr						8.1	0.48	0.495		1.1	0.45		1.1	0.28
06/01/21         19,147,993         1,471         43,932         0.181         3,465,737         7,719,031           06/04/21         19,201,095         49,703         3,466,606         7.5         0.25         7,721,760         7.8           06/3021         19,201,095         49,703         3,479,422         7,763,244         7,763,244           07/01/21         19,203,673         2,614         54,982         0,174         3,479,292         7,765,224           07/09/21         19,236,373         2,614         54,982         0,174         3,479,292         7,765,224           07/09/21         19,236,322         62,184         9         0,353         0,477         3,485,443         7,4         0,34         7,913,359         7.4           07/30/21         19,298,052         July         Pounds Cr         3,501,153         7,844,580         96,091         0.382         3,502,015         7,844,580         96,091         0,382         3,503,307         7.4         0,51         7,847,225         7.5         0.831/21         19,303,276         August         Pounds Cr         9,901/21         19,390,270         4,114         89,724         0.266         3,522,204         7,920,922         999/0021         19,406,086	03/31/21	06/01/21		29,139	May		ł	Bounds Cr	3,403,305			7,717,007		
06/04/21         19,151,356         3,363         0.14         0.379         3,466,606         7.5         0.25         7,721,760         7.8           06/30/21         19,201,059         49,703         49,703         3,478,422         7,763,244         7,763,244           07/01/21         19,203,673         2,614         54,982         0.174         3,479,322         7,765,222         7,791,358         7,4           07/09/21         19,234,138         30,465         7.9         0.53         0.477         3,485,443         7,4         0.34         7,791,358         7,4           07/09/21         19,236,532         62,184          3,501,153         7,841,863          7,841,863            08/01/21         19,298,573         3,251         96,091         0.382         3,502,015         7,844,580           7,841,863                7,91,779            7,917,739               7,920,922            7,94,218         7,3 <td>06/01/21</td> <td>00/01/21</td> <td></td> <td>1 471</td> <td></td> <td></td> <td></td> <td></td> <td>3 465 737</td> <td></td> <td></td> <td>7 719 031</td> <td></td> <td></td>	06/01/21	00/01/21		1 471					3 465 737			7 719 031		
06/30/21         19,201,059         49,703         0         3,478,422         7,763,244           07/01/21         19,203,673         2,614         54,982         0.174         3,478,422         7,765,224           07/01/21         19,203,673         2,614         54,982         0.174         3,478,443         7.4         0.34         7,791,359         7.4           07/30/21         19,296,322         62,184         3,501,153         7,841,853         7.4           08/02/21         19,296,052         July         Pounds Cr         -         -         -           08/02/21         19,303,238         3,665         7.9         0.35         0.366         3,502,015         7,844,580           08/05/21         19,303,238         3,665         7.9         0.35         0.366         3,502,015         7,844,580           08/01/21         19,308,776         August         Pounds Cr         -         7,97,99         -           09/01/21         19,405,050         16,238         7.9         0.37         0.366         3,522,204         7,920,922         -           09/01/21         19,406,050         16,238         7.9         0.37         0.346         3,532,626         7,949,274					40,002		0.14			75	0.25		78	0.18
07/01/21         19,201,967         June         Pounds Cr              07/01/21         19,203,673         2.614         54,982         0.174         3,479,922         7.765,222            07/01/21         19,294,138         30,465         7.9         0.53         0.477         3,485,434         7.4         0.34         7.791,359         7.4           07/30/21         19,296,322         62,184          3,501,153         7.844,853            08/01/21         19,296,323         3,251         96,091         0.382         3,502,015         7.844,880            08/05/21         19,303,238         3,665         7.9         0.35         0.356         3,503,307         7.4         0.51         7,847,295         7.5           08/03/21         19,387,776         August         Pounds Cr         3,521,335         7,917,799            09/01/21         19,406,508         16,238         7.9         0.37         0.346         3,522,204         7,920,922            09/10/21         19,420,522         349         32,606         0.094         3,532,626         7,949,274            10/01/21 <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></td><td></td></td<>														
07/01/21         19,203,673         2,614         54,982         0.174         3,479,292         7,765,222           07/09/21         19,224,138         30,465         7.9         0.53         0.477         3,485,443         7.4         0.34         7,791,259         7.4           08/01/21         19,296,522         62,184         2         3,501,153         7,841,853         2           08/02/21         19,299,573         3,251         96,091         0.382         3,502,015         7,841,853         2           08/02/21         19,299,573         3,251         96,091         0.382         3,502,015         7,841,853         2           08/03/21         19,386,156         82,918         2         3,521,335         7,917,739         2           09/01/21         19,386,156         82,918         2         0,266         3,522,204         7,920,922         2           09/01/21         19,406,508         16,238         7.9         0.37         0.346         3,526,537         7.4         0.33         7,934,218         7.3           09/01/21         19,420,173         13,665         2         9         0.337         0,346         3,526,537         7.4         0.33         7,934,218<		07/01/21			June			Pounds Cr						
07/30/21         19,296,322         62,184         Pounds Cr         7,841,863           08/02/21         19,299,573         3,251         96,091         0.382         3,502,015         7,841,863           08/02/21         19,299,573         3,251         96,091         0.382         3,502,015         7,844,580           08/05/21         19,303,238         3,665         7.9         0.35         0.356         3,503,307         7.4         0.51         7,847,295         7.5           08/01/21         19,386,156         82,918         90,037         0.366         3,522,204         7,920,922         90,01/21           09/01/21         19,340,6508         16,238         7.9         0.37         0.346         3,522,626         7,948,890         16,238           09/30/21         19,420,173         13,665         90,37         0.346         3,532,626         7,948,890         16,238           10/01/21         19,420,173         13,665         90,94         3,532,626         7,949,274         10,01/21         19,420,979         4,475         7.8         0.33         0.337         3,534,360         7.4         0.55         7,952,339         7.4           10/01/21         19,428,979         4,475 <td< td=""><td>07/01/21</td><td></td><td>19,203,673</td><td>2,614</td><td>54,982</td><td></td><td></td><td></td><td>3,479,292</td><td></td><td></td><td>7,765,222</td><td></td><td></td></td<>	07/01/21		19,203,673	2,614	54,982				3,479,292			7,765,222		
08/01/21         19,298,052         July         Pounds Cr         Image: Cr         Ima	07/09/21		19,234,138	30,465	-	7.9	0.53	0.477	3,485,443	7.4	0.34	7,791,359	7.4	0.13
08/02/21         19,299,573         3,251         96,091         0.382         3,502,015         7,844,580         7           08/05/21         19,303,288         3,665         7.9         0.35         0.356         3,503,307         7.4         0.51         7,847,295         7.5           08/31/21         19,386,156         82,918         3,521,335         7,917,739         7           09/01/21         19,387,776         August         Pounds Cr         7         7.4         0.33         7,934,218         7.3           09/01/21         19,390,270         4,114         89,724         0.266         3,522,637         7.4         0.33         7,934,218         7.3           09/02/1         19,402,073         13,665         3,532,626         7,949,324         7         3,533,626         7,949,274         1           10/01/21         19,420,492         349         32,606         0.094         3,532,626         7,949,274         1           10/07/21         19,424,997         4,475         7.8         0.33         0.337         3,534,360         7.4         0.55         7,952,339         7.4           10/07/21         19,438,681         13,684         3,539,176         7,963,515	07/30/21		19,296,322	62,184					3,501,153			7,841,853		
08/05/21         19,303,238         3,665         7.9         0.35         0.356         3,503,307         7.4         0.51         7,847,295         7.5           08/31/21         19,386,156         82,918         3,521,335         7,917,739         1           09/01/21         19,387,776         August         Pounds Cr         1 <td></td> <td>08/01/21</td> <td>19,298,052</td> <td></td> <td></td> <td></td> <td></td> <td>Pounds Cr</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		08/01/21	19,298,052					Pounds Cr						
08/31/21         19,386,156         82,918         August         Pounds Cr         7,917,739         1           09/01/21         19,387,776         August         0,266         3,522,335         7,917,739         1           09/01/21         19,380,270         4,114         89,724         0.266         3,522,204         7,920,922         1           09/01/21         19,406,508         16,238         7.9         0.37         0.346         3,526,537         7.4         0.33         7,934,218         7.3           09/30/21         19,420,173         13,665         3,526,626         7,940,274         1					96,091									
09/01/21         19,387,776         August         Pounds Cr         Image: Cr         I						7.9	0.35	0.356		7.4	0.51		7.5	0.10
09/01/21         19,390,270         4,114         89,724         0.266         3,522,024         7,920,922           09/10/21         19,406,508         16,238         7.9         0.37         0.346         3,526,537         7.4         0.33         7,934,218         7.3           09/30/21         19,420,173         13,665          3,532,626         7,948,890            10/01/21         19,420,382         September         Pounds Cr            7,949,274            10/01/21         19,424,997         4,475         7.8         0.33         0.337         3,534,360         7.4         0.55         7,952,339         7.4           10/07/21         19,438,681         13,684          3,539,176         7,962,363             7,962,363                7,962,363               3,539,176         7,962,363              7,962,363	08/31/21			82,918		<u> </u>		<b>_</b>	3,521,335			7,917,739		<b> </b>
09/10/21         19,406,508         16,238         7.9         0.37         0.346         3,526,537         7.4         0.33         7,934,218         7.3           09/30/21         19,420,173         13,665         3,532,626         7,948,890         7           10/01/21         19,420,382         September         Pounds Cr         7         7         7         7         7           10/01/21         19,420,382         September         Pounds Cr         7         7         7         7         7         7         7         7         7         949,274         7         7         7         7         7         7         7         7         7         7         7         7         7         9         7         4         7         7         7         7         7         7         9         7         4         7         3         7         3         7         4         5         7         4         5         7         4         5         7         4         5         7         4         1         5         7         4         1         1         1         1         1         5         7         4         1	00/04/01	09/01/21							2 500 00 1			7 000 000		
09/30/21         19,420,173         13,665         3,532,626         7,948,890           10/01/21         19,420,382         September         Pounds Cr             10/01/21         19,420,522         349         32,606         0.094         3,532,626         7,949,274           10/07/21         19,424,997         4,475         7.8         0.33         0.337         3,534,360         7.4         0.55           10/29/21         19,438,681         13,684         3,539,176         7,962,363         7,962,363           11/01/21         19,439,799         October         Pounds Cr         1         1           11/01/21         19,442,002         1,872         7.8         0.32         0.320         3,540,470         7.6         0.25         7,963,515           11/01/21         19,442,002         1,872         7.8         0.32         0.320         3,544,838         7,973,129           11/30/21         19,453,737         11,735         3,544,838         7,973,129         1           12/01/21         19,453,737         0         13,938         0.037         3,544,838         7,973,129           12/201/21         19,456,187         2,450         8.3         0.39					89,724	70	0.07			7 4	0.00		7.2	0.12
10/01/21         19,420,382         September         Pounds Cr         Image: Cr <t< td=""><td></td><td></td><td>- , ,</td><td>- /</td><td></td><td>1.9</td><td>0.37</td><td>0.340</td><td>- / /</td><td>1.4</td><td>0.33</td><td>1 1 -</td><td>1.3</td><td>0.12</td></t<>			- , ,	- /		1.9	0.37	0.340	- / /	1.4	0.33	1 1 -	1.3	0.12
10/01/21       19,420,522       349       32,606       0.094       3,532,626       7,949,274         10/07/21       19,424,997       4,475       7.8       0.33       0.337       3,534,360       7.4       0.55       7,952,339       7.4         10/29/21       19,438,681       13,684       3,539,176       7.4       0.55       7,962,363       7.4         11/01/21       19,439,799       October       Pounds Cr       7.6       7.6       7.962,363       7.963,515         11/01/21       19,440,130       1,449       19,417       0.054       3,539,608       7,963,515       7.964,666       7.7         11/05/21       19,442,002       1,872       7.8       0.32       0.320       3,544,838       7,973,129       7.973,129         11/30/21       19,453,737       11,735       7.983,88       7,973,129       7.973,129       7.973,129       7.973,129       7.973,129       7.973,129       7.973,129       7.973,129       7.973,129       7.973,129       7.973,129       7.973,129       7.973,129       7.973,129       7.7         12/01/21       19,456,187       2,450       8.3       0.39       0.452       3,546,132       7.6       0.62       7,975,431       7.7 <td>09/30/21</td> <td>10/01/21</td> <td></td> <td>13,000</td> <td>September</td> <td>1</td> <td></td> <td>Pounds Cr</td> <td>3,332,020</td> <td></td> <td> </td> <td>1,340,090</td> <td>1</td> <td></td>	09/30/21	10/01/21		13,000	September	1		Pounds Cr	3,332,020			1,340,090	1	
10/07/21         19,424,997         4,475         7.8         0.33         0.337         3,534,360         7.4         0.55         7,952,339         7.4           10/29/21         19,438,681         13,684         3,539,176         7,962,363         7,962,363         7,962,363         7,962,363         7,962,363         7,962,363         7,962,363         7,962,363         7,963,515         7,963,515         7,963,515         7,963,515         7,963,515         7,963,515         7,964,666         7,7         7,7         11/05/21         19,442,002         1,872         7.8         0.32         0.320         3,540,470         7.6         0.25         7,964,666         7,7           11/05/21         19,453,737         11,735         7.8         0.32         0.320         3,544,838         7,973,129         7,973,129         7,973,129         7,973,129         7,973,129         7,973,129         7,973,129         7,973,129         7,7         12/01/21         19,453,737         0         13,938         0.037         3,544,838         7,973,129         7,7         7,973,129         7,7         7,973,129         7,7         12/29/21         19,474,737         18,550         7,973,452         7,6         0.62         7,975,431         7,7         7,7 <td>10/01/21</td> <td>10/01/21</td> <td></td> <td>349</td> <td></td> <td>1</td> <td></td> <td></td> <td>3,532,626</td> <td></td> <td></td> <td>7,949 274</td> <td>1</td> <td><u> </u></td>	10/01/21	10/01/21		349		1			3,532,626			7,949 274	1	<u> </u>
10/29/21       19,438,681       13,684       3,539,176       7,962,363         11/01/21       19,439,799       October       Pounds Cr       7         11/01/21       19,440,130       1,449       19,417       0.054       3,539,608       7,963,515         11/05/21       19,442,002       1,872       7.8       0.32       0.320       3,540,470       7.6       0.25       7,964,666       7.7         11/30/21       19,453,737       11,735       3,544,838       7,973,129       1         12/01/21       19,453,737       November       Pounds Cr       7       1         12/01/21       19,453,737       0       13,938       0.037       3,544,838       7,973,129         12/01/21       19,453,737       0       13,938       0.037       3,544,838       7,973,129         12/10/21       19,456,187       2,450       8.3       0.39       0.452       3,546,132       7.6       0.62       7,975,431       7.7         12/29/21       19,476,024       December       Pounds Cr       1       1       1         01/03/22       19,478,802       4,065       22,287       0.084       3,544,838       7,973,129       1					,000	7.8	0.33			7.4	0.55		7.4	0.18
11/01/21         19,439,799         October         Pounds Cr         Image: Cr						1					2.50			
11/01/21         19,440,130         1,449         19,417         0.054         3,539,608         7,963,515           11/05/21         19,442,002         1,872         7.8         0.32         0.320         3,540,470         7.6         0.25         7,964,666         7.7           11/30/21         19,453,737         11,735         3,544,838         7,973,129         1           12/01/21         19,453,737         0         13,938         0.037         3,544,838         7,973,129         1           12/01/21         19,453,737         0         13,938         0.037         3,544,838         7,973,129         1           12/01/21         19,456,187         2,450         8.3         0.39         0.452         3,546,132         7.6         0.62         7,973,129         1           12/10/21         19,456,187         2,450         8.3         0.39         0.452         3,546,132         7.6         0.62         7,975,431         7.7           12/29/21         19,476,024         December         Pounds Cr         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1<		11/01/21			October	1	İ	Pounds Cr				. ,	1	
11/30/21         19,453,737         11,735         3,544,838         7,973,129           12/01/21         19,453,737         November         Pounds Cr              12/01/21         19,453,737         0         13,938         0.037         3,544,838         7,973,129            12/01/21         19,453,737         0         13,938         0.037         3,544,838         7,973,129            12/10/21         19,456,187         2,450         8.3         0.39         0.452         3,546,132         7.6         0.62         7,975,431         7.7           12/29/21         19,474,737         18,550                  01/01/22         19,476,024         December         Pounds Cr                01/03/22         19,478,802         4,065         22,287         0.084         3,544,838         7,973,129	11/01/21			1,449	19,417				3,539,608			7,963,515		
12/01/21         19,453,737         November         Pounds Cr	11/05/21		19,442,002	1,872		7.8	0.32	0.320	3,540,470	7.6	0.25	7,964,666	7.7	0.90
12/01/21         19,453,737         0         13,938         0.037         3,544,838         7,973,129           12/10/21         19,456,187         2,450         8.3         0.39         0.452         3,546,132         7.6         0.62         7,975,431         7.7           12/29/21         19,474,737         18,550	11/30/21			11,735					3,544,838			7,973,129		
12/10/21         19,456,187         2,450         8.3         0.39         0.452         3,546,132         7.6         0.62         7,975,431         7.7           12/29/21         19,474,737         18,550		12/01/21												
12/29/21         19,474,737         18,550         Pounds Cr         Pounds Cr           01/03/22         19,476,024         December         Pounds Cr         7,973,129				-	13,938									
01/01/22         19,476,024         December         Pounds Cr						8.3	0.39	0.452	3,546,132	7.6	0.62	7,975,431	7.7	0.08
01/03/22 19,478,802 4,065 <b>22,287 0.084</b> 3,544,838 7,973,129	12/29/21			18,550	Deser							<b> </b>		
	0.175.17	01/01/22				<u> </u>							<u> </u>	+
					22,287		0.74			0.0	0.70		0.0	0.07
01/07/22         19,481,247         2,445         8.3         0.71         0.702         3,553,105         8.0         0.73         7,994,830         8.0           01/31/22         19,491,787         10,540         3,557,044						0.3	0.71	0.702		8.0	0.73		0.0	0.07

			OUT	FALL 001				Ма	nhole	#1	м	lanho	ie #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 <sup>1</sup> (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)
	02/01/22	19,491,787		January			Pounds Cr						
02/1/2022**		19,491,794	7	15,763			0.092	14			-		
02/10/22		19,494,956	3,169		8.3	0.58	0.662	1,904	8.0	0.33	884	8.2	0.06
00/00/00	03/01/22	19,499,595	5 000	February			Pounds Cr	0.000			4.007		+
03/03/22 03/11/22		19,500,188 19,508,636	5,232 8,448	7,808	8.5	0.455***	0.043 0.455	3,063 3,956	7.7	0.60	4,987 12,803	7.9	0.13
03/31/22		19,581,712	73,076		0.5	0.433	0.433	19,468	1.1	0.00	72,327	1.5	0.10
00/01/22	04/01/22	19,579,886	10,010	March			Pounds Cr	10,100			. 2,021		
04/05/22		19,599,982	18,270	80,291			0.304	23,346			87,209		
04/08/22		19,619,609	19,627		7.9	0.16	0.167	27,567	7.8	0.42	106,399	8.0	0.10
04/30/22		19,689,477	69,868					40,975			158,050		-
	05/01/22	19,690,246		April			Pounds Cr						
05/02/22		19,692,556	3,079	110,360	0.4	0.07	0.153	42,267	7.7	0.35	162,963	0.1	0.11
05/05/22 05/31/22		19,697,175***** 19,741,670	4,619		8.1	0.37	0.380	44,511 53,045	1.1	0.35	166,323 204,944	8.1	0.11
03/31/22	06/01/22	19,742,444		May			Pounds Cr	33,043			204,344		ł
06/01/22		19,743,217	1,547	52,198			0.165	53,468			206,128		
06/09/22		19,750,545	7,328		8.2	0.48	0.452	58,373	7.6	0.17	218,830	7.9	0.29
06/30/22		19,807,692						67,322			259,616		
	07/01/22	19,808,308		June			Pounds Cr						
07/01/22		19,808,470	778	65,864		0.40	0.248	67,547	7.4	0.00	260,174	7.4	0.04
07/08/22 07/31/22		19,816,966 19,842,128	8,496		7.8	0.18	0.410	71,474 76,802	7.4	0.36	266,328 287,644	7.4	0.31
07/31/22	08/01/22	19,842,128		July			Pounds Cr	76,802			287,044		
08/01/22	00/01/22	19,842,816	688	34,214			0.117	77,230			288,031		
08/05/22		19,847,646†	5,124		7.7	0.23	0.238	79,709	7.4	0.36	289,846	7.4	0.05
08/25/22		19,895,343	47,697					88,045			329,207		
08/31/22		19,897,942	2,599					89,759			333,479		
	09/01/22	19,898,506		August			Pounds Cr						
09/01/22		19,899,069	1,127	55,984			0.111	90,186		0.50	334,257		
09/09/22	10/01/22	19,903,637 19,950,290	4,568	September	7.9	0.32	0.382 Pounds Cr	91,946	7.4	0.52	338,564	7.4	0.11
10/03/22	10/01/22	19,953,306	49,669	51,784			0.165	101,843			380,408		-
10/06/22		13,333,300	43,003	51,704	8.2	0.34	0.382	101,043	7.7	0.30	300,400	7.6	0.07
	11/01/22	19,977,565		October			Pounds Cr						
11/07/22		19,982,391	29,085	27,275			0.087	110,050			409,192		
11/11/22					8.2	0.35	0.387		7.7	0.30		7.7	0.11
11/30/22		20,018,322	35,931					118,698			437,597		
10/01/00	12/01/22	20,018,377		November			Pounds Cr				407.000		
12/01/22 12/09/22		20,018,690	368	40,812	7.9	0.45	0.132 0.473	118,698	7.8	0.67	437,988	7.9	0.03
12/09/22		20,049,227	30,537		1.9	0.40	0.473	126,489	1.0	0.07	461,926	1.3	0.03
, 0 1/22	01/01/23	20,049,352	30,007	December	1		Pounds Cr	. 20, 400			.0.,020	1	1
01/04/23		20,056,085	6,858	30,975			0.122	128,657			467,457		<u> </u>
01/06/23					8.4	0.66	0.734		8.0	0.48		7.9	0.20
01/31/23		20,103,237	47,152	1-				139,968			504,806		<b> </b>
00/04/00	02/01/23	20,103,819	4.000	January			Pounds Cr	140.404			E05 500		+
02/01/23 02/09/23		20,104,460	1,223	54,467	8.2	0.66	0.333 0.705	140,401	7.8	0.24	505,592	7.9	0.28
02/09/23		20,143,005	38,545		0.2	0.00	0.103	149,544	7.0	0.24	534,885	1.3	0.20
52/20/20	03/01/23	20,145,093	00,040	February	1		Pounds Cr	0,0			004,000	1	1
03/01/23		20,147,460	4,455	41,274			0.242	150,427			538,131		
03/09/23					8.0	0.15	<0.0025		7.7	0.27		7.8	0.04
	04/01/23	20,363,289		March			Pounds Cr						L
04/04/23		20,367,299	219,839	218,195	0.5	0.46	0.002	193,136			712,934		
04/05/23 04/30/23		20 457 045	00.040		8.3	0.16	0.180	244 647	8.1	0.21	704 077	7.5	0.08
04/30/23	05/01/23	20,457,645 20,457,872	90,346	April			Pounds Cr	211,647			784,877		ł
05/01/23	03/01/23	20,457,672	952	94,583			0.142	211,647			785,674		<u> </u>
05/04/23		_0, .00,001	0.02	,	8.4	0.24	0.233	2,047	7.7	0.21		7.9	0.10
05/31/23		20,524,896	66,299					226,516			836,403		
	06/01/23	20,525,045		May			Pounds Cr						
06/01/23		20,525,270	374	67,173			0.130	226,516			836,790		

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

			OUTI	FALL 001				Manhole #1			Manhole #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 <sup>1</sup> (mg/L) [Local Limit 7.0 mg/L]	Totalizer #1 Reading	рН	Hexavalent Chromium Hach Test Kit (mg/L)	Flow Totalizer #2 Reading (gallons)	рН	Hexavalent Chromium Hach Test Kit (mg/L)
06/07/23					8.1	0.17	0.182		7.4	0.08		7.8	0.04
06/30/23		20,552,149						234,365			857,812		
	07/01/23	20,552,482		June			Pounds Cr						
07/01/23		20,552,933	784	27,437			0.042	234,798			858,199		

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

Industrial User (Waste	ewater Discharge) Permit 18-2	1 Outfall 001 Effluent Limits
рН	Hexavalent Chromium	Total Chromium
Between 5.0 and 12.4 s.u.	<4.5 mg/L	<7.0 mg/L

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

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

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

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

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

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

		Aluminum	Arsenic	Cadmium	Chromium Total <sup>1</sup>	Copper	Cyanide	Lead	Mercury	Nickel	Zinc	Hexavalent Chromium
Permit #18	9-21 Limits	(mg/L) 70	(mg/L) 1.0	(mg/L) 0.3	(mg/L) 7.0	(mg/L) 3.5	(mg/L) 1.0	(mg/L) 2.0	(mg/L) 0.002	(mg/L) 2.0	(mg/L) 10.0	(mg/L) 4.5
Sampler	Sample Date											
CH2M Hill	02/20/97	<.02	<.003	<.00050	0.04	<.01	<.00001	<.005	<.0002	<.005	0.0051	<.01
CH2M Hill	03/24/98	0.0152	<.002	<.00004	0.0637	<.0095	<.0017	<.0006	<.000015	<.0095	0.0046	0.1000
Appleton	04/29/98	<.011	<.002	<.005	0.2200	<.05	0.0020	<.1	<.0002	<.04	<.005	NA
Appleton	10/07/98	<.011	<.002	0.0050	0.1700	<.05	<.001	<.1	<.0002	<.04	0.0250	NA
MCO	03/18/99	<.009	<.003	<.00031	NA	.00068****	<.000032	<.0024	<.00005	.00351****	<.012	<.0036
Appleton	03/18/99	<.011	<.002	<.005	< 0.05	<.05	0.0010	0.1000	<.00005	0.0400	0.0180	NA
Appleton	09/21/99	<.011	<.002	<.005	<.05	<.05	0.0030	<.1	<.00015	<.04	0.0080	NA
Appleton	02/15/00	<.015	<.0020	<.005	0.0900	<.05	<.001	<.1	<.00013	<.04	0.0280	NA
MCO	03/13/00	<.009	<.003	<.00031	0.1400	<.0006	<.0044	<.0024	<.00005	0.0012	<.012	NA
Appleton MCO	02/21/01 03/01/01	<0.15	<.002 <.0027	<.005 .012 ****	0.11	<.05 .0088 ****	0.001	<.1	<.00013 <.00005	<.04 .036 ****	0.042	NA <.0036
Appleton	10/02/01	<.034 0.016	<.0027	<.005	0.25	<.05	<.0033 <.001	<.17 <.1	<.00005	<.04	0.015	<.0036 NA
MCO	03/19/02	<.034	<.002	<.005	0.14	<.0077	<.001	<.17	<.00013	<.04	<.012	<.0036
Appleton	05/02/02	<.034	<.0027	<.0073	0.362	<.0077	<.0027	<.060	<.00003	<.017	<.009	<.0030 NA
Appleton	11/12/02	0.027	<.0082	<.00053	0.302	<.009	<.0007	<.00084	<.000028	0.0044	0.0081	NA
Appleton	02/11/03	<0.027	<.0082	<.00053	0.086	<.0009	<.0007	<.0004	<.000028	0.0036	<.0025	NA
Appleton	03/24/03	<.045	<.0027	<.0088	0.13	0.075	<.0050	<.16	<.000050	<.019	<.0044	<.0036
Appleton	10/23/03	0.0045	0.0013	< 0.0001	0.13	< 0.0008	< 0.005	<0.0006	0.0002	<0.025	<0.010	<.0000 NA
Appleton	03/24/04	< 0.050	< 0.0026	<0.010	0.15	< 0.0060	< 0.0050	<0.16	< 0.000025	<0.020	<0.010	NA
Appleton	11/09/04	0.0071	<0.0012	< 0.0001	0.04	0.0008	< 0.005	<0.008	<0.0002	0.0013	<0.01	NA
MCO	08/08/05	0.023	< 0.0035	< 0.0003	0.039	0.0019	< 0.0037	< 0.0011	< 0.000026	< 0.0044	0.0024	< 0.005
Appleton	11/05/06	0.0052	< 0.0012	<0.0001	0.088	< 0.0005	< 0.005	<0.0008	< 0.0002	0.0017	<0.010	NA
Appleton	02/23/06	0.0021	<0.0012	<0.0001	0.08	< 0.0005	< 0.0005	<0.0008	< 0.0002	0.0022	<0.010	NA
MCO	03/23/06	<0.20	<0.0076	<0.00074	0.32	0.0018	0.0043	<0.0034	<0.000026	0.0033	<0.020	NA
Appleton	06/27/06	<0.200	<0.0076	<0.00074	0.700	0.0016	<0.0094	<0.0034	< 0.000072	0.0021	<0.020	<0.350
Appleton	10/05/06	0.037	<0.00011	<0.0001	4.575	0.0068	0.01	<0.001	<0.0002	0.0026	<0.010	NA
Appleton	03/22/07	<0.07	<0.07	<0.01	1.9	3.5	< 0.004	< 0.03	< 0.0002	<0.04	<0.01	NA
MCO	04/02/07	0.0383	0.00024	0.000086	1.41	0.0041	<0.0094	0.00013	< 0.00019	0.0035	0.009	NA
Appleton	12/04/07	<0.07	<0.001	<0.01	3.4	<0.01	0.008	<0.03	< 0.0002	<0.04	<0.01	1.5
Appleton	01/16/08	0.21	<0.005	<0.01	<0.03	0.02	0.017	0.06	0.0003	<0.04	0.04	NA
OMNNI	04/08/08	0.0114	0.00043	0.00011	0.864	0.0043	0.014 J	0.000095 J	<0.0001	0.0024	0.0071	0.063
Appleton	08/19/08	<0.08	< 0.001	<0.01	0.95	<0.01	0.005	< 0.03	0.0002	<0.02	< 0.01	NA
Appleton	03/31/09	<0.09	< 0.012	<0.01	0.99	<0.01	<0.008	<0.05	<0.0002	<0.02	<0.01	NA
OMNNI	04/07/09	<0.0151	0.003 J	0.00040 J	0.767	0.0024 J	< 0.0060	<0.0014	<0.00010	0.0016 J	0.0137 J	0.84
Appleton	09/22/09	< 0.08	< 0.006	< 0.01	2.3	< 0.01	<0.008	< 0.05	< 0.0002	< 0.02	< 0.01	NA
Appleton	03/02/10	<0.06	< 0.002	<0.01	1.6	<0.01	<0.008	< 0.03	<0.0002	<0.01	<0.01	NA
OMNNI	04/06/10	0.0501 J	< 0.0014	0.00043 J	1.16	0.0024 J	< 0.0061	< 0.00075	<0.0001	0.0023 J	0.0046 J	1.3 NA
Appleton Appleton	11/02/10 02/24/11	<0.10 <0.08	<0.010 <0.001	<0.01 <0.01	0.71	<0.01 <0.01	<0.008	<0.03 <0.04	<0.0002 <0.0002	<0.01 <0.02	<0.01 <0.01	NA
OMNNI	02/24/11	<0.08 0.0725 J	<0.001 0.0025 J	<0.001	0.401	<0.01 0.0028 J	<0.0061	<0.004	<0.0002	<0.02 0.00053 J	<0.01 0.0023 J	0.40
Appleton	10/26/11	<0.08	< 0.0023 3	<0.01	1.2	<0.0028 J	0.007	<0.04	<0.00010	<0.02	<0.01	NA
Appleton	03/21/12	<0.11	< 0.004	<0.01	1.2	0.01	0.007	<0.04	<0.0002	<0.02	<0.01	NA
Terracon	04/05/12	<0.0695	< 0.0047	< 0.00039	0.696	0.014 J	< 0.0061	< 0.0014	< 0.00010	0.001 J	< 0.0053	0.83
Appleton	10/04/12	0.0865	0.0051	0.00049	1.43	0.0028 J	0.026	0.0022	0.0001	0.00019 J	< 0.0053	NA
Terracon	04/11/13	0.078	< 0.004	< 0.00048	0.431	0.0024 J	< 0.0038	< 0.027	< 0.00010	0.00013 J	< 0.0024	0.42
Appleton	04/17/13	<0.0714	< 0.0042	<0.00048	0.279	0.0029 J	<0.0038	<0.027	< 0.00010	0.00062 J	< 0.0024	NA
Appleton	11/20/13	<0.0714	< 0.0042	<0.00048	1.13	0.0018 J	0.0044 J	<0.027	<0.00010	0.00085 J	0.0034 J	NA
Appleton	04/15/14	0.119 J	<0.0068	<0.001	0.27	0.0036 J	<0.060	<0.0016	<0.00010	<0.0013	<0.0058	NA
Terracon	05/13/14	0.116 J	<0.0068	<0.001	0.273	0.0034 J	< 0.060	0.0040 J	<0.00010	<0.0013	0.0064 J	0.28
Appleton	9/24/2014	<0.0655	<0.0068	<0.001	0.757	< 0.0034	<0.010	<0.0016	<0.00010	<0.0013	<0.0058	NA
Terracon	4/15/2015	0.054 J	<0.0072	<0.00060	0.858	0.0041 J	<0.010	<0.0030	<0.00010	<0.0014	0.0026 J	0.92
Appleton	6/3/2015	<0.0655	<0.0068	< 0.001	0.504	< 0.0034	< 0.020	< 0.0016	< 0.00010	0.0013 J	< 0.0058	NA
Appleton	10/21/2015	0.105 J	< 0.0068	<0.0010	0.676	< 0.0034	<0.010	0.0024 J	<0.00010	< 0.0013	0.0078 J	NA 0.70
Terracon	5/12/2016	0.0637 J	<0.0072	<0.00060	0.645	< 0.0036	<0.0068	<0.0030	<0.00013	0.0018 J	<0.0013	0.70
Appleton	5/17/2016	<0.090	<0.001	<0.010	0.530	<0.010	<0.007	< 0.030	<0.0002	<0.020	<0.01	NA
Appleton	11/1/2016	<0.090	<0.010	<0.010	0.560	<0.010	<0.007	<0.030	<0.0002	<0.020	<0.010	NA
Appleton Terracon	4/27/2017 6/8/2017	<0.060 <0.0555	<0.001 <0.0083	<0.010 <0.0013	0.370	<0.010 <0.0063	0.007	<0.030 <0.0043	<0.0002 <0.00013	<0.020 <0.0026	<0.010 <0.0093	NA 0.35
Appleton	11/9/2017	<0.0555	0.0083	0.010	0.345	<0.0063	<0.0068	<0.0043	<0.00013	<0.0026	<0.0093	0.35 NA
Appleton	5/22/2018	<0.060 NA	<0.001	< 0.0006	0.319	0.005	0.010	<0.030	<0.0002	0.005	<0.010	NA
Terracon	6/7/2018	0.0713 J	<0.0083	<0.0000	0.319	< 0.0063	<0.010	<0.003	< 0.0002	< 0.0026	<0.002	0.38
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	< 0.0006	0.519	0.005	< 0.005	<0.000	<0.0002	0.005	<0.002	NA
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	< 0.015	< 0.0006	0.003	0.005	< 0.009	< 0.005	< 0.0002	0.004	< 0.002	NA
Appleton	6/4/2020	NA	<0.028	< 0.0006	0.295	0.008	< 0.018	< 0.007	< 0.0002	0.008	< 0.009	NA
Terracon	6/4/2020	NA	< 0.0083	< 0.013	0.282	< 0.0034	< 0.0069	<0.0059	< 0.00084	< 0.0026	<0.0116	0.28
Appleton	9/30/2020	NA	<0.028	< 0.0004	0.520	0.005	<0.014	<0.007	<0.0002	0.006	< 0.004	NA
Appleton	5/19/2021	NA	<0.028	< 0.0004	0.271	0.003	<0.007	<0.007	< 0.0002	0.007	< 0.004	NA
Terracon	6/4/2021	NA	<0.0083	<0.013	0.379	0.006	< 0.0069	<0.0059	<0.00066	<0.0026	0.0211 J	0.14
Appleton	11/5/2021	NA	<0.028	<0.0006	0.327	0.007	<0.014	<0.007	<0.0002	0.007	< 0.004	NA
			0.000	< 0.0006	0.439	0.005	< 0.014	< 0.007	< 0.0002	0.008	< 0.004	NA
Appleton	5/5/2022	NA	<0.028									
Appleton Terracon	6/9/2022	NA	<0.0083	<0.013	0.452	< 0.0034	<0.0069	<0.0059	<0.00066	<0.0026	<0.0116	0.48
Appleton Terracon Appleton	6/9/2022 8/5/2022	NA NA	<0.0083 0.016					<0.0059 <0.0035	<0.00066 <0.0002	<0.0026 0.004	<0.0116 0.004	0.48 NA
Appleton Terracon	6/9/2022	NA	<0.0083 0.016	<0.013	0.452	< 0.0034	<0.0069					

 ${\sf J}$  = Estimated concentration detected above the limit of detection and below the limit of quantitation

<sup>1</sup> 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

April 13, 2023

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

RE: Project: MAUTHE Pace Project No.: 40260287

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on April 05, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network: • Pace Analytical Services - Green Bay

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

Sincerely,

Day Milery

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: MAUTHE Pace Project No.: 40260287

#### Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064 North Dakota Certification #: R-150 South Carolina Certification #: 83006001 Texas Certification #: T104704529-21-8 Virginia VELAP Certification ID: 11873 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-21-00008 Federal Fish & Wildlife Permit #: 51774A



#### SAMPLE SUMMARY

Project:	MAUTHE			
Pace Project No	o.: 40260287			
Lab ID	Sample ID	Matrix	Date Collected	Date Received
40260287001	OUT FALL-001	Water	04/05/23 09:20	04/05/23 13:50



#### SAMPLE ANALYTE COUNT

Project: MAUTHE Pace Project No.: 40260287

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40260287001	OUT FALL-001	EPA 6010D	SIS	1	PASI-G
		SM 3500-Cr B	HNT	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay



#### SUMMARY OF DETECTION

Project: Pace Project No.:	MAUTHE 40260287					
Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40260287001	OUT FALL-001					
EPA 6010D SM 3500-Cr B	Chromium Chromium, Hexavalent	180 0.16	ug/L mg/L	10.0 0.061	04/07/23 14:26 04/13/23 11:50	



#### **PROJECT NARRATIVE**

Project: MAUTHE Pace Project No.: 40260287

Method: EPA 6010D Description: 6010D MET ICP

Client:Terracon, Inc. - MilwaukeeDate:April 13, 2023

#### General Information:

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

#### Hold Time:

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

#### Sample Preparation:

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

#### Initial Calibrations (including MS Tune as applicable):

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

#### **Continuing Calibration:**

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

#### Method Blank:

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

#### Laboratory Control Spike:

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

#### Matrix Spikes:

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

#### Additional Comments:



#### **PROJECT NARRATIVE**

Project: MAUTHE Pace Project No.: 40260287

#### Method: SM 3500-Cr B

Description:Chromium, HexavalentClient:Terracon, Inc. - MilwaukeeDate:April 13, 2023

#### General Information:

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

#### Hold Time:

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

#### Method Blank:

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

#### Laboratory Control Spike:

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

#### Matrix Spikes:

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

QC Batch: 442280

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40260074002

- M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
  - MS (Lab ID: 2539243)
  - Chromium, Hexavalent
  - MSD (Lab ID: 2539244)
    - Chromium, Hexavalent

#### Additional Comments:

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



### ANALYTICAL RESULTS

	MAUTHE 40260287									
Sample: OUT FALL-	-001	Lab ID:	40260287001	Collecte	d: 04/05/23	3 09:20	Received: 04/	/05/23 13:50 Ma	atrix: Water	
Paramete	ers	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP			Method: EPA 6	•		hod: El	PA 3010A			
Chromium		180	ug/L	10.0	2.5	1	04/06/23 06:30	04/07/23 14:26	7440-47-3	
Chromium, Hexavale	ent		Method: SM 35		У					
Chromium, Hexavaler	nt	0.16	mg/L	0.061	0.018	2.5		04/13/23 11:50		



#### **QUALITY CONTROL DATA**

Project: MAUTHE Pace Project No.: 40260287																	
QC Batch: 441691		Analy	sis Metho	d:	EPA 6010D												
QC Batch Method: EPA 3010A			sis Descri		6010D MET												
			ratory:	•	Pace Analytical Services - Green Bay												
Associated Lab Samples: 4026028	7001				,												
METHOD BLANK: 2536097			Matrix: W	ater													
Associated Lab Samples: 4026028	7001																
		Blar	nk	Reporting													
Parameter	Units	Res	ult	Limit	Analy	zed	Qualifiers	5									
Chromium	ug/L		<2.5	10	.0 04/07/23	3 13:50											
LABORATORY CONTROL SAMPLE:	2536098																
		Spike	LC	s	LCS	% Re	ec										
Parameter	Units	Conc.	Res	sult	% Rec	Limi	ts (	Qualifiers									
Chromium	ug/L	25	0	249	100		80-120		_								
MATRIX SPIKE & MATRIX SPIKE DU	PLICATE: 2536	099		253610	)												
		MS	MSD														
_	40260230001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max							
Parameter Unit	s Result	Conc.	Conc.	Result	Result	% Rec% Re		Limits	RPD	RPD	Qual						
Chromium ug/l	2.6J	250	250	261	268	103	106	75-125	3	20							

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



#### **QUALITY CONTROL DATA**

Project: MAUTHE																		
Pace Project No.: 40260287																		
QC Batch: 442280		Analys	sis Metho	d: S	SM 3500-Cr B													
QC Batch Method: SM 3500-Cr B		Analys	sis Descri	ption: C	hromium, l	lexavalen	t by 3500											
		Labora	atory:	Р	Pace Analytical Services - Green Bay													
Associated Lab Samples: 4026028	7001																	
METHOD BLANK: 2539241		I	Matrix: W	ater														
Associated Lab Samples: 4026028	7001																	
		Blanl	k	Reporting														
Parameter	Units	Resu	lt	Limit	Analy	zed	Qualifier	rs										
Chromium, Hexavalent	mg/L	<0	.0073	0.024	04/13/23	3 11:44												
LABORATORY CONTROL SAMPLE:	2539242																	
		Spike	LC	S	LCS	% R	ec											
Parameter	Units	Conc.	Res	sult	% Rec	Limi	ts	Qualifiers										
Chromium, Hexavalent	mg/L	0.3	3	0.29	98	3 !	90-110											
MATRIX SPIKE & MATRIX SPIKE DU	PLICATE: 2539	243		2539244														
MATRIX SPIKE & MATRIX SPIKE DU	PLICATE: 2539	0243 MS	MSD	2539244														
MATRIX SPIKE & MATRIX SPIKE DU	PLICATE: 2539 40260074002	-	MSD Spike	2539244 MS	MSD	MS	MSD	% Rec		Max								
MATRIX SPIKE & MATRIX SPIKE DU Parameter Unit	40260074002	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.



#### QUALIFIERS

Project: MAUTHE Pace Project No.: 40260287

#### 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.

#### ANALYTE QUALIFIERS

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



#### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MAUTHE Pace Project No.: 40260287

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40260287001	OUT FALL-001	EPA 3010A	441691	EPA 6010D	441770
40260287001	OUT FALL-001	SM 3500-Cr B	442280		

## 40260287 LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or

BEFORE CON         Service A construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the construction free/Address:         Contractive Proceedings of the constructin free/Address: <th cols<="" th=""><th>Pace Analytical*</th><th colspan="11">CHAIN-OF-CUSTODY Analytical Request Document</th><th colspan="13">LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here</th></th>	<th>Pace Analytical*</th> <th colspan="11">CHAIN-OF-CUSTODY Analytical Request Document</th> <th colspan="13">LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here</th>	Pace Analytical*	CHAIN-OF-CUSTODY Analytical Request Document											LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here												
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Copy Tr:       Site Collection Info/Address:       (C) annowin hydrolect, (D) TSP, (U) upgraves (C) Other         Customer Project Name/Number:       Site / Site/Facility (D H:       (C) annowin hydrolect, (D) TSP, (U) upgraves (C) Other         Phone: H/h J-CP - 7L4 (C)       Site/Facility (D H:       (C) YP (D) (D)       (C) YP (D) (D)         Collected (F)       Purchase Order #:       (D) W PVS ID #       (D) VD PVS ID #         Collected (F)       Uncestion Code:       (C) YP (D)       (C) Site/Facility (D)       (C) YP (D)         Collected (F)       Uncestion Code:       (C) YP (D)       (C) YP (D)       (C) YP (D)         Collected (F)       (C) PP (D)         Simple Disposite       (C) PP (D)											reserva															
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mail:       [] Yes       [] No         Collected 0/(pinple):       Puechase Order #:       DW WHS ID OF         Collected 0/(pinple):       Puechase Order #:       DW WHS ID OF         Collected 0/(pinple):       Turnaround Date Required:       Immediately Packed on Ice:         Difease Asymptotic [] No       Turnaround Date Required:       Immediately Packed on Ice:         Difease Asymptotic [] No       [] Yes       [] No         Sample Disposalis:       [] Yes       [] No         Poduce (P Science Asymptotic I) State Date (DW), Disposalis asymptotic Science Asymptotic I)       No         Poduce (P Science Asymptotic I) Rum       [] Yes       [] No         Produce (P Science Asymptotic I) Rum       [] Yes       [] No         Produce (P Science Asymptotic I) Rum       [] Yes       [] No         Produce (P Science Asymptotic I) Rum       [] Yes       [] No         Categories II Matrix box below): Disking Water (DW), Around Water (WW), Rum (PW), Ar (AR), Rum (PW), Ar (A	Customer Project Name/Number: Mauthe			1 ,	1 17	· .	· · · · · · · · · · · · · · · · · · ·							Analys	es				1	Lab Sa	Lab Sample Receipt Checklist:					
Duck factors       Quote #:       DV Location Code:       Y H MA         Collected by (septime):       Turnaround Date Required:       II Yes       1 No         Sample Dipositi:       Rush:       II Yes       1 No       Y H MA         Dipose as appoint       Rush:       I Sample Dipositi:       I Yes       I No         I poteps as appoint       Rush:       I Sample Dipositi:       I Yes       I No         I active:       I J Sample Dipositi:       Rush:       Field Filtered (ff applicable):       I Yes       I No         I hold:       Composite Sample ID       Matrix * Comp/       Collected (or Composite End)       Composite End Composite End       Res       # of Composite End       I I I I       I I I I       I I I I I I I I I I I I I I I I I I I	Phone: <b>414-309 - 764 0</b> Email:	Site/Facility ID	#:					ing?						د در می در مربع مربع می						Colle	ctor Signature Present Y N NA					
Collected by (supporture):       Turnaround Date Required:       Immediately Packed on Ice:	Collected By (print): Dare Hassner		r #:			1														Suffic Sample	cient Volume Y N NA es Received on Ice Y N NA					
I Hold:       I Depetite Charges Apply       Analysis:       PB Strips:       PB Strips:         Watrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW),       Product (P), Sol/Solid (SL), Oil (OL), Wine (WP), Air (AR), Tissue (TS, Biossas (R), Asport (N), Other (OT)       PB Strips:       Lab USE OUTY it         Customer Sample ID       Matrix *       Composite Start)       Composite End       Res       P of C         Customer Sample ID       Matrix *       Grad       Composite Start)       Composite Start)       Composite Start)       Composite Start)       Composite Start)         Customer Remarks / Special Conditions / Possible Hazards:       Type of Lce Used: Wet Blue       Dry       None       SHORT HOLDS PRESENT (<27 hours): Y	213	Turnaround Da	ate Require	ed:			•	on Ice:		5	5			ve en												
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DC#\_Title: ENV-FRM-GBAY-0035 v03\_Sample Preservation Receipt Form Effective Date: 8/16/2022

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Pace Lab #	AG1U	BG1U	AG1H	Glass VG4S	AG5U	AG2S	BG3U	BP1U		Plast 8248			BP2Z	VG9C						JGFU	Jars D H Adju Jars D H H Adju Jars D J			Gen ZPLC ZPLC		eral L NS			H2SO4 pH ≤2 8	taOH+Zn Act pH ≥9	vaOH pH ≥12	HNO3 pH <2	pH after adjusted	Volume (mL)
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Sample Condition Upon Receipt Form (SCUR)

Project #:
Client Name: <u>Terracon</u> <b>WO#:40260287</b>
Courier: 🔲 CS Logistics 🗍 Fed Ex 📋 Speedee 🔄 UPS 🗋 Waltco
Client Pace Other
Tracking #: 40260287
Custody Seal on Cooler/Box Present: 🔲 yes 🔽 no Seals intact: 🗍 yes 🗍 no
Custody Seal on Samples Present: 🔲 yes 🖉 no 👘 Seals intact: 🔲 yes 🔲 no
Packing Material: 🔲 Bubble Wrap 🔲 Bubble Bags 🔏 None 🔲 Other
Thermometer Used SR - 9 Type of Ice Wet Blue Dry None Meltwater Only Person examining contents:
Cooler Temperature Uncorr. O. S /Corr / S
Temp Blank Present:  yes no Biological Tissue is Frozen: yes no Date:  D
Temp should be above freezing to 6°C.         Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.         Labeled By Initials:
Chain of Custody Present: ZYes DNo DN/A 1.
Chain of Custody Filled Out: ZYes DNo DN/A 2.
Chain of Custody Relinquished: Yes DNo DN/A 3.
Sampler Name & Signature on COC: Yes DNo DN/A 4.
Samples Arrived within Hold Time: $\swarrow_{\text{Yes}} \Box_{\text{No}}$ 5.
- DI VOA Samples frozen upon receipt
Short Hold Time Analysis (<72hr): QYes DNo 6.
Rush Turn Around Time Requested:
Sufficient Volume: 8.
For Analysis: Zyes DNo MS/MSD: Dyes ZNo DN/A
Correct Containers Used: ZYes DNo 9.
Correct Type: Pace Green Bay, Pace IR, Non-Pace
Containers Intact. Dies DNo 10.
Filtered volume received for Dissolved tests
Sample Labels match COC: ZYes DNo DN/A 12.
-Includes date/time/ID/Analysis Matrix <u> </u>
Trip Blank Present:
Trip Blank Custody Seals Present
Pace Trip Blank Lot # (if purchased):
Client Notification/ Resolution: If checked, see attached form for additional comments Date/Time: Comments/ Resolution:

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

Page\_2 of\_2



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

May 15, 2023

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

RE: Project: 58117057 MAUTHE Pace Project No.: 40261708

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on May 04, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network: • Pace Analytical Services - Green Bay

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

Sincerely,

Day Milenty

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.: 40261708

#### Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064 North Dakota Certification #: R-150 South Carolina Certification #: 83006001 Texas Certification #: T104704529-21-8 Virginia VELAP Certification ID: 11873 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-21-00008 Federal Fish & Wildlife Permit #: 51774A



# SAMPLE SUMMARY

Project: 58117057 MAUTHE

Pace Project No.: 40261708

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40261708001	OUTFALL-001	Water	05/04/23 07:00	05/04/23 14:30



# SAMPLE ANALYTE COUNT

 Project:
 58117057 MAUTHE

 Pace Project No.:
 40261708

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40261708001	OUTFALL-001	EPA 6010D	SIS	1	PASI-G
		SM 3500-Cr B	EXM	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay



# SUMMARY OF DETECTION

Project: 58117057 MAUTHE

Pace Project No.: 40261708

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40261708001	OUTFALL-001					
EPA 6010D SM 3500-Cr B	Chromium Chromium, Hexavalent	233 0.24	ug/L mg/L	10.0 0.061	05/11/23 13:41 05/15/23 11:40	



Project: 58117057 MAUTHE

Pace Project No.: 40261708

#### Method: EPA 6010D

Description:6010D MET ICPClient:Terracon, Inc. - MilwaukeeDate:May 15, 2023

#### General Information:

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

#### Hold Time:

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

#### Sample Preparation:

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

#### Initial Calibrations (including MS Tune as applicable):

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

#### **Continuing Calibration:**

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

#### Method Blank:

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

#### Laboratory Control Spike:

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

#### Matrix Spikes:

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

### Additional Comments:



Project: 58117057 MAUTHE

#### Pace Project No.: 40261708

#### Method: SM 3500-Cr B

Description:Chromium, HexavalentClient:Terracon, Inc. - MilwaukeeDate:May 15, 2023

#### **General Information:**

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

#### Hold Time:

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

#### Method Blank:

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

### Laboratory Control Spike:

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

#### Matrix Spikes:

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

#### **Additional Comments:**

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



# ANALYTICAL RESULTS

Project: 58117057 MAUTHE

Pace Project No.: 40261708

Sample: OUTFALL-001	Lab ID:	40261708001	Collected	: 05/04/2	3 07:00	Received: 05/	04/23 14:30 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Method: EPA 6 ytical Services	•		thod: Ef	PA 3010A			
Chromium	233	ug/L	10.0	2.5	1	05/10/23 12:30	05/11/23 13:41	7440-47-3	
Chromium, Hexavalent		Method: SM 35 ytical Services							
Chromium, Hexavalent	0.24	mg/L	0.061	0.018	2.5		05/15/23 11:40		



Project:	58117057 MAUTH	E										
Pace Project No.:	40261708											
QC Batch:	444516		Analy	ysis Metho	od: E	PA 6010D						
QC Batch Method:	EPA 3010A		Anal	ysis Descr	ription: 6	010D MET						
			Labo	oratory:	F	Pace Analyt	ical Servic	es - Green	Bay			
Associated Lab Sar	nples: 40261708	001										
METHOD BLANK:	2551672			Matrix: V	Vater							
Associated Lab Sar	nples: 40261708	001										
			Blai	nk	Reporting							
Parar	neter	Units	Res	ult	Limit	Analy	/zed	Qualifier	S			
Chromium		ug/L		<2.5	10.0	05/11/2	3 13:25					
LABORATORY COI	NTROL SAMPLE:	2551673										
			Spike	LC	CS	LCS	% R	ec				
Parar	neter	Units	Conc.	Re	sult	% Rec	Limi	ts	Qualifiers			
Chromium		ug/L	25	50	258	10;	3 8	30-120		_		
MATRIX SPIKE & M	ATRIX SPIKE DUP	LICATE: 2551	674		2551675							
			MS	MSD								
_		40261821001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	-
Paramete	r Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chromium	ug/L	<2.5	250	250	254	258	101	103	75-125	2	20	

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



Project: 58	3117057 MAUTH	E										
Pace Project No.: 40	0261708											
QC Batch:	444796		Anal	ysis Meth	od:	SM 3500-C	r B					
QC Batch Method:	SM 3500-Cr B		Anal	ysis Desc	ription:	Chromium,	Hexavalen	t by 3500				
			Labo	oratory:	1	Pace Analy	tical Servic	es - Greer	n Bay			
Associated Lab Sample	es: 40261708	001										
METHOD BLANK: 25	553790			Matrix: \	Water							
Associated Lab Sample	es: 40261708	001										
			Bla	nk	Reporting							
Paramet	er	Units	Res	sult	Limit	Anal	yzed	Qualifie	rs			
Chromium, Hexavalent	:	mg/L	<	0.0073	0.02	4 05/15/2	3 11:39					
LABORATORY CONTI	ROL SAMPLE:	2553791										
			Spike	L	.CS	LCS	% R	ec				
Paramet	er	Units	Conc.	Re	esult	% Rec	Limi	ts	Qualifiers			
Chromium, Hexavalent	:	mg/L	0	.3	0.29	9	8 !	90-110				
MATRIX SPIKE & MAT	RIX SPIKE DUP	LICATE: 2553	792		2553793							
			MS	MSD								
		40261882001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chromium, Hexavalent	mg/L	<0.0073	0.3	0.3	3 0.29	0.27	96	91	90-110	6	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.: 40261708

#### 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.



# QUALITY CONTROL DATA CROSS REFERENCE TABLE

 Project:
 58117057 MAUTHE

 Pace Project No.:
 40261708

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40261708001	OUTFALL-001	EPA 3010A	444516	EPA 6010D	444627
40261708001	OUTFALL-001	SM 3500-Cr B	444796		

(Please Print Clearly)						Page 1 of
Company Name: Torracon		Anakd	ical <sup>®</sup>	MN: 612-607-1700	WI: 920-469-2436	10261708 .
Branch/Location: Cudahy			Cal			10201108 ·
Project Contact: Scott Hodgson	] /	nnn paocoa			Quote #:	
Phone: 414-209-7640		<b>IN O</b>	F CUSTO	DY	Mail To Contact:	CAME
Project Number: 58/17057	A=None B=HCL C=I		rvation Codes IO3 E=DI Water F=Metha	inol G≂NaOH	Mail To Company:	TAME
Project Name: Mauthe	H=Sodium Bisulfate Solution		lium Thiosulfate J=Other		Mail To Address:	]
Project State: WI	FILTERED? (YES/NO)	NN	/		4	
Sampled By (Print): Dave Hassman	PRESERVATION Pick	DA			Invoice To Contact:	
Sampled By (Sign)	Sta . 15				Invoice To Company:	
PO #		Abranica, b. in.	-		Invoice To Address:	
Program:	trix Codes	L Unamian Chamian			involue no Addressi	
(billable)	W = Water DW = Drinking Water					N/
$\Box = PA \text{ Level III} $ (billable) C = Charcoal $\Box = PA \text{ Level IV} $ $\Box = NOT \text{ needed on } O = Oil$	GW = Ground Water SW = Surface Water				Invoice To Phone:	<u> </u>
	trix Codes W = Water DW = Dnnking Water GW = Ground Water SW = Surface Water WP = Wipe <u>LECTION</u> MATRIX	Total			CLIENT COMMENTS	LAB COMMENTS Profile #
DAIL	TIME Comment (MS	1-250 1-2				
001 OUTFALL-001 5-42		1-1 0 1-1	<u></u>			
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(Rush TAT subject to approval/surcharge)	ngushed Br.	5-Y-	Date/Time )ろ	Received By	Pare 5/4/23	PACE Project No.
Date Needed: Transmit Prelim Rush Results by (complete what you want):	nquished By:	Dars 5	PaterTime 1430	Received By.	Date Time	3/430
	nquished By	int /	Date/Time.	Received By.	Key Date/Time	Receipt Temp = 2 : 0°
Email #2:	nguebod Pu		Data/Timo:	Received By.	Date/Time	Sample Receipt pH OK / Adjusted
Telephone: Rein Fax:	nquished By.		Date/Time <sup>.</sup>		Daternine	Cooler Custody Seal
Samples on HOLD are subject to Reli	nquished By		Date/Time	Received By	Date/Time	Present / Not Present Intact PROFINTACE 15

DC#\_Title: ENV-FRM-GBAY-0035 v03\_Sample Preservation Receipt Form Effective Date: 8/16/2022

		t Na iers n		prese	Tervatic	on ha	ve be	a (	Lab	り and n Lot# c			9	Sam	Proj	Pres ect # □№	ŧ		<u>4</u>	ceipt	617	108		usted):						tial wh			Date/ Time:	
Pace Lab #	AG1U	BG1U	AG1H	Glass <b>Gd</b> S	AG5U	AG2S	BG3U	BP1U	BP3U	Plast 8Ed	ic BP3N	BP3S	BP2Z	<b>VG9C</b>	DG9T	Via NG9N	als H6DA	VG9M	VG9D	JGFU	JG9U	ars NGFU	WPFU	SP5T	Gen ZPLC	eral F NS	GN 2	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH atter adjusted	Volume (mL)
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Excepti	ons to	preser	vation	check:	VOA	Coli	isym,	TOC,	, тох,	тон,	0&G,	WID	RO, P	henoli	cs, Ot	h <u>er:</u>				-	Hea	idspac	ce in V	/OA Vi	als (>	6mm)	: 🗆 Ye	es □I	No 🗖	N/A	*lf ye	es look	c in hea	dspace colum
AG1U	1 lite	r am	ber gl	ass			B	P1U	1 lite	r plas	tic un	ores				Ve	39C	40 m	nL cle	ar asc	orbic	w/ HC		T JO	FU	4 oz	ambe	r iar i	unpres	3			1	
BG1U								P3U	250	mL pla	astic (	Inpres				DC	39T	40 m	nL am	ber N	a Thio	)		JC	39U	9 oz	ambe	r jar i	unpres					
AG1H						74		P3B				VaOH					9U			ar vial					GFU	4 oz								
AG4S AG5U								P3N P3S				1NO3 12SO					39H 39M			ar vial ar vial					PFU P5T				unpres Na Th		ato		1	
AG2S	500	mL a	mber	glass	H2SC	D4		P2Z				VaOH					59D			ar vial		11			PLC		c bag		110 111	Josuli				
BG3U	250	mL cl	lear g	ass u	npres	3	<u> </u>			<u> </u>															N 1								l	
																								G	N 2								<b>P</b> a	age <u>1</u> of

2

Sample	Condition	Upo	n Receipt For	m (SCUR)	
Client Name: <u>Terraco</u> Courier: □ CS Logistics □ Fed Ex □ Speede □ Client □ Pace Other: Tracking #: Custody Seal on Cooler/Box Present: □ yes □ Custody Seal on Samples Present: □ yes □ Packing Material: □ Bubble Wrap □ Bubble	e UPS Xno Seals no Seals	intact:			40261708 
Thermometer Used     SR -     II7       Cooler Temperature     Uncorr:     II5     /Corr:       Temp Blank Present:     F yes     ✓ no       Temp should be above freezing to 6°C.     Biota Samples may be received at ≤ 0°C if shipped on Dr	Type of Ice L. Biolo	: <b>O</b> t	Blue Dry None	└ Meltwater ( └ yes └ no	Doly Person examining contents: 05/04/23 /Initials: Date: Labeled By Initials:
Chain of Custody Present:	Yes 🗆 No	□n/A	1.		
Chain of Custody Filled Out:	ZYes □No	□n/A	2.		201-10 - 10 <sup>1-10</sup> -10 <sup></sup>
Chain of Custody Relinquished:	Ø Yes □No	□n/a	3.		_
Sampler Name & Signature on COC:	Yes DNo	□n/A	4.		
Samples Arrived within Hold Time:			5.	<u> </u>	
- DI VOA Samples frozen upon receipt	, □Yes □No		Date/Time:		
Short Hold Time Analysis (<72hr):			6.		
Rush Turn Around Time Requested:			7.		
Sufficient Volume:			8.		
	:□Yes Invo		0.		
Correct Containers Used:			9.		
Correct Type: Pace Green Bay, Pace IR, Non-Pace	<u> </u>				
Containers Intact:	Yes 🗆 No		10.		
-iltered volume received for Dissolved tests	□Yes □No		11.	<del> </del>	
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix:		□n/a	12.		
Frip Blank Present:	□Yes □No		13.		
Frip Blank Custody Seals Present	□Yes □No	• .			
Pace Trip Blank Lot # (if purchased):	-	/			
Client Notification/ Resolution: Person Contacted: Comments/ Resolution:		_Date/	<b>F</b> !	checked, see attacl	ned form for additional comments

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

Page\_2\_of



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

June 20, 2023

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

RE: Project: MAUTHE Pace Project No.: 40263261

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on June 07, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network: • Pace Analytical Services - Green Bay

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

Sincerely,

Day Milery

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: MAUTHE Pace Project No.: 40263261

#### Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064 North Dakota Certification #: R-150 South Carolina Certification #: 83006001 Texas Certification #: T104704529-21-8 Virginia VELAP Certification ID: 11873 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-21-00008 Federal Fish & Wildlife Permit #: 51774A



# SAMPLE SUMMARY

Project: Pace Project No	MAUTHE			
Lab ID	Sample ID	Matrix	Date Collected	Date Received
40263261001	OUTFALL-001	Water	06/07/23 07:10	06/07/23 15:55



Project:

# SAMPLE ANALYTE COUNT

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
	_ <u>_ · · · · · · · · · · · · · · · · · ·</u>				-
40263261001	OUTFALL-001	EPA 6010D	SIS	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		SM 3500-Cr B	SRK	1	PASI-G
		EPA 335.4	DAW	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

MAUTHE



# SUMMARY OF DETECTION

Project: Pace Project No.:	MAUTHE 40263261					
Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40263261001	OUTFALL-001					
EPA 6010D SM 3500-Cr B	Chromium Chromium, Hexavalent	182 0.17	ug/L mg/L	10.0 0.061	06/12/23 14:16 06/08/23 14:16	



Project: MAUTHE Pace Project No.: 40263261

# Method: EPA 6010D

Description:6010D MET ICPClient:Terracon, Inc. - MilwaukeeDate:June 20, 2023

### General Information:

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

#### Hold Time:

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

#### Sample Preparation:

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

#### Initial Calibrations (including MS Tune as applicable):

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

#### **Continuing Calibration:**

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

#### Method Blank:

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

#### Laboratory Control Spike:

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

#### Matrix Spikes:

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

### Additional Comments:



Project: MAUTHE Pace Project No.: 40263261

Method:EPA 7470Description:7470 MercuryClient:Terracon, Inc. - MilwaukeeDate:June 20, 2023

#### **General Information:**

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

#### Hold Time:

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

#### Sample Preparation:

The samples were prepared in accordance with EPA 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: MAUTHE Pace Project No.: 40263261

# Method: SM 3500-Cr B

Description:Chromium, HexavalentClient:Terracon, Inc. - MilwaukeeDate:June 20, 2023

### **General Information:**

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

#### Hold Time:

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

#### Method Blank:

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

# Laboratory Control Spike:

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

### Matrix Spikes:

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

#### Additional Comments:



Project: MAUTHE Pace Project No.: 40263261

### Method: EPA 335.4

Description:335.4 Cyanide, TotalClient:Terracon, Inc. - MilwaukeeDate:June 20, 2023

#### **General Information:**

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

#### Hold Time:

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

#### Sample Preparation:

The samples were prepared in accordance with EPA 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.

#### 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

Proj	ect:		MAUTHE
-	_		

Pace Project No.: 40263261

Sample: OUTFALL-001	Lab ID:	40263261001	Collected	d: 06/07/23	3 07:10	Received: 06/	07/23 15:55 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Method: EPA 6	•		hod: E	PA 3010A			
	Pace Anal	ytical Services	- Green Bay	y					
Arsenic	<8.3	ug/L	25.0	8.3	1	06/09/23 08:10	06/12/23 14:16	7440-38-2	
Cadmium	<1.3	ug/L	5.0	1.3	1	06/09/23 08:10	06/12/23 14:16	7440-43-9	
Chromium	182	ug/L	10.0	2.5	1	06/09/23 08:10	06/12/23 14:16	7440-47-3	
Copper	<3.4	ug/L	10.0	3.4	1	06/09/23 08:10	06/12/23 14:16	7440-50-8	
Lead	<5.9	ug/L	20.0	5.9	1	06/09/23 08:10	06/12/23 14:16	7439-92-1	
Nickel	<2.6	ug/L	10.0	2.6	1	06/09/23 08:10	06/12/23 14:16	7440-02-0	
Zinc	<11.6	ug/L	40.0	11.6	1	06/09/23 08:10	06/12/23 14:16	7440-66-6	
7470 Mercury	Analytical	Method: EPA 7	470 Prepai	ration Methe	od: EP/	A 7470			
	Pace Anal	ytical Services	- Green Ba	y					
Mercury	<0.066	ug/L	0.20	0.066	1	06/12/23 08:10	06/13/23 07:49	7439-97-6	
Chromium, Hexavalent	Analytical	Method: SM 35	500-Cr B						
	Pace Anal	ytical Services	- Green Ba	y					
Chromium, Hexavalent	0.17	mg/L	0.061	0.018	2.5		06/08/23 14:16		
335.4 Cyanide, Total	Analytical	Method: EPA 3	35.4 Prepa	ration Meth	nod: EP	A 335.4			
•	-	ytical Services							
Cyanide	<0.0069	mg/L	0.023	0.0069	1	06/20/23 10:05	06/20/23 11:36	57-12-5	



- <b>j</b>	UTHE											
Pace Project No.: 40	263261											
QC Batch: 4	47090		Anal	/sis Metho	od:	EPA 7470						
QC Batch Method: E	PA 7470		Analy	/sis Descr	iption:	7470 Mercu	ry					
			Labo	ratory:		Pace Analyt	cal Service	es - Green	Bay			
Associated Lab Sample	es: 402632610	01										
METHOD BLANK: 25	66471			Matrix: V	Vater							
Associated Lab Sample	es: 402632610	01										
			Blai	nk	Reporting							
Paramete	er	Units	Res	ult	Limit	Analy	zed	Qualifier	S			
Mercury		ug/L		<0.066	0.2	0 06/13/23						
LABORATORY CONTR	OL SAMPLE:	2566472										
			Spike	L	CS	LCS	% Re	ec				
Paramete	er	Units	Conc.	Re	sult	% Rec	Limi	ts (	Qualifiers			
Mercury		ug/L		5	4.8	95	5 8	35-115				
MATRIX SPIKE & MATE		_ICATE: 2566	473		2566474							
			MS	MSD	200011							
		40263388001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Mercury	ug/L	<0.066	5	5	4.8	4.9	96	98	85-115	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.



Project: MAUTHE Pace Project No.: 40263261

QC Batch:	447030	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D MET
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Sam	nples: 40263261001		

Matrix: Water

### METHOD BLANK: 2565744

Associated Lab Samples: 40263261001

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Arsenic	ug/L	<8.3	25.0	06/12/23 14:13	
Cadmium	ug/L	<1.3	5.0	06/12/23 14:13	
Chromium	ug/L	<2.5	10.0	06/12/23 14:13	
Copper	ug/L	<3.4	10.0	06/12/23 14:13	
Lead	ug/L	<5.9	20.0	06/12/23 14:13	
Nickel	ug/L	<2.6	10.0	06/12/23 14:13	
Zinc	ug/L	<11.6	40.0	06/12/23 14:13	

### LABORATORY CONTROL SAMPLE: 2565745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	238	95	80-120	
Cadmium	ug/L	250	258	103	80-120	
Chromium	ug/L	250	257	103	80-120	
Copper	ug/L	250	255	102	80-120	
Lead	ug/L	250	263	105	80-120	
Nickel	ug/L	250	265	106	80-120	
Zinc	ug/L	250	260	104	80-120	

MATRIX SPIKE & MATRIX	SPIKE DUPL	ICATE: 2565	746 MS	MSD	2565747							
Parameter	Units	40263261001 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	<8.3	250	250	243	234	97	94	75-125	4	20	
Cadmium	ug/L	<1.3	250	250	257	248	103	99	75-125	4	20	
Chromium	ug/L	182	250	250	441	425	103	97	75-125	4	20	
Copper	ug/L	<3.4	250	250	257	246	102	98	75-125	4	20	
Lead	ug/L	<5.9	250	250	260	248	104	99	75-125	5	20	
Nickel	ug/L	<2.6	250	250	259	248	103	99	75-125	4	20	
Zinc	ug/L	<11.6	250	250	254	245	100	97	75-125	3	20	

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

# **REPORT OF LABORATORY ANALYSIS**

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Project: MAUTHE											
Pace Project No.: 40263261											
QC Batch: 446955		Analysi	s Method	l: S	M 3500-Cr	В					
QC Batch Method: SM 3500-Cr B		Analysi	s Descrip	otion: C	hromium, l	-lexavalent	by 3500				
		Laborat	tory:	Р	ace Analyt	cal Service	es - Green	Bay			
Associated Lab Samples: 40263261	001										
METHOD BLANK: 2565234		М	atrix: Wa	ater							
Associated Lab Samples: 40263261	001										
		Blank	F	Reporting							
Parameter	Units	Result		Limit	Analy	zed	Qualifier	S			
Chromium, Hexavalent	mg/L	<0.0	0073	0.024	06/08/23	3 14:15					
LABORATORY CONTROL SAMPLE:	2565235										
	2000200	Spike	LC	S	LCS	% Re	ec				
Parameter	Units	Conc.	Res	ult	% Rec	Limit	ts (	Qualifiers			
Chromium, Hexavalent	mg/L	0.3		0.29	97	, <u> </u>	90-110		_		
MATRIX SPIKE & MATRIX SPIKE DUP	LICATE: 2565	236		2565237							
MATRIX SPIKE & MATRIX SPIKE DUP		MS	MSD								
MATRIX SPIKE & MATRIX SPIKE DUP Parameter Units	40263270009	MS I Spike S	MSD Spike Conc.	2565237 MS Result	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.



Project: Pace Project No.:	MAUTHE 40263261											
QC Batch:	447710		Analy	/sis Metho	4.	EPA 335.4						
QC Batch Method:	EPA 335.4			/sis Netrio /sis Descri		335.4 Cyan	ido. Totol					
QC Batch Method.	LFA 333.4			ratory:		Pace Analy	-	Croop	Pov			
Associated Lab Sam	nples: 40263261	001	Labo	latory.		Face Analy		es - Gieen	Day			
METHOD BLANK:	2570687			Matrix: W	ater							
Associated Lab Sam	ples: 40263261	001										
			Blar	nk	Reporting							
Param	neter	Units	Res		Limit	Anal	yzed	Qualifier	S			
Cyanide		mg/L	<	0.0069	0.02	.3 06/20/2	3 11:24					
LABORATORY CON	ITROL SAMPLE:	2570688	Spike	LC	S	LCS	% Re	ec				
Param	neter	Units	Conc.	Res	sult	% Rec	Limit	ts (	Qualifiers			
Cyanide		mg/L	0	.1	0.094	9	4 9	90-110		_		
MATRIX SPIKE & M	ATRIX SPIKE DUP	LICATE: 2570	689 MS	MSD	2570690	)						
		40263423001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Cyanide	mg/L	<0.014	0.2	0.2	0.19	0.20	93	97	90-110	4	20	
MATRIX SPIKE & M	ATRIX SPIKE DUP	LICATE: 2570	691		2570692	2						
			MS	MSD								
		40263644001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Cyanide	mg/L	<0.041	0.6	0.6	0.67	0.63	109	104	90-110	5	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: MAUTHE Pace Project No.: 40263261

#### DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

DL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

**RPD** - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.



# QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MAUTHE Pace Project No.: 40263261

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40263261001	OUTFALL-001	EPA 3010A	447030	EPA 6010D	447151
40263261001	OUTFALL-001	EPA 7470	447090	EPA 7470	447164
40263261001	OUTFALL-001	SM 3500-Cr B	446955		
40263261001	OUTFALL-001	EPA 335.4	447710	EPA 335.4	447759

CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields												LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here 40263261											
Company:			Billing Information:							ALL SHADED AREAS are for LAB USE ONLY													
Address: 49005 Prove	ylvenia	Ar		Container Preservative Type ** Lab Project Manager:											,	ىنى و بەر							
Report To: Scott Hud	eson		Email To: Site Collection Info/Address:								** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfaté, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other												
Customer Project Name/Number:			State: County/City: Time Zone Collected:							C) ammonium hydroxide, (D) ISP, (D) Unpreserved, (D) Other												······	
Phone: Email:						[ ] PT [ ] MT [ ] CT [ ] ET Compliance Monitoring? [ ] Yes [ ] No							h gi	, • •		ar ar		Custod Collec	y Signatu tor Signat	resent/Int res Preser ture Prese	t YNI		
Collected By (print): Dave Hassman	Purchase Orde Quote #:	er #:			DW PWS I DW Locat		5, 60							. *		Correc Suffic	s Intact t Bottles ient Volum s Received		Y N Y N Y N	IA IA IA			
Collected By (signature):	Turnaround Da	ate Requir	ed:		Immediate		4 5	्ह	n N National S	•	- 4  	*		a.		VOA - USDAAR	Headspace	Acceptabl Soils	y h d				
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	[]2 Day [				Field Filtered (If applicable): [ ] Yes [ ] No Analysis:				Mercu.	hromh	k.					2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	4	Sample pH Str Sulfid	pH Accept ips; Present	$\gamma_{}$	YN YN I	1 1 3 1 4	
		Air (AR), Ti	r (DW), Ground Water (GW), Wastewater (WW), Fissue (TS), Bioassay (B), Vapor (V), Other (OT)							() X	an i e	,	r , dation	,	ngtu.	37~. 1	- 1 * #	Lead 🖉	E ONLY:	rips:		<b>1</b> • • •	
Customer Sample ID	Matrix *	Comp / Grab		ted (or ate Start) Time	Composite End Ci Date Time			# of Ctns	Tot. (	4	54	e.				4 54		Lad Sa	mpie # <sub>est</sub> / (	Comments:	· 'Au ,		
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Customer Remarks / Special Condit	l ions / Possible I	l łazards:	Type of Ice Used: Wet Blue Dry None Packing Material Used:							SHORT HOLDS PRESENT (<72 hours):											<sup>≪</sup> NA <sup>™</sup> — oC		
Delignuide ad hu/Communication			Radchem		Samples received via: FEDEX UPS Client Courier Pace Courier Cooler Corrected Temp:										Factor:	0C							
	accn	6								Table #:													
Relinquished by/Company: (Signatu			e/Time: 2/Time: 1/23 \		Pare Pare Trip Blank Received: Y N HCL MeOH TSP Othe											NA /							
Relinquished by/Company: (Signatu	ture) PC	Date/Time:         PM:         Non Conformance(s):         Page:           Out         6         7/23         555         PB:         YES / NO         of:																					

DC#\_Title: ENV-FRM-GBAY-0035 v03\_Sample Preservation Receipt Form Effective Date: 8/16/2022

Client Name: <u>The Constant of preservation area below.</u> All containers needing preservation have been checked and noted below. Lab Lot# of pH paper: )ODO723 Lab Std #ID of preservation (if pH adjusted): Sample Preservation Receipt Form Project # <u>402/032/01</u> DN/A Initial when the Date/ completed: All Completed: Time																																		
				Glass	5				Plastic							Via	als				Jars				General			(>6mm) *	pH ≤2	laOH+Zn Act pH ≥9	H ≥12	H ≤2	adjusted	Volume
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	<b>BP3N</b>	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2	VOA Vials	H2SO4 p	NaOH+Zn	иаОН рН	HNO3 pH	pH after a	(mL)
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003																a 19 4 (27 -				ļ						<b>_</b>				1.38		100		2.5/5
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Excepti					VOA	, Colit	-		-				RO, P	henoli	ics, Ol					-						6mm)					*lf ye	s look	in hea 1	dspace colum
AG1U								P1U			stic un					VG9C 40 mL clear ascorbic w/ HCl								JGFU 4 oz amber jar unpres										
BG1U AG1H					ICI			P3U P3B				unpre NaOH				DG9T 40 mL amber Na Thio VG9U 40 mL clear vial unpres							_	JG9U 9 oz amber jar unpres WGFU 4 oz clear jar unpres										
AG4S						04		P3N				HNO3					VG9H 40 mL clear vial HCL								WPFU 4 oz plastic jar unpres									
AG5U	100	mL a	mber	glass	unpr	es		P3S	250	mL p	lastic	H2SO	4				VG9M 40 mL clear vial MeOH								P5T									
AG2S	AG2S 500 mL amber glass H2SO4 BP2Z 500 mL plastic NaOH + Zn										VG9D 40 mL clear vial DI								j zi	PLC	zıplo	c bag					I							

BG3U 250 mL clear glass unpres

GN 1

GN 2

DC#\_Title: ENV-FRM-GBAY-0014 v03\_SCUR Effective Date: 8/17/2022

	Project #:									
Client Name: Terra Con	WO#:40263261									
Courier: CS Logistics Fed Ex Speedee UPS V										
☐ Client										
Tracking #:	40263261									
Custody Seal on Cooler/Box Present: I yes I no Seals intact	: 🗖 yes 📈no									
Custody Seal on Samples Present: Lyes X no Seals intact	: 🗖 yes 🕅 no									
Packing Material: 🔲 Bubble Wrap 🔲 Bubble Bags 🕅 Non	e 🔲 Other									
Thermometer Used <u>SR - 129</u> Type of Ice. Wet										
Cooler Temperature Uncorr: 40 /Corr. 4,0	Person examining contents:									
	Tissue is Frozen: Desci no Date: 67/23/Initials									
Temp should be above freezing to $6^{\circ}$ C. Biota Samples may be received at $\leq 0^{\circ}$ C if shipped on Dry Ice.	Labeled By Initials:									
Chain of Custody Present:	1.									
Chain of Custody Filled Out: □Yes 🔊 □N/A	2. No Billing Indo, 6/7/23. ART.									
Chain of Custody Relinquished:	3.									
Sampler Name & Signature on COC:	4.									
Samples Arrived within Hold Time: Kares ⊡No	5.									
- DI VOA Samples frozen upon receipt	Date/Time:									
Short Hold Time Analysis (<72hr):	6.									
Rush Turn Around Time Requested:	7.									
Sufficient Volume:	8.									
For Analysis: 🖉 Yes 🗆 No 🛛 MS/MSD: 🗆 Yes 🗖 🖉 🗆 N/A										
Correct Containers Used:	9.									
Correct Type: Pace Green Bay, Pace IR, Non-Pace										
Containers Intact:	10.									
Filtered volume received for Dissolved tests	11.									
Sample Labels match COC:	12.									
-Includes date/time/ID/Analysis Matrix:										
Trip Blank Present: □Yes ØNo □N/A	13.									
Trip Blank Custody Seals Present □Yes 🗤 □N/A										
Pace Trip Blank Lot # (if purchased):										
Client Notification/ Resolution:	If checked, see attached form for additional comments									
Person Contacted: Date/Time:										
Comments/ Resolution:										
	i									

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

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