United Water Environmental Services Inc.
1111 Nantasket Avenue
Hull, MA 02045-1313
Phone: (781) 925-0906

September 9, 2014

Department of Environmental Protection
Southeast Regional Office
Bureau of Resource Protection
20 Riverside Drive
Lakeville, Ma 02347

Attn: Mr. David Burns

RE: August 2014 Discharge Monitoring Report for the Hull, MA Water Pollution Control Facility, Permit NO.MA0101231, Discharge No 001

Dear Mr. Burns:

Attached is the Discharge Monitoring Report for the month of August 2014, for the Hull Wastewater Treatment Facility (WWTF). There were no exceedences for the month.

If you have any questions regarding the monthly activity at the Hull Treatment facility or need additional information please contact me at (781) 925-0906.

Very truly yours,

Teresa O'Callaghan

Teresa O'Callaghan, United Water

Cc: Jim Dow, Chief Facility Manager

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

Name HULL W P C F

Address 1111 NANTASKET AVE
HULL MA 02045

Facility HULL W P C F

Location HULL MA 02045

Attn: JOHN J STRUZZIERY CHRMN COMM

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

MA0101231	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	14	08	01	TO	14	08	31

MAJOR
(SUBR E)
F- FINAL
TREATED SANITARY WASTEWATE

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	83	147	LBS/DY	7	13	13	mg/L	0	1/7	24
	PERMIT REQUIREMENT	768 MO AVG	1,152 WKLY AVG	LBS/DY	30 MO AVG	45 WKLY AVG	50 DAILY MX	mg/L		WEEKLY	COMP 24
BOD, 5-DAY (20 DEG. C) 00310 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	2,764	******	LBS/DY	245	******	******	mg/L	0	1/7	24
	PERMIT REQUIREMENT	REPORT MO AVG	******	LBS/DY	REPORT MO AVG	******	******	mg/L		WEEKLY	COMP 24
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	****	6.50	******	6.90	SU	0	1/7	GR-4
	PERMIT REQUIREMENT	******	******	****	6.5 MINIMUM	******	8.5 MAXIMUM	SU		WEEKLY	GRAB-4
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	124	237	LBS/DY	11	21	21	mg/L	0	1/7	24
	PERMIT REQUIREMENT	768 MO AVG	1,152 WKLY AVG	LBS/DY	30 MO AVG	45 WKLY AVG	50 DAILY MX	mg/L		WEEKLY	COMP 24
SOLIDS, TOTAL SUSPENDED 00530 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	4,485	******	LBS/DY	398	******	******	mg/L	0	1/7	24
	PERMIT REQUIREMENT	REPORT MO AVG	******	LBS/DY	REPORT MO AVG	******	******	mg/L		WEEKLY	COMP 24
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1.55	3.200	MGD	******	******	******	****	0	99/99	RC
	PERMIT REQUIREMENT	3.07 12 MO AVG	DAILY MX	MGD	******	******	******	****		CONTINUOUS	RCORDR
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 0 0 See Comments	SAMPLE MEASUREMENT	******	******	****	1.35	******	******	MGD	0	1/7	GR
	PERMIT REQUIREMENT	******	******	****	REQ MO AVG	******	******	MGD		WEEKLY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Teresa O'Callaghan James Dow, Chief Facility Manager	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance 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.		781	925-1207	14	09	08
TYPED OR PRINTED		SIGNATURE OF PRICIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPANATION OF ANY VIOLATIONS (Reference all attachments here)

REPORT MAXIMUM AND MINIMUM DAILY FLOW RATES AND TOTAL FLOW FOR EACH OPERATING DAY WITH DMR EACH MONTH

WET DATA ON DMR 001B

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

Name HULL W P C F

Address 1111 NANTASKET AVE
HULL MA 02045

Facility HULL W P C F

Location HULL MA 02045

Attn: JOHN J STRUZZIERY CHRMN COM

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR MAJOR

OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
MA0101231	001 A

(SUBR E)
F- FINAL
TREATED SANITARY WASTEWATER

*** NO DISCHARGE [ ] ***

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	14	08	01	TO	14	08	31

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Chlorine, Total Residual	SAMPLE MEASUREMENT	******	******	******	0.24	******	0.54	mg/L	0	03/01	GR
50060 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	******	******	******	0.7 MO AVG	******	1 DAILY MAX	mg/L		THREE PER DAY	GRAB
ENTEROCOCCI	SAMPLE MEASUREMENT	******	******	******	<10	******	<10	CFU/100 ml	0	1/7	GR
61211 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	******	******	******	35 MO AVG	******	276 DAILY MAX	CFU/100 ml		WEEKLY	GRAB
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	******	******	******	<10	******	<10	#/100 ml	0	1/7	GR
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	******	88 MO GEO	******	260 DAILY MX	#/100 ml		WEEKLY	GRAB
BOD, 5-DAY PERCENT REMOVAL	SAMPLE MEASUREMENT	******	******	******	97	******	******	%	0	1/30	CA
81010 K 0 0 PERCENTREMOVAL	PERMIT REQUIREMENT	******	******	******	85 MO AVG	******	******	PER-CENT		ONCE/ MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVA	SAMPLE MEASUREMENT	******	******	******	97	******	******	%	0	1/30	CA
81011 K 0 0 PERCENTREMOVAL	PERMIT REQUIREMENT	******	******	******	85 MO AVG	******	******	PER-CENT		ONCE/ MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance 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.		TELEPHONE		DATE		
Teresa O'Callaghan James Dow, Chief Facility Manager			781	925-1207	14	09	08
TYPED OR PRINTED		SIGNATURE OF PRICIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPANATION OF ANY VIOLATIONS (Reference all attachments here)

REPORT MAXIMUM AND MINIMUM DAILY FLOW RATES AND TOTAL FLOW FOR EACH OPERATING DAY WITH DMR EACH MO

WET DATA ON DMR 001B

United Water Environmental Services
1111 Nantasket Avenue
Hull, Ma 02045-1313
Tel # 781-925-0906
Fax # 781-925-3056

Mr. David Burns
Department of Environmental Protection
Southeast Regional Office
Bureau of Resource Protection
20 Riverside Drive
Lakeville, MA 02347

Enclosed is the 2014 staffing plan for the Hull, MA Wastewater Treatment Facility:

Teresa O'Callaghan	Plant Manager, MA Grade 7, #3607, Expires 12-31-2015
Michael Taylor	Chief Operator, MA Grade 6, # 12524, Expires 12-31-2015
Kevin Stetson	Asst. Plant Manager, MA Grade 6, #17087R expires 12-31-2015
Paul Tarbox	Operator/ Maintenance, MA Grade 4, #15282, Expires 12-31-2015
Joseph Basler	Operator/ Laboratory, MA Grade 3, #15259, Expires 12-31-15
Eric Sutton	Operator/Laboratory, MA Grade 2, #16529, Expires 12-31-15
Charles Antoine	Operator/ Maintenance

Facility is staffed 7 days per week, 7 AM to 3:30 PM with one operator on call at all times.

Sincerely;

Teresa O'Callaghan
Plant Manager
United Water

United Water

Hull Wastewater Treatment Plant Operations Data

August, 2014

		2 - FINE BAR RACK ON/OFF ON/OFF	3 - GRIT CHAMBER ON/OFF ON/OFF	4 - GRIT CLASSIFIER ON/OFF ON/OFF	5 - PRI CLAR #1 ON/OFF ON/OFF	6 - PRI CLAR #2 ON/OFF ON/OFF	7 - AT #1 ON/OFF ON/OFF	8 - AT #2 ON/OFF ON/OFF	9 - AT #3 ON/OFF ON/OFF	10 - AT #4 ON/OFF ON/OFF	11 - SEC CLAR #1 ON/OFF ON/OFF	12 - SEC CLAR #2 ON/OFF ON/OFF	13 - CL2 BASIN #1 ON/OFF ON/OFF	14 - CL2 BASIN #2 ON/OFF ON/OFF	15 - GRAVITY THICK #1 ON/OFF ON/OFF
Fri	01	On	On	On	On	Off	On	Off	On	Off	On	On	On	on	Off
Sat	02	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Sun	03	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Mon	04	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Tue	05	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Wed	06	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Thu	07	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Fri	08	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Sat	09	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Sun	10	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Mon	11	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Tue	12	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Wed	13	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Thu	14	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Fri	15	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Sat	16	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Sun	17	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Mon	18	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Tue	19	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Wed	20	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Thu	21	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Fri	22	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Sat	23	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Sun	24	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Mon	25	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Tue	26	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Wed	27	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Thu	28	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Fri	29	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Sat	30	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
Sun	31	On	On	On	On	Off	On	Off	On	Off	On	On	On	On	Off
MIN		-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAX		-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVG		-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM		-	-	-	-	-	-	-	-	-	-	-	-	-	-

		16 - GRAVITY THICK #2 ON/OFF ON/OFF	17 - SLUDGE TANK #1 ON/OFF ON/OFF	18 - SLUDGE TANK #2 ON/OFF ON/OFF	19 - RST ON/OFF ON/OFF	20 - RAINFALL inches	25 - MIN AIR TEMP DEG F	24 - MAX AIR TEMP DEG F	26 - LBS GRIT REMOVED LBS	27 - CUFT SCREENINGS CUFT	30 - INF TSS (Report) MG/L	32 - INF BOD (Report) MG/L	34 - INF FLOW MGD	40 - INFLUENT Q MINIMUM MGD	41 - INFLUENT Q MAXIMUM MGD
Fri	01	On	On	On	Off	0.00	66	81					3.577	0.000	4.700
Sat	02	On	On	On	Off	0.11	62	73					5.110	0.000	4.600
Sun	03	On	On	On	Off	0.00	62	72					2.665	0.000	4.700
Mon	04	On	On	On	Off	0.00	63	81					4.079	0.000	4.600
Tue	05	On	On	On	On	0.00	69	83					3.546	0.000	4.600
Wed	06	On	On	On	On	0.00	71	82					3.562	0.000	4.700
Thu	07	On	On	On	Off	0.00	65	78			350	330	3.460	0.100	4.600
Fri	08	On	On	On	On	0.00	61	83					3.818	0.000	4.800
Sat	09	On	On	On	Off	0.00	66	77					4.516	0.000	4.700
Sun	10	On	On	On	Off	0.00	67	80					4.670	0.000	4.800
Mon	11	On	On	On	On	0.00	65	84					4.465	0.000	4.800
Tue	12	On	On	On	Off	0.00	65	81					4.644	0.000	4.700
Wed	13	On	On	On	Off	0.91	64	70					4.919	0.000	4.700
Thu	14	On	On	On	Off	0.00	63	75			390	170	4.642	0.000	4.600
Fri	15	On	On	On	On	0.01	61	76					4.096	0.000	4.600
Sat	16	On	On	On	On	0.00	61	79					4.557	0.000	4.600
Sun	17	On	On	On	Off	0.00	64	79					4.488	0.000	4.600
Mon	18	On	On	On	Off	0.00	63	78					3.893	0.000	4.600
Tue	19	On	On	On	Off	0.00	59	73					3.878	0.000	4.600
Wed	20	On	On	On	On	0.00	60	74					3.774	0.000	4.800
Thu	21	On	On	On	Off	0.08	61	72			310	200	3.959	0.000	4.700
Fri	22	On	On	On	Off	0.00	63	73					3.846	0.000	4.700
Sat	23	On	On	On	Off	0.00	60	72					4.001	0.000	4.700
Sun	24	On	On	On	On	0.00	62	75					4.001	0.000	4.700
Mon	25	On	On	On	On	0.00	66	83					3.676	0.000	4.700
Tue	26	On	On	On	Off	0.00	65	85					3.617	0.000	4.800
Wed	27	On	On	On	On	0.02	65	91					3.351	0.000	4.700
Thu	28	On	On	On	Off	0.00	66	81			540	280	3.221	0.000	4.700
Fri	29	On	On	On	Off	0.00	60	71					3.515	0.000	4.700
Sat	30	On	On	On	Off	0.00	58	79					3.802	0.000	4.600
Sun	31	On	On	On	Off	0.54	67	85					3.437	0.000	4.700
MIN		-	-	-	-	0.00	58	70			310	170	2.665	0.000	4.600
MAX		-	-	-	-	0.91	71	91			540	330	5.110	0.100	4.800
AVG		-	-	-	-	0.05	64	78			398	245	3.961	0.003	4.681
SUM		-	-	-	-	1.67	1,970	2,426			1,590	980	122.785	0.100	145.100

	44 - PRI TSS MG/L	46 - PRI BOD MG/L	62 - PRI #1 BLANKET FT	63 - PRI #2 BLANKET FT	77 - MLS SVI MG/L	78 - MLSS 5 MIN SET MIN	80 - MLSS 30 MIN SET 30 MIN	81 - MLSS 60 MIN SET MIN	83 - MLSS MG/L	84 - RAS TSS MG/L	86 - RAS FLOW MGD	96 - SEC #1 BLANKET FT	97 - SEC #2 BLANKET FT	101 - WAS TSS THCK MG/L
Fri 01			0.5		317	1,000	900	820	2,838	4,182	2.2180	8.0	2.0	13,136
Sat 02			0.0		385	1,000	900	850	2,336	4,098	2.2090	6.0	3.0	7,164
Sun 03			0.0		318	950	750	700	2,354	3,620	2.1910	4.0	1.0	5,828
Mon 04			0.6		268	980	900	800	3,353	4,062	2.1370	5.0	1.0	13,870
Tue 05			1.0		421	1,000	970	950	2,300	2,696	1.1900	7.0	2.5	6,946
Wed 06			1.0		388	1,000	790	680	2,034	2,432	2.1520	5.0	2.0	5,518
Thu 07	110	100	0.0		374	1,000	850	820	2,270	3,764	2.2990	3.0	2.5	4,784
Fri 08			2.0		342	1,000	1,000	600	2,920	3,762	2.2690	3.0	3.0	6,486
Sat 09			1.0		329	1,000	990	480	3,001	4,382	2.2790	3.0	2.5	5,930
Sun 10			1.0		408	1,000	100	900	2,449	4,156	2.0780	4.0	4.0	7,382
Mon 11			1.0		263	950	650	600	2,468	3,858	2.0720	2.0	2.0	5,656
Tue 12			1.0		229	950	650	600	2,836	4,408	2.0710	1.0	4.0	7,932
Wed 13			0.6		235	900	600	550	2,545	4,552	2.0570	1.0	4.0	5,534
Thu 14	54	54	0.0		365	1,000	800	680	2,188	4,400	2.0690	2.0	3.5	7,352
Fri 15			0.5		325	1,000	680	460	2,087	4,338	1.8430	3.0	3.0	8,298
Sat 16			1.0		329	990	670	540	2,036	2,488	1.7040	3.0	1.5	7,012
Sun 17			1.0		255	850	550	400	2,155	1,414	1.8950	1.0	1.0	2,880
Mon 18			0.0		247	800	500	400	2,019	3,238	1.4080	0.0	0.0	902
Tue 19			1.0		256	900	650	650	2,538	3,558	1.9000	1.0	1.0	2,110
Wed 20			0.5		326	1,000	880	770	2,698	3,580	1.9040	3.0	0.0	9,696
Thu 21	110	120	0.0		362	1,000	950	870	2,620	3,688	1.9080	4.0	1.0	3,568
Fri 22			1.0		354	1,000	880	800	2,479	3,848	1.8700	3.5	2.0	6,630
Sat 23			2.0		333	1,000	900	740	2,700	4,154	1.8570	2.0	1.0	6,664
Sun 24			1.0		329	1,000	900	800	2,732	3,680	1.2760	1.0	1.0	5,010
Mon 25			1.0		281	950	700	700	2,484	7,028	1.8510	1.0	1.0	2,904
Tue 26			1.0		388	1,000	940	800	2,418	3,840	1.8260	3.0	1.0	7,524
Wed 27			1.0		323	950	800	750	2,470	3,236	1.8450	1.0	1.0	7,590
Thu 28	40	88	1.0		329	900	800	750	2,426	3,428	1.8360	1.0	1.0	8,368
Fri 29			1.0		284	900	750	700	2,635	3,126	1.8420	0.0	1.0	6,560
Sat 30			1.0		404	1,000	860	860	2,425	3,114	1.8280	3.0	1.0	6,890
Sun 31			0.6		338	950	900	880	2,598		1.8310	1.0	1.0	
MIN	40	54	0.0		229	800	100	400	2,019	1,414	1.1900	0.0	0.0	902
MAX	110	120	2.0		421	1,000	1,000	950	3,353	7,028	2.2990	8.0	4.0	13,870
AVG	79	91	0.8		326	965	779	706	2,497	3,738	1.9263	2.8	1.8	6,537
SUM	314	362	24.3		10,105	29,920	24,160	21,900	77,412	112,130	59.7150	85.5	55.5	196,124

		103 - WAS FLOW GALLONS THCK GAL	104 - EFF TSS (Report) MG/L	106 - EFF BOD (Report) MG/L	108 - EFF FECAL #/100 ML	109 - MAX DAILY FLOW MGD	110 - MIN DAILY FLOW MGD	111 - EFF FLOW MGD	113 - EFF #1 PH SU	124 - CL2 RES #1 MG/L	126 - CL2 RES #2 MG/L	128 - CL2 RES #3 MG/L	141 - THICKENED SLUDGE % TS	144 - THICKENER #1 BLANKET FT	145 - THICKENER #2 BLANKET FT
Fri	01	0				3.000	0.000	1.209	6.50	0.13	0.76	0.03	6.1	2.0	
Sat	02	0				3.100	0.000	1.690	6.60	0.98	0.04	0.18		1.0	
Sun	03	0				3.000	0.000	1.200	6.50	0.15	0.15	0.16		1.0	
Mon	04	5,000				3.100	0.000	0.886	6.50	0.11	0.06	0.08	5.5	1.6	
Tue	05	28,000				3.100	0.000	1.240	6.60	0.26	0.28	0.22	4.3	1.0	
Wed	06	16,000				3.200	0.000	1.274	6.50	0.12	0.33	0.23	4.5	5.0	
Thu	07	21,000	12.0	13.0	10	3.100	0.000	1.300	6.60	0.59	0.00	0.99		7.0	
Fri	08	700				3.200	0.000	1.350	6.60	0.44	0.31	0.08	4.6	6.5	
Sat	09	1,700				3.200	0.000	1.503	6.50	0.08	0.87	0.53		7.5	
Sun	10	17,000				3.100	0.000	1.612	6.50	0.01	0.01	0.34		7.0	
Mon	11	17,000				3.100	0.000	1.562	6.50	0.92	0.29	0.25	6.0	5.0	
Tue	12	17,000				3.100	0.000	1.549	6.50	0.03	0.07	0.22		6.0	
Wed	13	17,000				3.100	0.000	1.828	6.50	0.02	0.06	0.04	6.6	7.0	
Thu	14	17,000	21.0	5.7	10	3.100	0.000	1.610	6.80	0.92	0.10	0.06	6.0	6.0	
Fri	15	15,000				3.000	0.000	1.670	6.50	0.06	0.69	0.08	6.1	6.0	
Sat	16	15,000				3.000	0.000	1.614	6.60	0.04	0.07	0.05		6.5	
Sun	17	11,000				3.000	0.000	1.452	6.50	0.04	0.10	0.04		5.5	
Mon	18	6,000				3.000	0.000	1.287	6.90	0.04	0.38	0.17	7.9	6.0	
Tue	19	1,000				3.000	0.000	1.252	6.90	0.04	0.85	0.13		6.0	
Wed	20	4,000				3.000	0.000	1.243	6.50	0.97	0.20	0.08	6.5	5.0	
Thu	21	7,000	2.0	6.0	10	3.000	0.000	1.222	6.70	0.05	0.15	0.10		7.0	
Fri	22	8,000				3.000	0.000	1.230	6.60	0.97	0.12	0.15	5.1	5.0	
Sat	23	10,000				3.000	0.000	1.283	6.60	0.07	0.11	0.09		5.5	
Sun	24	8,000				3.000	0.000	1.283	6.50	0.03	0.06	0.02		6.0	
Mon	25	7,000				3.000	0.000	1.219	6.50	0.07	0.15	0.10	5.7	6.0	
Tue	26	6,000				2.800	0.000	1.195	6.60	0.96	0.55	0.11		6.0	
Wed	27	7,000				3.000	0.000	1.176	6.50	0.11	0.98	0.11	5.3	5.0	
Thu	28	7,000	9.0	4.8	10	3.000	0.000	1.207	6.90	0.07	0.11	0.16		5.0	
Fri	29	7,000				3.000	0.000	1.220	6.50	0.17	0.13	0.06	6.1	5.0	
Sat	30	6,000				3.000	0.000	1.292	6.50	0.10	0.85	0.21		7.0	
Sun	31	7,000				2.900	0.000	1.283	6.50	0.06	0.08	0.03		6.0	
MIN		0	2.0	4.8	10	2.800	0.000	0.886	6.50	0.01	0.00	0.02	4	1	
MAX		28,000	21.0	13.0	10	3.200	0.000	1.828	6.90	0.98	0.98	0.99	8	8	
AVG		9,335	11.0	7.4	10	3.039	0.000	1.353	6.58	0.28	0.29	0.16	6	5	
SUM		289,400	44.0	29.5	40	94.200	0.000	41.941	204.00	8.61	8.91	5.10	86	162	

	151 - LEACHATE TSS MG/L	152 - LEACHATE BOD MG/L	153 - LEACHATE COD MG/L	9270 - LEACHATE gal	9285 - Groundwater Underdrain gal	252 - Potable H2O Calc. GPD	171 - FEED SLUDGE GALS GALS	236 - THICKENED SLDG LBS/DAY	158 - HT #1 LEVEL FT	159 - HT #2 LEVEL FT	112 - EFF TEMP DEG C	255 - Enterococci No/100ml	234 - Toxicity %	164 - GALS HEATING OIL Inches
Fri 01							9,000	4,625			21.4			
Sat 02											21.3			
Sun 03											21.0			
Mon 04							9,000	4,182			21.5			
Tue 05							9,000	3,257			21.9			
Wed 06							9,000	3,400			21.3			
Thu 07											21.2	<10		
Fri 08							9,000	3,482			20.7			
Sat 09											21.0			
Sun 10											21.3			
Mon 11							9,000	4,503			21.5			
Tue 12											21.5			
Wed 13							9,000	4,996			20.8			
Thu 14							9,000	4,554			21.1	<10		
Fri 15							9,000	4,597			21.0			
Sat 16											20.8			
Sun 17											21.0			
Mon 18							9,000	5,929			20.8			
Tue 19											20.3			
Wed 20							9,000	4,910			21.3			
Thu 21											21.3	<10		
Fri 22							9,000	3,868			21.6			
Sat 23											21.2			
Sun 24											21.8			
Mon 25							9,000	4,315			21.3			
Tue 26											21.9			
Wed 27							9,000	3,978			22.1			
Thu 28											21.8	<10		
Fri 29							9,000	4,583			21.0			
Sat 30											21.3			
Sun 31											22.0			
MIN							9,000	3,257			20	<10		
MAX							9,000	5,929			22	<10		
AVG							9,000	4,345			21	<10		
SUM							135,000	65,179			660	<40		

August 2014

Hydrogen Sulfide Data

		Hydrogen Sulfide Weather Data			Hydrogen Sulfide Inside Plant Data								
	03 Hydorgen Sulfide Log	400011 - Wind Direction Direction	400012 - Outside Temp Deg F	400013 - Outside Condition Condition	400021 - Front Door ppm	400022 - Head Works ppm	400023 - Primary Tank No. 1 ppm	400024 - Primary Tank No. 2 ppm	400025 - Gravity Thickener ppm	400026 - Aeration Tanks ppm	400027 - Rotory Sludge Thickener Room ppm	400028 - Scrubber In ppm	400029 - Roof Exhaust Scrubber Out ppm
1 Fri		sw-4	68	partly cloudy	0.002	0.080	6.700		2.600	0.010		9.400	0.081
2 Sat		se-6	67	mostly cloudy	0.007	9.800	17.000		2.700	0.003		8.300	0.114
3 Sun		n-5	61	cloudy	0.011	12.900	19.000		36.000	0.030		19.000	0.019
4 Mon		wsw-6	67	partly cloudy	0.009	4.300	37.000		32.000	0.002		22.000	0.840
5 Tue		wnw-2	73	sunny	0.006	2.100	31.000		2.300	0.022		9.600	0.072
6 Wed		nw-6	72	mostly cloudy	0.002	2.300	11.200		0.410	0.340	12.000	6.700	0.014
7 Thu		nw-6	65	sunny	0.007	2.200	10.800		0.230	0.009		3.000	0.012
8 Fri		wnw-11	61	sunny	0.004	1.500	6.500		3.700	0.007	8.100	9.000	0.011
9 Sat		nw-7	65	sunny	0.005	1.100	3.100		14.000	0.007		6.600	0.014
10 Sun		nw-7	65	sunny	0.004	30.000	10.800		29.000	0.021	6.500	19.000	0.700
11 Mon		sw-4	67	sunny	0.007	6.000	4.800			0.005	1.900	19.000	0.950
12 Tue		ssw-3	68	partlly cloudy	0.005	39.000	3.600		37.000	0.004	0.033	11.000	0.034
13 Wed		se-15	68	rain	0.009	33.000	3.800		47.000	0.002	0.140	12.000	0.024
14 Thu		w-12	63	sunny	0.003	0.650	2.500		46.000	0.003	0.060	5.800	0.017
15 Fri		nw-5	64	partly cloudy	0.004	9.400	1.400		32.000	0.006		12.900	0.018
16 Sat		wsw-13	61	fair	0.006	29.000	15.000		25.000	0.015		12.000	0.026
17 Sun		sw-7	65	partly cloudy	0.011	6.100	17.000		11.700	0.022		13.000	0.038
18 Mon		wnw-10	62	sunny	0.008	3.400	9.500		38.000	0.017	0.059	17.000	0.780
19 Tue		nw-4	62	sunny	0.007	16.000	17.000		29.000	0.017		12.000	1.800
20 Wed		nw-2	62	sunny	0.005	1.700	17.000		26.000	0.004	1.500	21.000	0.620
21 Thu		ne-3	62	mostly cloudy	0.005	19.000	50.000		20.000	0.290		18.000	2.200
22 Fri		ne-7	65	cloudy	0.003	0.400	47.000		17.000	0.001	2.600	11.900	0.100
23 Sat		n-8	62	partly cloudy	0.009	12.000	24.000		11.000	0.022		9.100	0.022
24 Sun		nnw-5	62	sunny	0.005	0.240	8.600		21.000	0.003	1.400	11.000	0.065
25 Mon		nw-4	66	sunny	0.002	5.700	33.000		30.000	0.115		17.000	2.300
26 Tue		ssw-8	64	fair	0.003	0.120	0.170		27.000	0.022		24.000	0.111
27 Wed		sw-9	70	sunny	0.017	15.000	16.000		25.000	0.007	13.700	22.000	0.580
28 Thu		nnw-9	71	partly cloudy	0.009	4.400	45.000		19.000	0.003	15.000	16.000	0.051
29 Fri		nnw-8	63	sunny	0.009	15.000	31.000		29.000	0.005	2.600	19.000	0.092
30 Sat		s-7	59	sunny	0.007	2.300	30.000		21.000	0.012		19.000	0.091
31 Sun		sw-11	71	mostly cloudy	0.012	6.200	50.000		29.000	0.220		17.000	0.400
MIN		-	59	-	0.002	0.080	0.170	-	0.230	0.001	0.033	3.000	0.011
MAX		-	73	-	0.017	39.000	50.000	-	47.000	0.340	15.000	24.000	2.300
AVG		-	65	-	0.007	9.384	18.693	-	22.121	0.040	4.685	13.945	0.393
SUM		-	2,021	-	0.203	290.890	579.470	-	663.640	1.246	65.592	432.300	12.196

August 2014

Hydrogen Sulfide Data

			Hydrogen Sulfide Outside Plant Data						
	03 Hydorgen Sulfide Log	400030 - % Removal %	400031 - Cemetery Flag Pole ppm	400032 - Garage At Cemetery ppm	400033 - Duck Lane ppm	400034 - Duck Lane And Nantasket Ave ppm	400035 - Seawall Across From Plant ppm	400036 - Fire Hydrant Across Inland Bay Side ppm	400037 - Front Of Aeration Bayside ppm
1 Fri		99.1	0.006	0.004	0.004	0.003	0.003	0.003	0.004
2 Sat		98.6	0.007	0.005	0.004	0.004	0.004	0.003	0.004
3 Sun		99.9	0.008	0.008	0.007	0.007	0.007	0.008	0.008
4 Mon		96.2	0.004	0.003	0.004	0.005	0.006	0.013	0.004
5 Tue		99.3	0.006	0.005	0.006	0.006	0.006	0.006	0.005
6 Wed		99.8	0.001	0.002	0.002	0.002	0.001	0.001	0.003
7 Thu		99.6	0.003	0.003	0.002	0.002	0.003	0.003	0.003
8 Fri		99.9	0.004	0.003	0.004	0.003	0.004	0.003	0.003
9 Sat		99.8	0.007	0.004	0.005	0.004	0.005	0.005	0.005
10 Sun		96.3	0.006	0.005	0.006	0.006	0.007	0.012	0.006
11 Mon		95.0	0.007	0.008	0.008	0.009	0.011	0.022	0.007
12 Tue		99.7	0.004	0.004	0.004	0.005	0.007	0.006	0.004
13 Wed		99.8	0.002	0.001	0.000	0.000	0.002	0.004	0.002
14 Thu		99.7	0.009	0.009	0.010	0.011	0.018	0.110	0.009
15 Fri		99.9	0.005	0.004	0.004	0.004	0.004	0.004	0.004
16 Sat		99.8	0.005	0.005	0.006	0.005	0.008	0.014	0.005
17 Sun		99.7	0.006	0.006	0.007	0.007	0.007	0.012	0.007
18 Mon		95.4	0.005	0.005	0.006	0.005	0.008	0.014	0.005
19 Tue		85.0	0.009	0.009	0.007	0.007	0.007	0.008	0.008
20 Wed		97.0	0.005	0.005	0.007	0.007	0.008	0.028	0.005
21 Thu		87.8	0.005	0.004	0.004	0.004	0.004	0.005	0.005
22 Fri		99.2	0.005	0.003	0.003	0.004	0.006	0.003	0.003
23 Sat		99.8	0.003	0.005	0.004	0.004	0.004	0.008	0.004
24 Sun		99.4	0.005	0.005	0.005	0.006	0.008	0.017	0.005
25 Mon		86.5	0.009	0.005	0.007	0.007	0.008	0.017	0.021
26 Tue		99.5	0.007	0.010	0.007	0.008	0.009	0.010	0.007
27 Wed		97.4	0.007	0.007	0.007	0.008	0.009	0.010	0.007
28 Thu		99.7	0.007	0.007	0.009	0.010	0.025	0.053	0.007
29 Fri		99.5	0.004	0.004	0.004	0.005	0.008	0.009	0.004
30 Sat		99.5	0.004	0.004	0.004	0.004	0.004	0.009	0.004
31 Sun		97.6	0.004	0.005	0.006	0.006	0.008	0.006	0.005
MIN		85.0	0.001	0.001	0.000	0.000	0.001	0.001	0.002
MAX		99.9	0.009	0.010	0.010	0.011	0.025	0.110	0.021
AVG		97.6	0.005	0.005	0.005	0.005	0.007	0.014	0.006
SUM		3,025.3	0.169	0.157	0.163	0.168	0.219	0.426	0.173

August 2014

Hingham Flow

	Daily Com	100011 - Hingham Flow KGAL
1 Fri		60.00
2 Sat		63.00
3 Sun		65.00
4 Mon		67.00
5 Tue		27.00
6 Wed		25.00
7 Thu		65.00
8 Fri		67.00
9 Sat		69.00
10 Sun		66.00
11 Mon		65.00
12 Tue		63.00
13 Wed		64.00
14 Thu		62.00
15 Fri		66.00
16 Sat		65.00
17 Sun		68.00
18 Mon		65.00
19 Tue		64.00
20 Wed		64.00
21 Thu		67.00
22 Fri		62.00
23 Sat		66.00
24 Sun		45.00
25 Mon		70.00
26 Tue		70.00
27 Wed		68.00
28 Thu		67.00
29 Fri		65.00
30 Sat		65.00
31 Sun		69.00
MIN		25.00
MAX		70.00
AVG		62.39
SUM		1,934.00