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VIA ELECTRONIC MAIL

February 13, 2020

Mr. Aaron Fischer
Remedial Bureau B
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway – 12th Floor
Albany, New York 12233-7016

**Subject: Monthly Progress Report
GE Main Plant (Site No. 4-47-004)
Schenectady, New York**

Dear Aaron:

Pursuant to Section III of the Order on Consent and Administrative Settlement (Index No. A4-0562-0806) regarding General Electric Company's (GE's) Main Plant in Schenectady, New York, please find attached the Monthly Progress Report covering January 2020. As always, please call me if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Tom D. Antonoff'.

Tom D. Antonoff
Senior Project Manager

Attachment

cc: Stephanie Selmer, NYSDOH (via email)
Ben Conlon, Esq., NYSDEC (via email)
Damian Foti, GE (via email)
Eric Merrifield, GE (via email)
Angelica Todd, GE (via email)
Matt Sausville, Ramboll (via email)
Paul Hare, Ramboll (via email)

MONTHLY PROGRESS REPORT

Order on Consent and Administrative Settlement (Index No. A4-0562-0806) GE Main Plant (Site No. 4-47-004) Schenectady, New York

Month Covered: January 2020

I. Actions Taken During Month:

- A Monthly Progress Report (MPR) was submitted to the New York State Departments of Environmental Conservation and Health (NYSDEC and NYSDOH, respectively) on or before January 15, 2020 (or the next business day if on a weekend or holiday).
- O'Brien & Gere Engineers, Inc. (OBG, a Ramboll company) continued operation, maintenance and monitoring (OM&M) of the Seep Collection and Treatment System (SCTS) throughout the month. OBG performed weekly sampling events on January 2, 8, 15, 22 and 29, 2020. System information was collected and recorded during each site visit on operations log sheets, which are attached. A slight exceedance for iron (3.3 parts per million [ppm] versus the limit of 2.5 ppm) was reported for the January 2, 2020 sampling event. The exceedance was attributed to fouling of the sand filter media, which was replaced on January 20 and 21, 2020 without shutting down plant operations. NYSDEC was verbally notified on January 21, 2020. The iron results for the sampling events on January 8, 15, 22 and 29, 2020 were all less than 2.5 ppm.
- GE continued working with NYSDEC's real estate group to draft the site's environmental covenant. The preparation of a site plan is pending approval from NYSDEC's real estate group. Note that the Final Engineering Report cannot be submitted until (a) NYSDEC approves the Construction Completion Reports (CCRs) and (b) the environmental covenant is finalized and executed.

II. Analytical and Other Results Obtained During Month:

- Weekly analytical results are attached for the samples collected from the SCTS on January 2, 8, 15, 22 and 29, 2020.
- The results of the fourth quarter Polychlorinated Biphenyl (PCB) Minimization Work Plan sampling completed December 11, 2019 are attached.

III. Deliverables Submitted or Approved During Month:

- None in January 2020.

IV. Actions Scheduled for Following Month:

- GE will submit this MPR to NYSDEC and NYSDOH on or before February 15, 2020 (or the following business day if on a weekend or holiday).
- OBG will continue OM&M of the SCTS, including weekly effluent sampling.

V. Anticipated Delays and Mitigative Measures:

- None in January 2020.

VI. Proposed or Approved Modifications:

- None in January 2020.

VII. Citizen Participation Activities:

- None in January 2020.

Attachments

Operations Logs for Seep Collection & Treatment System

OPERATIONS LOG SHEET
ENHANCED SEEP COLLECTION SYSTEM
GENERAL ELECTRIC MAIN PLANT
SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	1/8/2020	1/10/2020	1/13/2020	1/14/20
				TIME:	12:00	12:51	14:00	12:00
				INITIALS:	T.B	T.B	T.B	S.H
SEEP COLLECTION PUMP STATIONS (SEEP 1 - 4, SEEP 5 AND SEEP 6)								
SEEP 1 - 4 PUMP RUN	Y/N	P-100A	SEEP 1-4 P-STATION PUMP		Yes	Yes	Yes	Yes
SEEP 5 PUMP RUN	Y/N	P-100B	SEEP 5 P-STATION PUMP		Yes	Yes	Yes	Yes
SEEP 6 PUMP RUN	Y/N	P-100C	SEEP 6 P-STATION PUMP		No	No	No	No
INFLUENT TANK (T-101)								
FLOW METER - 100A (FM-A)	GPM	FQIT-100A	S1-4 IN-FLOW		26.7	26.8	24.1	23.80
FLOW METER - 100B (FM-B)	GPM	FQIT-100B	S5 IN-FLOW		19.8	16.7	12.6	12.70
FLOW METER - 100C (FM-C)	GPM	FQIT-100C	S6 IN-FLOW		0	0	0	0
FLOW METER - 101	GPM	FQIT-101	INF TK OUT-FLOW		42.7	42.5	44.6	42.11
FLOW METER - 100A	TOTAL	FQIT-100A	S1-4 IN-FLOW		16,256,895	16,318,886	16,416,284	16,446,320
FLOW METER - 100B	TOTAL	FQIT-100B	S5 IN-FLOW		2,917,132	2,967,188	3,001,510	3,018,600
FLOW METER - 100C	TOTAL	FQIT-100C	S6 IN-FLOW		646,106	646,106	648,682	648,682
FLOW METER - 101	TOTAL	FQIT-101	INF TK OUT-FLOW		7,675,121	7,783,217	7,915,654	7,964,078
BLOWER RUNNING	Y/N	B-101	INF TK BLOWER		Yes	Yes	Yes	Yes
BLOWER PRESSURE	PSI	PI-101	INF TK BLOWER PRESS.		5.0	5.5	5.0	4.5
VFD RATE	Hz	B-101	INF TK BLOWER VFD		50 Hz	50 Hz	50 Hz	50.03 Hz
INF Ph	SU	AIT-101	pH FOR INF. WATER		7.38	7.58	7.70	7.47
pH Probe checked	Y/N	AIT-101	pH Probe at influent tank		Yes	Yes	Yes	Yes
pH Probe clean (1X/week min)	Y/N	AIT-101	pH Probe at influent tank		No	No	Yes	Yes
INF TANK LEVEL	inwc	T-101	LEVEL TRANSMIT.		42.1	25.27	50.1	70"
RECIRC PUMP RUNNING	Y/N	P-102	IN TK RECIRC PUMP		Yes	Yes	Yes	Yes
VFD RATE	Hz	P-102	IN TK RECIRC VFD		45 Hz	45 Hz	45 Hz	40 Hz
CAUSTIC PUMP RUNNING	Y/N	P-201	IN TK CAUSTIC ADD		Yes	Yes	Yes	Yes
CAUSTIC TANK LEVEL	gal	T-201	IN TK CAUSTIC ADD		22 gal	0	0	0
CAUSTIC USAGE	GAL	T-201	CAUSTIC USAGE		77 gal/41"	23 gal/38"	70 gal/36 1/2"	67 gal/35 1/2"
CAUSTIC USAGE	TOT	T-201	CAUSTIC USAGE		8 gal	4 gal	3 gal	3 gallons
CLARIFIER SYSTEM (T-103B)								
FLASH MIX TANK MIXER RUN.	Y/N	M-102	COAG MIXER		Yes	Yes	Yes	Yes
COAGULANT PUMP RUNNING	Y/N	P-202	COAG PUMP		Yes	Yes	Yes	Yes
COAGULANT LEVEL	% Full	T-202	COAG TANK		45 gal/24"	4 gal/22"	5 gal/27"	50 gal/26 1/2"
COAGULANT DOSE RATE	mg/l	FE-202	COAG FLOW TO TANK		16 mg/L	16 mg/L	16 mg/L	16 mg/L
FLOC TANK MIXER RUNNING	Y/N	M-103A	FLOC MIXER		Yes	Yes	Yes	Yes
FLOCCULANT PUMP RUNNING	Y/N	P-203	FLOC PUMP		Yes	Yes	Yes	Yes
FLOC LEVEL	% Full	T-203	FLOC TANK LEVEL		3 gal/9 3/4"	4 1/2 gal/8 1/2"	8 1/2/15 1/2"	7.5 14 1/2"
FLOCCULANT DOSE RATE	GPM	FE-203	DILUTED FLOC TO FLOC MIX TK		1.5	1.5	1.5	1.5
CLARIFIER RAKE MIXER RUN.	Y/N	M-103B	CLARIFIER MIXER		Yes	Yes	Yes	Yes
CLARIFIER SLUDGE PUMP RUN.	Y/N	P-103	SLUDGE PUMP TO GEOTUBE		Yes	Yes	Yes	Yes
AIR COMPRESSOR RUNNING	Y/N	C-302	SLUDGE PUMP POWER		Yes	Yes	Yes	Yes

OPERATIONS LOG SHEET
ENHANCED SEEP COLLECTION SYSTEM
GENERAL ELECTRIC MAIN PLANT
SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	1/8/2020	1/10/2020	1/13/2020	1/14/2020
				TIME:	12:48	12:58	1:00	12:00
				INITIALS:	T.B	T.B	T.B	S.H
AIR COMPRESSOR PRESSURE	PSI	PI-302	AIR COMP. PRESSURE		165	170	145	165
CLARIFIER EFF TANK LEVEL	FEET	T-104	GRAVITY TANK POST CLAR.		3 FT	3	3 FT	3 FT
CLARIFIER EFF PUMP A RUN	Y/N	P-104A	PUMP TO FILTRATION		yes	yes	yes	yes
VFD RATE	Hz	P-104A	PUMP RATE TO FILTRATION		38 Hz	38 Hz	38 Hz	35 Hz
CLARIFIER EFF. PUMP PRESSURE	PSI	PI-104A	PUMP PRESSURE TO FILT.		20	30 psi	48 psi	40 PSI
CLARIFIER EFF PUMP B RUN	Y/N	P-104B	PUMP TO FILTRATION		NO	NO	NO	NO
VFD RATE	Hz	P-104B	PUMP RATE TO FILTRATION		—	—	NO	—
CLARIFIER EFF. PUMP PRESSURE	PSI	PI-104B	PUMP PRESSURE TO FILT.		—	—	NO	—
GEOTUBE SYSTEM								
GEOTUBE CONTAINER 1 LEVEL	EST.	G-101	GEOTUBE DEWATERING BOX		35%	48%	56%	55%
GEOTUBE CONTAINER 2 LEVEL	EST.	G-102	GEOTUBE DEWATERING BOX		73%	73	73%	75%
GEOTUBE DISPOSAL	Y/N	G-101/G-102	GEOTUBE DEWATERING BOX		NO	NO	NO	NO
GEOTUBE DISPOSAL QTY	TON	G-101/G-102	WEIGHT OF MATERIAL DISPOSED		—	—	—	—
POLYMER PUMP RUNNING	Y/N	P-205	POLY ADD TO SLUDGE		yes	yes	yes	yes
POLYMER DOSE	GPM	FE-205	POLY FLOW TO SLUDGE		.610	.508	.590	.590
POLYMER TANK LEVEL	% Full	T-205	POLYMER LEVEL IN TANK		11"	11"	11"	9"
FILTRATION SYSTEM								
SAND FILTER A IN-USE	Y/N	TA-105A	SAND FILTER		yes	yes	yes	yes
SAND FILTER A BACKWASH	Y/N	TA-105A	SAND FILTER		yes	yes	yes	yes
INLET PRESSURE	PSI	PI-105A/PI-703	INLET PRESSURE TO SAND		18	18	41	34
OUTLET PRESSURE	PSI	PDSH-105A	OUTLET PRESS. TO BAG FIL.		10	10	10	8
PRESSURE DIFFERENTIAL	PSI	PDSH-105A	PRESSURE DIFFERENTIAL		8	8	31	26
SAND FILTER B IN-USE	Y/N	TA-105B	SAND FILTER		yes	yes	yes	yes
SAND FILTER B BACKWASH	Y/N	TA-105B	SAND FILTER		yes	yes	yes	yes
INLET PRESSURE	PSI	PI-105B/PI-703	INLET PRESSURE TO SAND		19	19	41	36
OUTLET PRESSURE	PSI	PDSH-105B	OUTLET PRESS. TO BAG FIL.		10	10	10	12
PRESSURE DIFFERENTIAL	PSI	PDSH-105B	PRESSURE DIFFERENTIAL		9	9	31	24
BAG FILTER 701 IN-USE	Y/N	F-701A	10, 5 and 1 MICRON BAG FILTER		NO	NO	NO	yes
INLET PRESSURE	PSI	PI-701A	INLET PRESSURE IN BF		—	—	—	10
OUTLET PRESSURE	PSI	PI-704	OUTLET PRESSURE IN BF		—	—	—	10
PRESSURE DIFFERENTIAL	PSI	PDSH-701A	PRESSURE DIFFERENTIAL		—	—	—	10
BAG CHANGES	Y/N	F-701A	BAG FILTER		—	—	—	yes
BAG FILTER 702 IN-USE	Y/N	F-702A	10, 5 and 1 MICRON BAG FILTER		NO	NO	NO	yes
INLET PRESSURE	PSI	PI-702A	INLET PRESSURE IN BF		NO	—	—	10
OUTLET PRESSURE	PSI	PI-704	OUTLET PRESSURE IN BF		—	—	—	10
PRESSURE DIFFERENTIAL	PSI	PDSH-702A	PRESSURE DIFFERENTIAL		—	—	—	10
BAG CHANGE	Y/N	F-702A	BAG FILTER		—	—	—	yes

OPERATIONS LOG SHEET
ENHANCED SEEP COLLECTION SYSTEM
GENERAL ELECTRIC MAIN PLANT
SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	11/8/2020	11/20/2020	11/13/20	11/14/20
				TIME:	12:00	12:50	14:00	12:00
				INITIALS:	T.B	T.B	T.B	S.H
CARBON FILTER 1 IN-USE	Y/N	TA-106A	CARBON FILTER		yes	yes	yes	yes
CARBON FILTER 1 BACKWASH	Y/N	TA-106A	CARBON FILTER		yes	yes	NO	yes
INLET PRESSURE	PSI	PI-106A	INLET PRESSURE FROM BF		5	5	5	5
OUTLET PRESSURE	PSI	PI-106B	OUTLET PRESS. TO EFF-TK		10	6	8	10
PRESSURE DIFFERENTIAL	PSI		PRESSURE DIFFERENTIAL		5	1	3	5
CARBON FILTER 2 IN-USE	Y/N	TA-106B	CARBON FILTER		yes	yes	yes	yes
CARBON FILTER 2 BACKWASH	Y/N	TA-106B	CARBON FILTER		yes	yes	NO	yes
INLET PRESSURE	PSI	PI-106B	INLET PRESSURE FROM BF		6	6	6	6
OUTLET PRESSURE	PSI		OUTLET PRESS. TO EFF-TK		12	10	16	10
PRESSURE DIFFERENTIAL	PSI		PRESSURE DIFFERENTIAL		6	4	4	4
BACKWASH PUMP A RUN	Y/N	P-305A	BACKWASH PUMP TO FILT.		NO	NO	NO	KID
BACKWASH PRESSURE	PSI	PI-305A	BACKWASH PRESSURE		—	—	—	—
BACKWASH PUMP B RUN	Y/N	P-305B	BACKWASH PUMP TO FILT.		yes	yes	yes	yes
BACKWASH PRESSURE	PSI	PI-305A	BACKWASH PRESSURE		90 PSI	98	90 psi	90 PSI
EFFLUENT AND FINAL HOLDING TANK (T-107 AND T-401)								
EFFLUENT FLOW METER	GPM	FQIT-107	FLOW RATE FROM FILTERS		57.8	52.1	47	44.31
EFF. FLOW METER TOTAL	TOT.	FQIT-107	TOTAL FLOW		5,729.347	5,812.664	5,926.538	5,964.810
EFFLUENT TANK LEVEL	inwc	T-107	TANK LEVEL		100.7	94.14	78.2	81.38
pH METER	SU	AIT-107	EFF. pH		7.70	7.73	7.80	7.23
DISSOLVED OXYGEN (DOM-107)	DO	AIT-107A	EFF. DO READING		8.01	8.06	8.70	8.13
TURBIDITY (TBM-107)	NTU	AIT-107B	EFF. TURBIDITY		.46	.46	.48	.48
FINAL HOLDING TANK LEVEL	FEET	T-401	FH TK LEVEL		2 ft	3 ft	3 ft	3 ft.
IRRIG. PUMP RUNNING	Y/N	P-401	IRRIGATION SYSTEM		NO	NO	NO	NO
VFD RATE	Hz	P-401	IRRIGATION SYSTEM		—	—	—	—
GRAVITY OUTFALL IN-USE	Y/N	OF-101	OUTFALL TO POENTIC KILL		yes	yes	yes	yes
BUILDING SYSTEM COMPONENTS								
EXHAUST FAN NW IN-USE	Y/N	EF-1	EXHAUST FANS		NO	NO	NO	NO
EXHAUST FAN NE IN-USE	Y/N	EF-2	EXHAUST FANS		NO	NO	NO	NO
BUILDING HEATERS IN-USE	Y/N	UH-1-8	HEATERS		yes	yes	yes	yes
BUILDING TEMPERATURE	DEG. F		BLDG. TEMP		43°	68°	72°	70°
OVERHEAD DOOR SW OPER.	Y/N		OVERHEAD DOOR		yes	yes	yes	yes
OVERHEAD DOOR NE OPER.	Y/N		OVERHEAD DOOR		yes	yes	yes	yes
OVERHEAD DOOR SE OPER.	Y/N		OVERHEAD DOOR		yes	yes	yes	yes
BLDG CONT SYS OPERATIONAL	Y/N		REMOTE TELEMETRY SYS		yes	yes	yes	yes
GENERAL COMMENTS								

OPERATIONS LOG SHEET
ENHANCED SEEP COLLECTION SYSTEM
GENERAL ELECTRIC MAIN PLANT
SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	1/15/20	1/16/20	1/17/20	1/20/20
				TIME:	11:30	2:00	1:00	6:15
				INITIALS:	TR	SH	SH	SH
SEEP COLLECTION PUMP STATIONS (SEEP 1 - 4, SEEP 5 AND SEEP 6)								
SEEP 1 - 4 PUMP RUN	Y/N	P-100A	SEEP 1-4 P-STATION PUMP		Yes	Yes	Yes	Yes
SEEP 5 PUMP RUN	Y/N	P-100B	SEEP 5 P-STATION PUMP		Yes	Yes	Yes	Yes
SEEP 6 PUMP RUN	Y/N	P-100C	SEEP 6 P-STATION PUMP		NO	NO	NO	NO
INFLUENT TANK (T-101)								
FLOW METER - 100A (FM-A)	GPM	FQIT-100A	S1-4 IN-FLOW		22.73	22.34	21.74	21.34
FLOW METER - 100B (FM-B)	GPM	FQIT-100B	S5 IN-FLOW		12.68	12.78	12.73	13.03
FLOW METER - 100C (FM-C)	GPM	FQIT-100C	S6 IN-FLOW		0	0	0	0
FLOW METER - 101	GPM	FQIT-101	INF TK OUT-FLOW		37.98	39.22	38.22	36.10
FLOW METER - 100A	TOTAL	FQIT-100A	S1-4 IN-FLOW		16480807	16511979	16543329	16642813
FLOW METER - 100B	TOTAL	FQIT-100B	S5 IN-FLOW		3037928	3055544	3073587	3133559
FLOW METER - 100C	TOTAL	FQIT-100C	S6 IN-FLOW		648682	648682	648682	648682
FLOW METER - 101	TOTAL	FQIT-101	INF TK OUT-FLOW		8018701	8072784	8125171	8287047
BLOWER RUNNING	Y/N	B-101	INF TK BLOWER		Yes	Yes	Yes	Yes
BLOWER PRESSURE	PSI	PI-101	INF TK BLOWER PRESS.		5	5	5	5
VFD RATE	Hz	B-101	INF TK BLOWER VFD		49.98	50.00	49.95	49.87
INF PH	SU	AIT-101	pH FOR INF. WATER		7.51	7.55	7.60	7.52
pH Probe checked	Y/N	AIT-101	pH Probe at influent tank		Yes	Yes	Yes	Yes
pH Probe clean (1X/week min)	Y/N	AIT-101	pH Probe at influent tank		Yes	Yes	Yes	Yes
INF TANK LEVEL	inwc	T-101	LEVEL TRANSMIT.		68.74"	60.48"	54.60"	56.26"
RECIRC PUMP RUNNING	Y/N	P-102	IN TK RECIRC PUMP		Yes	Yes	Yes	Yes
VFD RATE	Hz	P-102	IN TK RECIRC VFD		35.00	38.00	38.00	39.97
CAUSTIC PUMP RUNNING	Y/N	P-201	IN TK CAUSTIC ADD		Yes	Yes	Yes	Yes
CAUSTIC TANK LEVEL	L	T-201	IN TK CAUSTIC ADD		66 gal	66 gal	66 gal	62 gal
CAUSTIC USAGE	GAL	T-201	CAUSTIC USAGE		66 gal	66 gal	66 gal	62 gal
CAUSTIC USAGE	TOT	T-201	CAUSTIC USAGE		1 gallon	1 gallon	1 gallon	1 gallon
CLARIFIER SYSTEM (T-103B)								
FLASH MIX TANK MIXER RUN.	Y/N	M-102	COAG MIXER		Yes	Yes	Yes	Yes
COAGULANT PUMP RUNNING	Y/N	P-202	COAG PUMP		Yes	Yes	Yes	Yes
COAGULANT LEVEL	% Full	T-202	COAG TANK		47 gal / 25%	45 gal / 24%	44 gal / 23%	38 gal / 20%
COAGULANT DOSE RATE	mg/L	FE-202	COAG FLOW TO TANK		16 mg/L	16 mg/L	16.00 mg/L	16.00 mg/L
FLOC TANK MIXER RUNNING	Y/N	M-103A	FLOC MIXER		Yes	Yes	Yes	Yes
FLOCCULANT PUMP RUNNING	Y/N	P-203	FLOC PUMP		Yes	Yes	Yes	Yes
FLOC LEVEL	% Full	T-203	FLOC TANK LEVEL		63 gal / 13%	57 gal / 12%	55 gal / 11%	55 gal / 11%
FLOCCULANT DOSE RATE	GPM	FE-203	DILUTED FLOC TO FLOC MIX TK		1.00 mg/L	1.00 mg/L	1.00 mg/L	1.50 mg/L
CLARIFIER RAKE MIXER RUN.	Y/N	M-103B	CLARIFIER MIXER		Yes	Yes	Yes	Yes
CLARIFIER SLUDGE PUMP RUN.	Y/N	P-103	SLUDGE PUMP TO GEOTUBE		Yes	Yes	Yes	Yes
AIR COMPRESSOR RUNNING	Y/N	C-302	SLUDGE PUMP POWER		Yes	Yes	Yes	Yes

OPERATIONS LOG SHEET
ENHANCED SEEP COLLECTION SYSTEM
GENERAL ELECTRIC MAIN PLANT
SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	TIME:	INITIALS:				
AIR COMPRESSOR PRESSURE	PSI	PI-302	AIR COMP. PRESSURE	4/15/20	12:00	5.H	160	150	150	155
CLARIFIER EFF TANK LEVEL	FEET	T-104	GRAVITY TANK POST CLAR.	4/16/20	2:00	5.H	2' 2"	2'	2' 11"	3' 2"
CLARIFIER EFF PUMP A RUN	Y/N	P-104A	PUMP TO FILTRATION	4/17/20	1:00	5.H	Yes	Yes	Yes	Yes
VFD RATE	Hz	P-104A	PUMP RATE TO FILTRATION	4/18/20	2:15	5.H	38.02	40.02	40.04	60
CLARIFIER EFF. PUMP PRESSURE	PSI	PI-104A	PUMP PRESSURE TO FILT.				47	40	42	60
CLARIFIER EFF PUMP B RUN	Y/N	P-104B	PUMP TO FILTRATION				NO	NIO	NIO	NIO
VFD RATE	Hz	P-104B	PUMP RATE TO FILTRATION				38.02	0	0	0
CLARIFIER EFF. PUMP PRESSURE	PSI	PI-104B	PUMP PRESSURE TO FILT.				0	0	0	0
GEOTUBE SYSTEM										
GEOTUBE CONTAINER 1 LEVEL	EST.	G-101	GEOTUBE DEWATERING BOX				74%	75%	75%	76%
GEOTUBE CONTAINER 2 LEVEL	EST.	G-102	GEOTUBE DEWATERING BOX				52%	52%	54%	55%
GEOTUBE DISPOSAL	Y/N	G-101/G-102	GEOTUBE DEWATERING BOX				NIO	NIO	NIO	NIO
GEOTUBE DISPOSAL QTY	TON	G-101/G-102	WEIGHT OF MATERIAL DISPOSED				0	0	0	0
POLYMER PUMP RUNNING	Y/N	P-205	POLY ADD TO SLUDGE				Yes	Yes	Yes	Yes
POLYMER DOSE	GPM	FE-205	POLY FLOW TO SLUDGE				.616	.595	.506	.590
POLYMER TANK LEVEL	% Full	T-205	POLYMER LEVEL IN TANK				11"	5"	10"	11"
FILTRATION SYSTEM										
SAND FILTER A IN-USE	Y/N	TA-105A	SAND FILTER				Yes	Yes	Yes	Yes
SAND FILTER A BACKWASH	Y/N	TA-105A	SAND FILTER				Yes	Yes	Yes	Yes
INLET PRESSURE	PSI	PI-105A/PI-703	INLET PRESSURE TO SAND				42	38	39	40
OUTLET PRESSURE	PSI	PDSH-105A	OUTLET PRESS. TO BAG FIL.				18	18	18	18
PRESSURE DIFFERENTIAL	PSI	PDSH-105A	PRESSURE DIFFERENTIAL				24	20	21	22
SAND FILTER B IN-USE	Y/N	TA-105B	SAND FILTER				Yes	Yes	Yes	Yes
SAND FILTER B BACKWASH	Y/N	TA-105B	SAND FILTER				Yes	Yes	Yes	Yes
INLET PRESSURE	PSI	PI-105B/PI-703	INLET PRESSURE TO SAND				40	38	39	40
OUTLET PRESSURE	PSI	PDSH-105B	OUTLET PRESS. TO BAG FIL.				18	18	20	20
PRESSURE DIFFERENTIAL	PSI	PDSH-105B	PRESSURE DIFFERENTIAL				30	20	19	20
BAG FILTER 701 IN-USE	Y/N	F-701A	10, 5 and 1 MICRON BAG FILTER				Yes	Yes	Yes	Yes
INLET PRESSURE	PSI	PI-701A	INLET PRESSURE IN BF				42	15	20	18
OUTLET PRESSURE	PSI	PI-704	OUTLET PRESSURE IN BF				10	14	10	10
PRESSURE DIFFERENTIAL	PSI	PDSH-701A	PRESSURE DIFFERENTIAL				32	1	10	8
BAG CHANGES	Y/N	F-701A	BAG FILTER				Yes	Yes	NIO	Yes
BAG FILTER 702 IN-USE	Y/N	F-702A	10, 5 and 1 MICRON BAG FILTER				Yes	Yes	Yes	Yes
INLET PRESSURE	PSI	PI-702A	INLET PRESSURE IN BF				10	15	26	19
OUTLET PRESSURE	PSI	PI-704	OUTLET PRESSURE IN BF				10	10	10	10
PRESSURE DIFFERENTIAL	PSI	PDSH-702A	PRESSURE DIFFERENTIAL				0	5	10	9
BAG CHANGE	Y/N	F-702A	BAG FILTER				Yes	Yes	NIO	Yes

OPERATIONS LOG SHEET
 ENHANCED SEEP COLLECTION SYSTEM
 GENERAL ELECTRIC MAIN PLANT
 SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	1/15/20	1/16/20	1/17/20	1/20/20
				TIME:	12:00	2:00	1:00	6:35
				INITIALS:	S.H.	S.H.	S.H.	S.H.
CARBON FILTER 1 IN-USE	Y/N	TA-106A	CARBON FILTER		Yes	Yes	Yes	Yes
CARBON FILTER 1 BACKWASH	Y/N	TA-106A	CARBON FILTER		NO	NO	NO	NO
INLET PRESSURE	PSI	PI-106A	INLET PRESSURE FROM BF		5	5	5	5
OUTLET PRESSURE	PSI	PI-106B	OUTLET PRESS. TO EFF-TK		8 10	11	11	10
PRESSURE DIFFERENTIAL	PSI		PRESSURE DIFFERENTIAL		5	6	6	5
CARBON FILTER 2 IN-USE	Y/N	TA-106B	CARBON FILTER		Yes	Yes	Yes	Yes
CARBON FILTER 2 BACKWASH	Y/N	TA-106B	CARBON FILTER		NO	NO	NO	NO
INLET PRESSURE	PSI	PI-106B	INLET PRESSURE FROM BF		6	6	6	6
OUTLET PRESSURE	PSI		OUTLET PRESS. TO EFF-TK		10	12	12	12
PRESSURE DIFFERENTIAL	PSI		PRESSURE DIFFERENTIAL		4	6	6	6
BACKWASH PUMP A RUN	Y/N	P-305A	BACKWASH PUMP TO FILT.		Yes	Yes	Yes	Yes
BACKWASH PRESSURE	PSI	PI-305A	BACKWASH PRESSURE		95	111	114	110
BACKWASH PUMP B RUN	Y/N	P-305B	BACKWASH PUMP TO FILT.		NO	NO	NO	NO
BACKWASH PRESSURE	PSI	PI-305B	BACKWASH PRESSURE		90	90	90	90
EFFLUENT AND FINAL HOLDING TANK (T-107 AND T-401)								
EFFLUENT FLOW METER	GPM	FQIT-107	FLOW RATE FROM FILTERS		45.23	53.52	52.26	47.35
EFF. FLOW METER TOTAL	TOT.	FQIT-107	TOTAL FLOW		6008122	6050343	6091437	6220835
EFFLUENT TANK LEVEL	inwc	T-107	TANK LEVEL		85.75"	101.32	99.61	104.41
pH METER	SU	AIT-107	EFF. pH		7.95	7.85	7.75	7.67
DISSOLVED OXYGEN (DOM-107)	DO	AIT-107A	EFF. DO READING		7.93	7.67	7.91	8.22
TURBIDITY (TBM-107)	NTU	AIT-107B	EFF. TURBIDITY		.048	.049	.049	0.48
FINAL HOLDING TANK LEVEL	FEET	T-401	FH TK LEVEL		3'	3'	3'	3'
IRRIG. PUMP RUNNING	Y/N	P-401	IRRIGATION SYSTEM		NO	NO	NO	NO
VFD RATE	Hz	P-401	IRRIGATION SYSTEM		0	0	0	0
GRAVITY OUTFALL IN-USE	Y/N	OF-101	OUTFALL TO POENTIC KILL		Yes	Yes	Yes	Yes
BUILDING SYSTEM COMPONENTS								
EXHAUST FAN NW IN-USE	Y/N	EF-1	EXHAUST FANS		NO	NO	NO	NO
EXHAUST FAN NE IN-USE	Y/N	EF-2	EXHAUST FANS		NO	NO	NO	NO
BUILDING HEATERS IN-USE	Y/N	UH-1-8	HEATERS		Yes	Yes	Yes	Yes
BUILDING TEMPERATURE	DEG. F		BLDG. TEMP		70°	70°	70°	60°
OVERHEAD DOOR SW OPER.	Y/N		OVERHEAD DOOR		Yes	Yes	Yes	Yes
OVERHEAD DOOR NE OPER.	Y/N		OVERHEAD DOOR		Yes	Yes	Yes	Yes
OVERHEAD DOOR SE OPER.	Y/N		OVERHEAD DOOR		Yes	Yes	Yes	Yes
BLDG CONT SYS OPERATIONAL	Y/N		REMOTE TELEMETRY SYS		Yes	Yes	Yes	Yes
GENERAL COMMENTS								

OPERATIONS LOG SHEET
ENHANCED SEEP COLLECTION SYSTEM
GENERAL ELECTRIC MAIN PLANT
SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	1/21/20	1/22/20	1/23/20	1/24/20
				TIME:	4:00	1:00	1:15	2:00
				INITIALS:	S.H	S.H	S.H	S.H
SEEP COLLECTION PUMP STATIONS (SEEP 1 - 4, SEEP 5 AND SEEP 6)								
SEEP 1 - 4 PUMP RUN	Y/N	P-100A	SEEP 1-4 P-STATION PUMP		Yes	Yes	Yes	Yes
SEEP 5 PUMP RUN	Y/N	P-100B	SEEP 5 P-STATION PUMP		Yes	Yes	Yes	Yes
SEEP 6 PUMP RUN	Y/N	P-100C	SEEP 6 P-STATION PUMP		N/O	N/O	N/O	No
INFLUENT TANK (T-101)								
FLOW METER - 100A (FM-A)	GPM	FQIT-100A	S1-4 IN-FLOW		21.04	20.46	19.89	20.10
FLOW METER - 100B (FM-B)	GPM	FQIT-100B	S5 IN-FLOW		13.60	14.51	16.83	16.80
FLOW METER - 100C (FM-C)	GPM	FQIT-100C	S6 IN-FLOW		0	0	0	0
FLOW METER - 101	GPM	FQIT-101	INF TK OUT-FLOW		39.89	37.43	39.54	36.40
FLOW METER - 100A	TOTAL	FQIT-100A	S1-4 IN-FLOW		16669833	16655484	16724744	16750122
FLOW METER - 100B	TOTAL	FQIT-100B	S5 IN-FLOW		3150686	3168171	3189350	3214231
FLOW METER - 100C	TOTAL	FQIT-100C	S6 IN-FLOW		648682	648682	648682	648682
FLOW METER - 101	TOTAL	FQIT-101	INF TK OUT-FLOW		8387851	8374714	8426710	8422307
BLOWER RUNNING	Y/N	B-101	INF TK BLOWER		Yes	Yes	Yes	Yes
BLOWER PRESSURE	PSI	PI-101	INF TK BLOWER PRESS.		5	6	6	6
VFD RATE	Hz	B-101	INF TK BLOWER VFD		50.00	49.98	49.94	50.00
INF Ph	SU	AIT-101	pH FOR INF. WATER		7.54	7.36	7.59	7.64
pH Probe checked	Y/N	AIT-101	pH Probe at influent tank		Yes	Yes	Yes	Yes
pH Probe clean (1X/week min)	Y/N	AIT-101	pH Probe at influent tank.		Yes	Yes	Yes	Yes
INF TANK LEVEL	inwc	T-101	LEVEL TRANSMIT.		59.80	59.89	71.91	40.81
RECIRC PUMP RUNNING	Y/N	P-102	IN TK RECIRC PUMP		Yes	Yes	Yes	Yes
VFD RATE	Hz	P-102	IN TK RECIRC VFD		40.00	40.00	38.00	38.00
CAUSTIC PUMP RUNNING	Y/N	P-201	IN TK CAUSTIC ADD		Yes	Yes	Yes	Yes
CAUSTIC TANK LEVEL	L	T-201	IN TK CAUSTIC ADD		62 gal	60 gal	59 gal	0
CAUSTIC USAGE	GAL	T-201	CAUSTIC USAGE		66 gal	62 gallons	60 gal.	59 gal
CAUSTIC USAGE	TOT	T-201	CAUSTIC USAGE		0	8 gallons	2 gal	1 gal
CLARIFIER SYSTEM (T-103B)								
FLASH MIX TANK MIXER RUN.	Y/N	M-102	COAG MIXER		Yes	Yes	Yes	Yes
COAGULANT PUMP RUNNING	Y/N	P-202	COAG PUMP		Yes	Yes	Yes	Yes
COAGULANT LEVEL	% Full	T-202	COAG TANK		30 gal / 20"	35 gal / 19"	33 gal / 18"	30 gal / 17"
COAGULANT DOSE RATE	mg/l	FE-202	COAG FLOW TO TANK		18.00 mg/L	18.00 mg/L	18 mg/L	18 mg/L
FLOC TANK MIXER RUNNING	Y/N	M-103A	FLOC MIXER		Yes	Yes	Yes	Yes
FLOCCULANT PUMP RUNNING	Y/N	P-203	FLOC PUMP		Yes	Yes	Yes	Yes
FLOC LEVEL	% Full	T-203	FLOC TANK LEVEL		5 gal. 11"	4.5 gal. 10 1/2"	4.5 gal 10 1/2"	4.5 10"
FLOCCULANT DOSE RATE	GPM	FE-203	DILUTED FLOC TO FLOC MIX TK		1.50 mg/L	1.50 mg/L	1.50 mg/L	1.50 mg/L
CLARIFIER RAKE MIXER RUN.	Y/N	M-103B	CLARIFIER MIXER		Yes	Yes	Yes	Yes
CLARIFIER SLUDGE PUMP RUN.	Y/N	P-103	SLUDGE PUMP TO GEOTUBE		Yes	Yes	Yes	Yes
AIR COMPRESSOR RUNNING	Y/N	C-302	SLUDGE PUMP POWER		Yes	Yes	Yes	Yes

OPERATIONS LOG SHEET
ENHANCED SEEP COLLECTION SYSTEM
GENERAL ELECTRIC MAIN PLANT
SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	1/21/20	1/22/20	1/23/20	1/24/20
				TIME:	4:00	1:00	1:15	2:00
				INITIALS:	J.H.	S.H.	S.H.	S.H.
AIR COMPRESSOR PRESSURE	PSI	PI-302	AIR COMP. PRESSURE		145	160	160	140
CLARIFIER EFF TANK LEVEL	FEET	T-104	GRAVITY TANK POST CLAR.		2'4"	3'2"	2'10"	2'10"
CLARIFIER EFF PUMP A RUN	Y/N	P-104A	PUMP TO FILTRATION		Yes	Yes	Yes	Yes
VFD RATE	Hz	P-104A	PUMP RATE TO FILTRATION		35.00	30.00	32.00	60.00
CLARIFIER EFF. PUMP PRESSURE	PSI	PI-104A	PUMP PRESSURE TO FILT.		20	30	32	30
CLARIFIER EFF PUMP B RUN	Y/N	P-104B	PUMP TO FILTRATION		NO	NO	NO	NO
VFD RATE	Hz	P-104B	PUMP RATE TO FILTRATION		0	0	0	0
CLARIFIER EFF. PUMP PRESSURE	PSI	PI-104B	PUMP PRESSURE TO FILT.		0	0	0	0
GEOTUBE SYSTEM								
GEOTUBE CONTAINER 1 LEVEL	EST.	G-101	GEOTUBE DEWATERING BOX		74%	74%	74%	74
GEOTUBE CONTAINER 2 LEVEL	EST.	G-102	GEOTUBE DEWATERING BOX		72%	70%	70%	70
GEOTUBE DISPOSAL	Y/N	G-101/G-102	GEOTUBE DEWATERING BOX		NO	NO	NO	NO
GEOTUBE DISPOSAL QTY	TON	G-101/G-102	WEIGHT OF MATERIAL DISPOSED		0	0	0	0
POLYMER PUMP RUNNING	Y/N	P-205	POLY ADD TO SLUDGE		Yes	Yes	Yes	Yes
POLYMER DOSE	GPM	FE-205	POLY FLOW TO SLUDGE		.506	.506	.590	.559
POLYMER TANK LEVEL	% Full	T-205	POLYMER LEVEL IN TANK		9"	7"	5"	10"
FILTRATION SYSTEM								
SAND FILTER A IN-USE	Y/N	TA-105A	SAND FILTER		Yes	Yes	Yes	Yes
SAND FILTER A BACKWASH	Y/N	TA-105A	SAND FILTER		Yes	NO	Yes	Yes
INLET PRESSURE	PSI	PI-105A/PI-703	INLET PRESSURE TO SAND		18	26	24	24
OUTLET PRESSURE	PSI	PDSH-105A	OUTLET PRESS. TO BAG FIL.		16	22	10	10
PRESSURE DIFFERENTIAL	PSI	PDSH-105A	PRESSURE DIFFERENTIAL		2	4	14	14
SAND FILTER B IN-USE	Y/N	TA-105B	SAND FILTER		Yes	Yes	Yes	Yes
SAND FILTER B BACKWASH	Y/N	TA-105B	SAND FILTER		Yes	NO	Yes	Yes
INLET PRESSURE	PSI	PI-105B/PI-703	INLET PRESSURE TO SAND		18	26	26	24
OUTLET PRESSURE	PSI	PDSH-105B	OUTLET PRESS. TO BAG FIL.		17	22	10	10
PRESSURE DIFFERENTIAL	PSI	PDSH-105B	PRESSURE DIFFERENTIAL		1	4	16	14
BAG FILTER 701 IN-USE	Y/N	F-701A	10, 5 and 1 MICRON BAG FILTER		Yes	Yes	Yes	Yes
INLET PRESSURE	PSI	PI-701A	INLET PRESSURE IN BF		12	26	12	12
OUTLET PRESSURE	PSI	PI-704	OUTLET PRESSURE IN BF		10	21	11	14
PRESSURE DIFFERENTIAL	PSI	PDSH-701A	PRESSURE DIFFERENTIAL		2	5	0	2
BAG CHANGES	Y/N	F-701A	BAG FILTER		Yes	NO	NO	NO
BAG FILTER 702 IN-USE	Y/N	F-702A	10, 5 and 1 MICRON BAG FILTER		Yes	Yes	Yes	Yes
INLET PRESSURE	PSI	PI-702A	INLET PRESSURE IN BF		14	15	12	15
OUTLET PRESSURE	PSI	PI-704	OUTLET PRESSURE IN BF		10	12	10	10
PRESSURE DIFFERENTIAL	PSI	PDSH-702A	PRESSURE DIFFERENTIAL		4	23	2	8
BAG CHANGE	Y/N	F-702A	BAG FILTER		Yes	NO	NO	NO

OPERATIONS LOG SHEET
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SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	1/21/20	1/22/20	1/23/20	1/24/20
				TIME:	4:00	1:00	1:15	2:00
				INITIALS:	S.H	S.H	S.H	S.H
CARBON FILTER 1 IN-USE	Y/N	TA-106A	CARBON FILTER		Yes	Yes	Yes	Yes
CARBON FILTER 1 BACKWASH	Y/N	TA-106A	CARBON FILTER		Yes NO	NO	NO	NO
INLET PRESSURE	PSI	PI-106A	INLET PRESSURE FROM BF		5	5	5	5
OUTLET PRESSURE	PSI	PI-106B	OUTLET PRESS. TO EFF-TK		11	8	9	9
PRESSURE DIFFERENTIAL	PSI		PRESSURE DIFFERENTIAL		6	3	4	4
CARBON FILTER 2 IN-USE	Y/N	TA-106B	CARBON FILTER		Yes	Yes	Yes	Yes
CARBON FILTER 2 BACKWASH	Y/N	TA-106B	CARBON FILTER		NO	NO	NO	NO
INLET PRESSURE	PSI	PI-106B	INLET PRESSURE FROM BF		6	7	6	6
OUTLET PRESSURE	PSI		OUTLET PRESS. TO EFF-TK		12	10	10	10
PRESSURE DIFFERENTIAL	PSI		PRESSURE DIFFERENTIAL		8	3	4	4
BACKWASH PUMP A RUN	Y/N	P-305A	BACKWASH PUMP TO FILT.		Yes	Yes	Yes	Yes
BACKWASH PRESSURE	PSI	PI-305A	BACKWASH PRESSURE		90	90	95	95
BACKWASH PUMP B RUN	Y/N	P-305B	BACKWASH PUMP TO FILT.		NO	NO	NO	NO
BACKWASH PRESSURE	PSI	PI-305B	BACKWASH PRESSURE		90	90	90	90
EFFLUENT AND FINAL HOLDING TANK (T-107 AND T-401)								
EFFLUENT FLOW METER	GPM	FQIT-107	FLOW RATE FROM FILTERS		52.55	36.67	39.73	40.26
EFF. FLOW METER TOTAL	TOT.	FQIT-107	TOTAL FLOW		6256333	6291147	6331643	6376413
EFFLUENT TANK LEVEL	inwc	T-107	TANK LEVEL		87.46	105.67	100.22	104.03
pH METER	SU	AIT-107	EFF. pH		7.67	7.61	7.70	7.65
DISSOLVED OXYGEN (DOM-107)	DO	AIT-107A	EFF. DO READING		9.21	8.01	7.78	8.22
TURBIDITY (TBM-107)	NTU	AIT-107B	EFF. TURBIDITY		0.49	0.48	0.49	0.48
FINAL HOLDING TANK LEVEL	FEET	T-401	FH TK LEVEL		3	3	3	3
IRRIG. PUMP RUNNING	Y/N	P-401	IRRIGATION SYSTEM		NO	NO	NO	NO
VFD RATE	Hz	P-401	IRRIGATION SYSTEM		0	0	0	0
GRAVITY OUTFALL IN-USE	Y/N	OF-101	OUTFALL TO POENTIC KILL		Yes	Yes	Yes	Yes
BUILDING SYSTEM COMPONENTS								
EXHAUST FAN NW IN-USE	Y/N	EF-1	EXHAUST FANS		NO	NO	NO	NO
EXHAUST FAN NE IN-USE	Y/N	EF-2	EXHAUST FANS		NO	NO	NO	NO
BUILDING HEATERS IN-USE	Y/N	UH-1-8	HEATERS		Yes	Yes	Yes	Yes
BUILDING TEMPERATURE	DEG. F		BLDG. TEMP		65°	65°	65°	65°
OVERHEAD DOOR SW OPER.	Y/N		OVERHEAD DOOR		Yes	Yes	Yes	Yes
OVERHEAD DOOR NE OPER.	Y/N		OVERHEAD DOOR		Yes	Yes	Yes	Yes
OVERHEAD DOOR SE OPER.	Y/N		OVERHEAD DOOR		Yes	Yes	Yes	Yes
BLDG CONT SYS OPERATIONAL	Y/N		REMOTE TELEMETRY SYS		Yes	Yes	Yes	Yes
GENERAL COMMENTS								

OPERATIONS LOG SHEET
ENHANCED SEEP COLLECTION SYSTEM
GENERAL ELECTRIC MAIN PLANT
SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	1/27/20	1/28/20	1/29/20	1/30/20
				TIME:	2:15	2:15	1:30	2:00
				INITIALS:	S.H	S.H	S.H	S.H
SEEP COLLECTION PUMP STATIONS (SEEP 1 - 4, SEEP 5 AND SEEP 6)								
SEEP 1 - 4 PUMP RUN	Y/N	P-100A	SEEP 1-4 P-STATION PUMP		Yes	Yes	Yes	Yes
SEEP 5 PUMP RUN	Y/N	P-100B	SEEP 5 P-STATION PUMP		Yes	Yes	Yes	Yes
SEEP 6 PUMP RUN	Y/N	P-100C	SEEP 6 P-STATION PUMP		NO	NO	NO	NO
INFLUENT TANK (T-101)								
FLOW METER - 100A (FM-A)	GPM	FQIT-100A	S1-4 IN-FLOW		20.08	20.11	19.80	20.37
FLOW METER - 100B (FM-B)	GPM	FQIT-100B	S5 IN-FLOW		17.56	17.51	19.51	18.75
FLOW METER - 100C (FM-C)	GPM	FQIT-100C	S6 IN-FLOW		0	0	0	0
FLOW METER - 101	GPM	FQIT-101	INF TK OUT-FLOW		37.69	37.88	35.01	39.87
FLOW METER - 100A	TOTAL	FQIT-100A	S1-4 IN-FLOW		16777216	16777216	1730865	3191
FLOW METER - 100B	TOTAL	FQIT-100B	S5 IN-FLOW		3287758	3312572	3337297	3366498
FLOW METER - 100C	TOTAL	FQIT-100C	S6 IN-FLOW		648682	648682	648682	648682
FLOW METER - 101	TOTAL	FQIT-101	INF TK OUT-FLOW		8639157	8692757	8745269	8803625
BLOWER RUNNING	Y/N	B-101	INF TK BLOWER		Yes	Yes	Yes	Yes
BLOWER PRESSURE	PSI	PI-101	INF TK BLOWER PRESS.		6	6	6	6
VFD RATE	Hz	B-101	INF TK BLOWER VFD		50.00	50.00	50.00	50.00
INF Ph	SU	AIT-101	pH FOR INF. WATER		7.61	7.65	7.56	7.57
pH Probe checked	Y/N	AIT-101	pH Probe at influent tank		Yes	Yes	Yes	Yes
pH Probe clean (1X/week min)	Y/N	AIT-101	pH Probe at influent tank		Yes	Yes	Yes	Yes
INF TANK LEVEL	inwc	T-101	LEVEL TRANSMIT.		61.23	60.23	33.43	69.95
RECIRC PUMP RUNNING	Y/N	P-102	IN TK RECIRC PUMP		Yes	Yes	Yes	Yes
VFD RATE	Hz	P-102	IN TK RECIRC VFD		38.00	38.00	38.00	38.00
CAUSTIC PUMP RUNNING	Y/N	P-201	IN TK CAUSTIC ADD		Yes	Yes	Yes	Yes
CAUSTIC TANK LEVEL	L	T-201	IN TK CAUSTIC ADD		58 GAL.	58 GAL	58 GAL	58 GAL
CAUSTIC USAGE	GAL	T-201	CAUSTIC USAGE		1 GAL.	0	0	0
CAUSTIC USAGE	TOT	T-201	CAUSTIC USAGE		1.6 GAL	0	0	0
CLARIFIER SYSTEM (T-103B)								
FLASH MIX TANK MIXER RUN.	Y/N	M-102	COAG MIXER		Yes	Yes	Yes	Yes
COAGULANT PUMP RUNNING	Y/N	P-202	COAG PUMP		Yes	Yes	Yes	Yes
COAGULANT LEVEL	% Full	T-202	COAG TANK		76 gal/35 1/2"	74 gal/30 1/2"	78 gal/42"	76 gal/40 1/2"
COAGULANT DOSE RATE	mg/l	FE-202	COAG FLOW TO TANK		18 mg/l	18 mg/l	18 mg/l	18 mg/l
FLOC TANK MIXER RUNNING	Y/N	M-103A	FLOC MIXER		Yes	Yes	Yes	Yes
FLOCCULANT PUMP RUNNING	Y/N	P-203	FLOC PUMP		Yes	Yes	Yes	Yes
FLOC LEVEL	% Full	T-203	FLOC TANK LEVEL		35 gal/7 1/2"	3 gal/6 1/2"	2 1/2 gal 5 1/2"	2 1/2 gal 4 1/2"
FLOCCULANT DOSE RATE	GPM	FE-203	DILUTED FLOC TO FLOC MIX TK		1.50 mg/l	1.50 mg/l	1.50 mg/l	1.50 mg/l
CLARIFIER RAKE MIXER RUN.	Y/N	M-103B	CLARIFIER MIXER		Yes	Yes	Yes	Yes
CLARIFIER SLUDGE PUMP RUN.	Y/N	P-103	SLUDGE PUMP TO GEOTUBE		Yes	Yes	Yes	Yes
AIR COMPRESSOR RUNNING	Y/N	C-302	SLUDGE PUMP POWER		Yes	Yes	Yes	Yes

OPERATIONS LOG SHEET
ENHANCED SEEP COLLECTION SYSTEM
GENERAL ELECTRIC MAIN PLANT
SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	1/27/20	1/28/20	1/29/20	1/30/20
				TIME:	2:15	2:15	1:30	2:00
				INITIALS:	S.H	S.H	S.H	S.H
AIR COMPRESSOR PRESSURE	PSI	PI-302	AIR COMP. PRESSURE		145	150	145	145
CLARIFIER EFF TANK LEVEL	FEET	T-104	GRAVITY TANK POST CLAR.		2' 6"	3' 3"	3'	2' 4"
CLARIFIER EFF PUMP A RUN	Y/N	P-104A	PUMP TO FILTRATION		Yes	Yes	Yes	Yes
VFD RATE	Hz	P-104A	PUMP RATE TO FILTRATION		31.95	32.02	32.00	32
CLARIFIER EFF. PUMP PRESSURE	PSI	PI-104A	PUMP PRESSURE TO FILT.		30	24	26	28
CLARIFIER EFF PUMP B RUN	Y/N	P-104B	PUMP TO FILTRATION		NO	NO	NO	X10
VFD RATE	Hz	P-104B	PUMP RATE TO FILTRATION		0	0	0	0
CLARIFIER EFF. PUMP PRESSURE	PSI	PI-104B	PUMP PRESSURE TO FILT.		0	0	0	0
GEOTUBE SYSTEM								
GEOTUBE CONTAINER 1 LEVEL	EST.	G-101	GEOTUBE DEWATERING BOX		70%	80%	80%	80%
GEOTUBE CONTAINER 2 LEVEL	EST.	G-102	GEOTUBE DEWATERING BOX		60%	60%	60%	60%
GEOTUBE DISPOSAL	Y/N	G-101/G-102	GEOTUBE DEWATERING BOX		NO	NO	NO	NO
GEOTUBE DISPOSAL QTY	TON	G-101/G-102	WEIGHT OF MATERIAL DISPOSED		0	0	0	0
POLYMER PUMP RUNNING	Y/N	P-205	POLY ADD TO SLUDGE		Yes	Yes	Yes	Yes
POLYMER DOSE	GPM	FE-205	POLY FLOW TO SLUDGE		.534	.534	.534	.534
POLYMER TANK LEVEL	% Full	T-205	POLYMER LEVEL IN TANK		11"	9"	7"	5"
FILTRATION SYSTEM								
SAND FILTER A IN-USE	Y/N	TA-105A	SAND FILTER		Yes	Yes	Yes	Yes
SAND FILTER A BACKWASH	Y/N	TA-105A	SAND FILTER		Yes	Yes	Yes	Yes
INLET PRESSURE	PSI	PI-105A/PI-703	INLET PRESSURE TO SAND		30	20	22	22
OUTLET PRESSURE	PSI	PDSH-105A	OUTLET PRESS. TO BAG FIL.		19	10	10	10
PRESSURE DIFFERENTIAL	PSI	PDSH-105A	PRESSURE DIFFERENTIAL		11	10	12	12
SAND FILTER B IN-USE	Y/N	TA-105B	SAND FILTER		Yes	Yes	Yes	Yes
SAND FILTER B BACKWASH	Y/N	TA-105B	SAND FILTER		Yes	Yes	Yes	Yes
INLET PRESSURE	PSI	PI-105B/PI-703	INLET PRESSURE TO SAND		29	20	22	22
OUTLET PRESSURE	PSI	PDSH-105B	OUTLET PRESS. TO BAG FIL.		19	10	10	10
PRESSURE DIFFERENTIAL	PSI	PDSH-105B	PRESSURE DIFFERENTIAL		10	10	12	12
BAG FILTER 701 IN-USE	Y/N	F-701A	10, 5 and 1 MICRON BAG FILTER		Yes	Yes	Yes	Yes
INLET PRESSURE	PSI	PI-701A	INLET PRESSURE IN BF		16	10	9	9
OUTLET PRESSURE	PSI	PI-704	OUTLET PRESSURE IN BF		20	10	11	11
PRESSURE DIFFERENTIAL	PSI	PDSH-701A	PRESSURE DIFFERENTIAL		4	0	2	2
BAG CHANGES	Y/N	F-701A	BAG FILTER		Yes-10mic	Yes-5mic	NO	NO
BAG FILTER 702 IN-USE	Y/N	F-702A	10, 5 and 1 MICRON BAG FILTER		Yes	Yes	Yes	Yes
INLET PRESSURE	PSI	PI-702A	INLET PRESSURE IN BF		19	10	11	11
OUTLET PRESSURE	PSI	PI-704	OUTLET PRESSURE IN BF		15	10	10	10
PRESSURE DIFFERENTIAL	PSI	PDSH-702A	PRESSURE DIFFERENTIAL		4	0	1	1
BAG CHANGE	Y/N	F-702A	BAG FILTER		Yes-10mic	Yes-5mic	NO	NO

OPERATIONS LOG SHEET
ENHANCED SEEP COLLECTION SYSTEM
GENERAL ELECTRIC MAIN PLANT
SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	1/27/20	1/28/20	1/29/20	1/30/20
				TIME:	2:15	2:15	1:30	2:00
				INITIALS:	S.H	S.H	S.H	S.H
CARBON FILTER 1 IN-USE	Y/N	TA-106A	CARBON FILTER		Yes	Yes	Yes	Yes
CARBON FILTER 1 BACKWASH	Y/N	TA-106A	CARBON FILTER		No	No	No	No
INLET PRESSURE	PSI	PI-106A	INLET PRESSURE FROM BF		5	5	5	5
OUTLET PRESSURE	PSI	PI-106B	OUTLET PRESS. TO EFF-TK		9	10	10	10
PRESSURE DIFFERENTIAL	PSI		PRESSURE DIFFERENTIAL		4	5	5	5
CARBON FILTER 2 IN-USE	Y/N	TA-106B	CARBON FILTER		Yes	Yes	Yes	Yes
CARBON FILTER 2 BACKWASH	Y/N	TA-106B	CARBON FILTER		No	No	No	No
INLET PRESSURE	PSI	PI-106B	INLET PRESSURE FROM BF		6	6	6	6
OUTLET PRESSURE	PSI		OUTLET PRESS. TO EFF-TK		9	10	10	10
PRESSURE DIFFERENTIAL	PSI		PRESSURE DIFFERENTIAL		3	4	4	4
BACKWASH PUMP A RUN	Y/N	P-305A	BACKWASH PUMP TO FILT.		Yes	Yes	No	No
BACKWASH PRESSURE	PSI	PI-305A	BACKWASH PRESSURE		95	95	0	0
BACKWASH PUMP B RUN	Y/N	P-305B	BACKWASH PUMP TO FILT.		No	No	Yes	Yes
BACKWASH PRESSURE	PSI	PI-308A	BACKWASH PRESSURE		0	0	95	95
EFFLUENT AND FINAL HOLDING TANK (T-107 AND T-401)								
EFFLUENT FLOW METER	GPM	FQIT-107	FLOW RATE FROM FILTERS		38.79	43.70	42.47	41.28
EFF. FLOW METER TOTAL	TOT.	FQIT-107	TOTAL FLOW		6502082	6544491	6586011	6632193
EFFLUENT TANK LEVEL	inwc	T-107	TANK LEVEL		106.49	86.25	103.78	90.52
pH METER	SU	AIT-107	EFF. pH		7.59	7.61	7.66	7.68
DISSOLVED OXYGEN (DOM-107)	DO	AIT-107A	EFF. DO READING		8.02	8.36	8.13	8.17
TURBIDITY (TBM-107)	NTU	AIT-107B	EFF. TURBIDITY		0.48	0.48	0.48	0.48
FINAL HOLDING TANK LEVEL	FEET	T-401	FH TK LEVEL		3'	3'	3'	3'
IRRIG. PUMP RUNNING	Y/N	P-401	IRRIGATION SYSTEM		No	No	No	No
VFD RATE	Hz	P-401	IRRIGATION SYSTEM		0	0	0	0
GRAVITY OUTFALL IN-USE	Y/N	OF-101	OUTFALL TO POENTIC KILL		Yes	Yes	Yes	Yes
BUILDING SYSTEM COMPONENTS								
EXHAUST FAN NW IN-USE	Y/N	EF-1	EXHAUST FANS		No	No	No	No
EXHAUST FAN NE IN-USE	Y/N	EF-2	EXHAUST FANS		No	No	No	No
BUILDING HEATERS IN-USE	Y/N	UH-1-8	HEATERS		Yes	Yes	Yes	Yes
BUILDING TEMPERATURE	DEG. F		BLDG. TEMP		65°	65°	65°	65°
OVERHEAD DOOR SW OPER.	Y/N		OVERHEAD DOOR		Yes	Yes	Yes	Yes
OVERHEAD DOOR NE OPER.	Y/N		OVERHEAD DOOR		Yes	Yes	Yes	Yes
OVERHEAD DOOR SE OPER.	Y/N		OVERHEAD DOOR		Yes	Yes	Yes	Yes
BLDG CONT SYS OPERATIONAL	Y/N		REMOTE TELEMETRY SYS		Yes	Yes	Yes	Yes
GENERAL COMMENTS								

**OPERATIONS LOG SHEET
ENHANCED SEEP COLLECTION SYSTEM
GENERAL ELECTRIC MAIN PLANT
SCHENECTADY, NEW YORK**

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	TIME:	INITIALS:		
				12/1/20	2/3/20	2/4/20	2/5/20	
				2:00	2:00	2:00	2:00	
				S.H	S.H	S.H	S.H	
SEEP COLLECTION PUMP STATIONS (SEEP 1 - 4, SEEP 5 AND SEEP 6)								
SEEP 1 - 4 PUMP RUN	Y/N	P-100A	SEEP 1-4 P-STATION PUMP		Yes	Yes	Yes	Yes
SEEP 5 PUMP RUN	Y/N	P-100B	SEEP 5 P-STATION PUMP		Yes	Yes	Yes	Yes
SEEP 6 PUMP RUN	Y/N	P-100C	SEEP 6 P-STATION PUMP		No	N/A	N/A	N/A
INFLUENT TANK (T-101)								
FLOW METER - 100A (FM-A)	GPM	FQIT-100A	S1-4 IN-FLOW		20.33	19.30	18.90	17.34
FLOW METER - 100B (FM-B)	GPM	FQIT-100B	S5 IN-FLOW		17.24	14.21	13.32	12.03
FLOW METER - 100C (FM-C)	GPM	FQIT-100C	S6 IN-FLOW		0	0	0	0
FLOW METER - 101	GPM	FQIT-101	INF TK OUT-FLOW		40.11	40.68	40.65	36.07
FLOW METER - 100A	TOTAL	FQIT-100A	S1-4 IN-FLOW		27.957	112024	139610	166390
FLOW METER - 100B	TOTAL	FQIT-100B	S5 IN-FLOW		3390310	3456835	3374305	3492097
FLOW METER - 100C	TOTAL	FQIT-100C	S6 IN-FLOW		648682	648682	648682	648682
FLOW METER - 101	TOTAL	FQIT-101	INF TK OUT-FLOW		9856687	9016148	9066529	9114443
BLOWER RUNNING	Y/N	B-101	INF TK BLOWER		Yes	Yes	Yes	Yes
BLOWER PRESSURE	PSI	PI-101	INF TK BLOWER PRESS.		6	6	6	6
VFD RATE	Hz	B-101	INF TK BLOWER VFD		49.91	50.00	50.00	50.00
INF Ph	SU	AIT-101	pH FOR INF. WATER		7.80	7.60	7.80	7.62
pH Probe checked	Y/N	AIT-101	pH Probe at influent tank		Yes	Yes	Yes, cleaned	Yes
pH Probe clean (1X/week min)	Y/N	AIT-101	pH Probe at influent tank		Yes	Yes	Yes	Yes
INF TANK LEVEL	inwc	T-101	LEVEL TRANSMIT.		71.76	80.45	80.12	18.59
RECIRC PUMP RUNNING	Y/N	P-102	IN TK RECIRC PUMP		Yes	Yes	Yes	Yes
VFD RATE	Hz	P-102	IN TK RECIRC VFD		41.00	41.00	41.00	41.00
CAUSTIC PUMP RUNNING	Y/N	P-201	IN TK CAUSTIC ADD		Yes	Yes	Yes	Yes
CAUSTIC TANK LEVEL	L	T-201	IN TK CAUSTIC ADD		58 gal	57.5 gal	57 gal	56.5 gal
CAUSTIC USAGE	GAL	T-201	CAUSTIC USAGE		0	.5 gal	.5	.5
CAUSTIC USAGE	TOT	T-201	CAUSTIC USAGE		0	.5 gal	.5	.5
CLARIFIER SYSTEM (T-103B)								
FLASH MIX TANK MIXER RUN.	Y/N	M-102	COAG MIXER		Yes	Yes	Yes	Yes
COAGULANT PUMP RUNNING	Y/N	P-202	COAG PUMP		Yes	Yes	Yes	Yes
COAGULANT LEVEL	% Full	T-202	COAG TANK		73 gal / 38 1/2"	68 gal / 36 1/2"	66 gal / 35 1/2"	64 gal / 34 1/2"
COAGULANT DOSE RATE	mg/l	FE-202	COAG FLOW TO TANK		18 mg/l	18 mg/l	18 mg/l	18 mg/l
FLOC TANK MIXER RUNNING	Y/N	M-103A	FLOC MIXER		Yes	Yes	Yes	Yes
FLOCCULANT PUMP RUNNING	Y/N	P-203	FLOC PUMP		Yes	Yes	Yes	Yes
FLOC LEVEL	% Full	T-203	FLOC TANK LEVEL		5 1/4 gal / 10"	4 1/2 gal / 9 3/4"	4 1/4 gal / 8 1/2"	4 gal / 8 1/4"
FLOCCULANT DOSE RATE	GPM	FE-203	DILUTED FLOC TO FLOC MIX TK		1.50 mg/l	1.50 mg/l	1.50 mg/l	1.50 mg/l
CLARIFIER RAKE MIXER RUN.	Y/N	M-103B	CLARIFIER MIXER		Yes	Yes	Yes	Yes
CLARIFIER SLUDGE PUMP RUN.	Y/N	P-103	SLUDGE PUMP TO GEOTUBE		Yes	Yes	Yes	Yes
AIR COMPRESSOR RUNNING	Y/N	C-302	SLUDGE PUMP POWER		Yes	Yes	Yes	Yes

OPERATIONS LOG SHEET
ENHANCED SEEP COLLECTION SYSTEM
GENERAL ELECTRIC MAIN PLANT
SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	1/31/20	2/3/20	2/4/20	2/5/20
				TIME:	2:00	2:00	2:00	2:00
				INITIALS:	S.H	S.H	S.H	S.H
AIR COMPRESSOR PRESSURE	PSI	PI-302	AIR COMP. PRESSURE		150	145	160	145
CLARIFIER EFF TANK LEVEL	FEET	T-104	GRAVITY TANK POST CLAR.		2' 10"	2' 11"	2' 6"	2' 4"
CLARIFIER EFF PUMP A RUN	Y/N	P-104A	PUMP TO FILTRATION		Yes	Yes	Yes	Yes
VFD RATE	Hz	P-104A	PUMP RATE TO FILTRATION		32.01	32.60	32.81	32.00
CLARIFIER EFF. PUMP PRESSURE	PSI	PI-104A	PUMP PRESSURE TO FILT.		26	26	30	32
CLARIFIER EFF PUMP B RUN	Y/N	P-104B	PUMP TO FILTRATION		NO	NO	NO	NO
VFD RATE	Hz	P-104B	PUMP RATE TO FILTRATION		0	0	0	0
CLARIFIER EFF. PUMP PRESSURE	PSI	PI-104B	PUMP PRESSURE TO FILT.		0	0	0	0
GEOTUBE SYSTEM								
GEOTUBE CONTAINER 1 LEVEL	EST.	G-101	GEOTUBE DEWATERING BOX		80%	85% 2?	85%	85%
GEOTUBE CONTAINER 2 LEVEL	EST.	G-102	GEOTUBE DEWATERING BOX		60%	60%	60%	60%
GEOTUBE DISPOSAL	Y/N	G-101/G-102	GEOTUBE DEWATERING BOX		NO	NO	NO	NO
GEOTUBE DISPOSAL QTY	TON	G-101/G-102	WEIGHT OF MATERIAL DISPOSED		0	0	0	0
POLYMER PUMP RUNNING	Y/N	P-205	POLY ADD TO SLUDGE		Yes	Yes	Yes	Yes
POLYMER DOSE	GPM	FE-205	POLY FLOW TO SLUDGE		.549	.549	.549	.554
POLYMER TANK LEVEL	% Full	T-205	POLYMER LEVEL IN TANK		10"	5"	10"	8"
FILTRATION SYSTEM								
SAND FILTER A IN-USE	Y/N	TA-105A	SAND FILTER		Yes	Yes	Yes	Yes
SAND FILTER A BACKWASH	Y/N	TA-105A	SAND FILTER		Yes	Yes	Yes	NO
INLET PRESSURE	PSI	PI-105A/PI-703	INLET PRESSURE TO SAND		20	20	22	24
OUTLET PRESSURE	PSI	PDSH-105A	OUTLET PRESS. TO BAG FIL.		10	10	10	10
PRESSURE DIFFERENTIAL	PSI	PDSH-105A	PRESSURE DIFFERENTIAL		10	10	12	14
SAND FILTER B IN-USE	Y/N	TA-105B	SAND FILTER		Yes	Yes	Yes	Yes
SAND FILTER B BACKWASH	Y/N	TA-105B	SAND FILTER		Yes	Yes	Yes	NO
INLET PRESSURE	PSI	PI-105B/PI-703	INLET PRESSURE TO SAND		20	20	22	24
OUTLET PRESSURE	PSI	PDSH-105B	OUTLET PRESS. TO BAG FIL.		10	10	10	10
PRESSURE DIFFERENTIAL	PSI	PDSH-105B	PRESSURE DIFFERENTIAL		10	10	12	14
BAG FILTER 701 IN-USE	Y/N	F-701A	10, 5 and 1 MICRON BAG FILTER		Yes	Yes	Yes	Yes
INLET PRESSURE	PSI	PI-701A	INLET PRESSURE IN BF		10	10	10	9
OUTLET PRESSURE	PSI	PI-704	OUTLET PRESSURE IN BF		11	10	10	9
PRESSURE DIFFERENTIAL	PSI	PDSH-701A	PRESSURE DIFFERENTIAL		1	0	0	0
BAG CHANGES	Y/N	F-701A	BAG FILTER		NO	NO	NO	NO
BAG FILTER 702 IN-USE	Y/N	F-702A	10, 5 and 1 MICRON BAG FILTER		Yes	Yes	Yes	Yes
INLET PRESSURE	PSI	PI-702A	INLET PRESSURE IN BF		11	12	12	10
OUTLET PRESSURE	PSI	PI-704	OUTLET PRESSURE IN BF		10	10	10	10
PRESSURE DIFFERENTIAL	PSI	PDSH-702A	PRESSURE DIFFERENTIAL		1	2	2	0
BAG CHANGE	Y/N	F-702A	BAG FILTER		NO	NO	NO	NO

OPERATIONS LOG SHEET
 ENHANCED SEEP COLLECTION SYSTEM
 GENERAL ELECTRIC MAIN PLANT
 SCHENECTADY, NEW YORK

PARAMETER	UNITS	EQUIPMENT TAG	DESCRIPTION	DATE:	1/31/20	2/3/20	2/4/20	2/5/20
				TIME:	2:00	2:00	2:00	2:00
				INITIALS:	S.H	S.H	S.H	S.H
CARBON FILTER 1 IN-USE	Y/N	TA-106A	CARBON FILTER		Yes	Yes	Yes	Yes
CARBON FILTER 1 BACKWASH	Y/N	TA-106A	CARBON FILTER		No	Yes	Yes	Yes NO
INLET PRESSURE	PSI	PI-106A	INLET PRESSURE FROM BF		5	5	5	5
OUTLET PRESSURE	PSI	PI-106B	OUTLET PRESS. TO EFF-TK		10	9	8	8
PRESSURE DIFFERENTIAL	PSI		PRESSURE DIFFERENTIAL		5	4	3	3
CARBON FILTER 2 IN-USE	Y/N	TA-106B	CARBON FILTER		Yes	Yes	Yes	Yes
CARBON FILTER 2 BACKWASH	Y/N	TA-106B	CARBON FILTER		No	Yes	Yes	No
INLET PRESSURE	PSI	PI-106B	INLET PRESSURE FROM BF		6	6	6	6
OUTLET PRESSURE	PSI		OUTLET PRESS. TO EFF-TK		10	10	10	10
PRESSURE DIFFERENTIAL	PSI		PRESSURE DIFFERENTIAL		4	4	4	4
BACKWASH PUMP A RUN	Y/N	P-305A	BACKWASH PUMP TO FILT.		Yes	Yes	Yes	Yes
BACKWASH PRESSURE	PSI	PI-305A	BACKWASH PRESSURE		95	95	95	95
BACKWASH PUMP B RUN	Y/N	P-305B	BACKWASH PUMP TO FILT.		No	No	Yes	No
BACKWASH PRESSURE	PSI	PI-308A	BACKWASH PRESSURE		0	0	95	0
EFFLUENT AND FINAL HOLDING TANK (T-107 AND T-401)								
EFFLUENT FLOW METER	GPM	FQIT-107	FLOW RATE FROM FILTERS		43.29	41.69	39.06	40.02
EFF. FLOW METER TOTAL	TOT.	FQIT-107	TOTAL FLOW		674177	680784	6840475	6881431
EFFLUENT TANK LEVEL	inwc	T-107	TANK LEVEL		93.01	106.52	106.14	104.32
pH METER	SU	AIT-107	EFF. pH		7.71	7.71	7.80	7.71
DISSOLVED OXYGEN (DOM-107)	DO	AIT-107A	EFF.DO READING		2.15	2.87	2.81	2.66
TURBIDITY (TBM-107)	NTU	AIT-107B	EFF. TURBIDITY		.048	0.48	0.48	0.48
FINAL HOLDING TANK LEVEL	FEET	T-401	FH TK LEVEL		3'	3'	3'	3'
IRRIG. PUMP RUNNING	Y/N	P-401	IRRIGATION SYSTEM		No	No	No	No
VFD RATE	Hz	P-401	IRRIGATION SYSTEM		0	0	0	0
GRAVITY OUTFALL IN-USE	Y/N	OF-101	OUTFALL TO POENTIC KILL		Yes	Yes	Yes	Yes
BUILDING SYSTEM COMPONENTS								
EXHAUST FAN NW IN-USE	Y/N	EF-1	EXHAUST FANS		No	No	No	No
EXHAUST FAN NE IN-USE	Y/N	EF-2	EXHAUST FANS		No	No	No	No
BUILDING HEATERS IN-USE	Y/N	UH-1-8	HEATERS		Yes	Yes	Yes	Yes
BUILDING TEMPERATURE	DEG. F		BLDG. TEMP		65°	65°	65°	65°
OVERHEAD DOOR SW OPER.	Y/N		OVERHEAD DOOR		Yes	Yes	Yes	Yes
OVERHEAD DOOR NE OPER.	Y/N		OVERHEAD DOOR		Yes	Yes	Yes	Yes
OVERHEAD DOOR SE OPER.	Y/N		OVERHEAD DOOR		Yes	Yes	Yes	Yes
BLDG CONT SYS OPERATIONAL	Y/N		REMOTE TELEMETRY SYS		Yes	Yes	Yes	Yes
GENERAL COMMENTS								

Analytical Data for Seep Collection & Treatment System

ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 1/2

Pace Project No.: 70117011

Sample: EFFLUENT		Lab ID: 70117011001	Collected: 01/02/20 15:00	Received: 01/03/20 09:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608.3 GCSV PCB LOW		Analytical Method: EPA 608.3 Preparation Method: EPA 608.3						
PCB-1016 (Aroclor 1016)	<0.065	ug/L	0.065	1	01/06/20 18:54	01/07/20 17:46	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.065	ug/L	0.065	1	01/06/20 18:54	01/07/20 17:46	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.065	ug/L	0.065	1	01/06/20 18:54	01/07/20 17:46	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.065	ug/L	0.065	1	01/06/20 18:54	01/07/20 17:46	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.065	ug/L	0.065	1	01/06/20 18:54	01/07/20 17:46	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.065	ug/L	0.065	1	01/06/20 18:54	01/07/20 17:46	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.065	ug/L	0.065	1	01/06/20 18:54	01/07/20 17:46	11096-82-5	
PCB, Total	<0.065	ug/L	0.065	1	01/06/20 18:54	01/07/20 17:46	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	65	%	10-149	1	01/06/20 18:54	01/07/20 17:46	877-09-8	C2
Decachlorobiphenyl (S)	50	%	10-149	1	01/06/20 18:54	01/07/20 17:46	2051-24-3	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	973	ug/L	200	1	01/06/20 11:34	01/08/20 13:47	7429-90-5	
Iron	3300	ug/L	100	1	01/06/20 11:34	01/08/20 13:47	7439-89-6	
Lead	<5.0	ug/L	5.0	1	01/06/20 11:34	01/08/20 13:47	7439-92-1	
5210B BOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
BOD, 5 day	<2.0	mg/L	2.0	1	01/03/20 12:51	01/08/20 10:33		
5210B cBOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
Carbonaceous BOD, 5 day	<2.0	mg/L	2.0	1	01/03/20 12:50	01/08/20 10:30		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	3.2	mg/L	0.10	1	01/07/20 09:07	01/09/20 15:26	7727-37-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 1/2

Pace Project No.: 70117011

Sample: EFFLUENT		Lab ID: 70117011002		Collected: 01/02/20 12:00		Received: 01/03/20 09:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1							
Benzene	<1.0	ug/L	1.0	1		01/05/20 18:58	71-43-2		
Chlorobenzene	<1.0	ug/L	1.0	1		01/05/20 18:58	108-90-7	M1	
Ethylbenzene	<1.0	ug/L	1.0	1		01/05/20 18:58	100-41-4		
Toluene	<1.0	ug/L	1.0	1		01/05/20 18:58	108-88-3		
m&p-Xylene	<1.0	ug/L	1.0	1		01/05/20 18:58	179601-23-1	R1	
o-Xylene	<1.0	ug/L	1.0	1		01/05/20 18:58	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	96	%	79-124	1		01/05/20 18:58	460-00-4		
Toluene-d8 (S)	117	%	69-127	1		01/05/20 18:58	2037-26-5		
1,2-Dichloroethane-d4 (S)	105	%	68-153	1		01/05/20 18:58	17060-07-0		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	688	mg/L	20.0	1		01/06/20 09:50			
2540D Total Suspended Solids		Analytical Method: SM22 2540D							
Total Suspended Solids	<2.0	mg/L	2.0	1		01/06/20 13:34			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 1/2

Pace Project No.: 70117011

Sample: TRIP BLANK		Lab ID: 70117011003		Collected: 01/02/20 12:00		Received: 01/03/20 09:50		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1							
Benzene	<1.0	ug/L	1.0	1			01/05/20 18:36	71-43-2	
Chlorobenzene	<1.0	ug/L	1.0	1			01/05/20 18:36	108-90-7	
Ethylbenzene	<1.0	ug/L	1.0	1			01/05/20 18:36	100-41-4	
Toluene	<1.0	ug/L	1.0	1			01/05/20 18:36	108-88-3	
m&p-Xylene	<1.0	ug/L	1.0	1			01/05/20 18:36	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1			01/05/20 18:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	79-124	1			01/05/20 18:36	460-00-4	
Toluene-d8 (S)	121	%	69-127	1			01/05/20 18:36	2037-26-5	
1,2-Dichloroethane-d4 (S)	102	%	68-153	1			01/05/20 18:36	17060-07-0	

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY WEEK1/8

Pace Project No.: 70117663

Sample: EFFLUENT		Lab ID: 70117663001	Collected: 01/08/20 15:00	Received: 01/09/20 10:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608.3 GCSV PCB LOW		Analytical Method: EPA 608.3 Preparation Method: EPA 608.3						
PCB-1016 (Aroclor 1016)	<0.065	ug/L	0.065	1	01/09/20 20:14	01/10/20 18:02	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.065	ug/L	0.065	1	01/09/20 20:14	01/10/20 18:02	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.065	ug/L	0.065	1	01/09/20 20:14	01/10/20 18:02	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.065	ug/L	0.065	1	01/09/20 20:14	01/10/20 18:02	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.065	ug/L	0.065	1	01/09/20 20:14	01/10/20 18:02	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.065	ug/L	0.065	1	01/09/20 20:14	01/10/20 18:02	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.065	ug/L	0.065	1	01/09/20 20:14	01/10/20 18:02	11096-82-5	
PCB, Total	<0.065	ug/L	0.065	1	01/09/20 20:14	01/10/20 18:02	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	52	%	10-149	1	01/09/20 20:14	01/10/20 18:02	877-09-8	C2
Decachlorobiphenyl (S)	50	%	10-149	1	01/09/20 20:14	01/10/20 18:02	2051-24-3	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	284	ug/L	200	1	01/13/20 12:17	01/13/20 21:22	7429-90-5	
Iron	998	ug/L	100	1	01/13/20 12:17	01/13/20 21:22	7439-89-6	
Lead	5.6	ug/L	5.0	1	01/13/20 12:17	01/13/20 21:22	7439-92-1	
5210B BOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
BOD, 5 day	<2.0	mg/L	2.0	1	01/09/20 18:50	01/14/20 13:35		
5210B cBOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
Carbonaceous BOD, 5 day	<2.0	mg/L	2.0	1	01/09/20 18:50	01/14/20 13:33		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	2.0	mg/L	0.10	1	01/13/20 09:34	01/14/20 15:04	7727-37-9	

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY WEEK1/8

Pace Project No.: 70117663

Sample: EFFLUENT		Lab ID: 70117663002		Collected: 01/08/20 12:00		Received: 01/09/20 10:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1							
Benzene	<1.0	ug/L	1.0	1		01/11/20 18:09	71-43-2		
Chlorobenzene	<1.0	ug/L	1.0	1		01/11/20 18:09	108-90-7		
Ethylbenzene	<1.0	ug/L	1.0	1		01/11/20 18:09	100-41-4		
Toluene	<1.0	ug/L	1.0	1		01/11/20 18:09	108-88-3		
m&p-Xylene	<1.0	ug/L	1.0	1		01/11/20 18:09	179601-23-1		
o-Xylene	<1.0	ug/L	1.0	1		01/11/20 18:09	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	94	%	79-124	1		01/11/20 18:09	460-00-4		
Toluene-d8 (S)	121	%	69-127	1		01/11/20 18:09	2037-26-5		
1,2-Dichloroethane-d4 (S)	102	%	68-153	1		01/11/20 18:09	17060-07-0		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	742	mg/L	20.0	1		01/14/20 09:58			
2540D Total Suspended Solids		Analytical Method: SM22 2540D							
Total Suspended Solids	<2.0	mg/L	2.0	1		01/10/20 14:48			

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY WEEK1/8

Pace Project No.: 70117663

Sample: TRIP BLANK		Lab ID: 70117663003		Collected: 01/08/20 12:00		Received: 01/09/20 10:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1							
Benzene	<1.0	ug/L	1.0	1			01/11/20 18:32	71-43-2	
Chlorobenzene	<1.0	ug/L	1.0	1			01/11/20 18:32	108-90-7	
Ethylbenzene	<1.0	ug/L	1.0	1			01/11/20 18:32	100-41-4	
Toluene	<1.0	ug/L	1.0	1			01/11/20 18:32	108-88-3	
m&p-Xylene	<1.0	ug/L	1.0	1			01/11/20 18:32	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1			01/11/20 18:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	79-124	1			01/11/20 18:32	460-00-4	
Toluene-d8 (S)	116	%	69-127	1			01/11/20 18:32	2037-26-5	
1,2-Dichloroethane-d4 (S)	105	%	68-153	1			01/11/20 18:32	17060-07-0	

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 1/15

Pace Project No.: 70118564

Sample: EFFLUENT		Lab ID: 70118564001	Collected: 01/15/20 14:30	Received: 01/16/20 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608.3 GCSV PCB LOW		Analytical Method: EPA 608.3 Preparation Method: EPA 608.3						
PCB-1016 (Aroclor 1016)	<0.065	ug/L	0.065	1	01/17/20 09:55	01/17/20 23:38	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.065	ug/L	0.065	1	01/17/20 09:55	01/17/20 23:38	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.065	ug/L	0.065	1	01/17/20 09:55	01/17/20 23:38	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.065	ug/L	0.065	1	01/17/20 09:55	01/17/20 23:38	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.065	ug/L	0.065	1	01/17/20 09:55	01/17/20 23:38	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.065	ug/L	0.065	1	01/17/20 09:55	01/17/20 23:38	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.065	ug/L	0.065	1	01/17/20 09:55	01/17/20 23:38	11096-82-5	
PCB, Total	<0.065	ug/L	0.065	1	01/17/20 09:55	01/17/20 23:38	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	55	%	10-149	1	01/17/20 09:55	01/17/20 23:38	877-09-8	C2
Decachlorobiphenyl (S)	73	%	10-149	1	01/17/20 09:55	01/17/20 23:38	2051-24-3	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	<200	ug/L	200	1	01/17/20 10:36	01/20/20 18:09	7429-90-5	
Iron	<100	ug/L	100	1	01/17/20 10:36	01/20/20 18:09	7439-89-6	
Lead	<5.0	ug/L	5.0	1	01/17/20 10:36	01/20/20 18:09	7439-92-1	
5210B BOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
BOD, 5 day	<2.0	mg/L	2.0	1	01/17/20 11:18	01/22/20 10:27		
5210B cBOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
Carbonaceous BOD, 5 day	<2.0	mg/L	2.0	1	01/17/20 11:18	01/22/20 10:24		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	1.4	mg/L	0.10	1	01/21/20 09:36	01/21/20 16:38	7727-37-9	M1

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 1/15

Pace Project No.: 70118564

Sample: EFFLUENT		Lab ID: 70118564002		Collected: 01/15/20 13:48		Received: 01/16/20 10:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1							
Benzene	<1.0	ug/L	1.0	1		01/17/20 13:17	71-43-2		
Chlorobenzene	<1.0	ug/L	1.0	1		01/17/20 13:17	108-90-7		
Ethylbenzene	<1.0	ug/L	1.0	1		01/17/20 13:17	100-41-4		
Toluene	<1.0	ug/L	1.0	1		01/17/20 13:17	108-88-3		
m&p-Xylene	<1.0	ug/L	1.0	1		01/17/20 13:17	179601-23-1		
o-Xylene	<1.0	ug/L	1.0	1		01/17/20 13:17	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	94	%	79-124	1		01/17/20 13:17	460-00-4		
Toluene-d8 (S)	113	%	69-127	1		01/17/20 13:17	2037-26-5		
1,2-Dichloroethane-d4 (S)	104	%	68-153	1		01/17/20 13:17	17060-07-0		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	672	mg/L	20.0	1		01/21/20 10:54			
2540D Total Suspended Solids		Analytical Method: SM22 2540D							
Total Suspended Solids	<2.0	mg/L	2.0	1		01/17/20 14:05			

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 1/15

Pace Project No.: 70118564

Sample: TIRP BLANK		Lab ID: 70118564003		Collected: 01/15/20 13:48		Received: 01/16/20 10:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1							
Benzene	<1.0	ug/L	1.0	1			01/17/20 12:55	71-43-2	
Chlorobenzene	<1.0	ug/L	1.0	1			01/17/20 12:55	108-90-7	
Ethylbenzene	<1.0	ug/L	1.0	1			01/17/20 12:55	100-41-4	
Toluene	<1.0	ug/L	1.0	1			01/17/20 12:55	108-88-3	
m&p-Xylene	<1.0	ug/L	1.0	1			01/17/20 12:55	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1			01/17/20 12:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	79-124	1			01/17/20 12:55	460-00-4	
Toluene-d8 (S)	116	%	69-127	1			01/17/20 12:55	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	68-153	1			01/17/20 12:55	17060-07-0	

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 1/22

Pace Project No.: 70119369

Sample: EFFLUENT		Lab ID: 70119369001	Collected: 01/22/20 14:30	Received: 01/23/20 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608.3 GCSV PCB LOW		Analytical Method: EPA 608.3 Preparation Method: EPA 608.3						
PCB-1016 (Aroclor 1016)	<0.065	ug/L	0.065	1	01/24/20 18:14	01/27/20 14:02	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.065	ug/L	0.065	1	01/24/20 18:14	01/27/20 14:02	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.065	ug/L	0.065	1	01/24/20 18:14	01/27/20 14:02	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.065	ug/L	0.065	1	01/24/20 18:14	01/27/20 14:02	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.065	ug/L	0.065	1	01/24/20 18:14	01/27/20 14:02	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.065	ug/L	0.065	1	01/24/20 18:14	01/27/20 14:02	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.065	ug/L	0.065	1	01/24/20 18:14	01/27/20 14:02	11096-82-5	
PCB, Total	<0.065	ug/L	0.065	1	01/24/20 18:14	01/27/20 14:02	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	59	%	10-149	1	01/24/20 18:14	01/27/20 14:02	877-09-8	
Decachlorobiphenyl (S)	61	%	10-149	1	01/24/20 18:14	01/27/20 14:02	2051-24-3	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	306	ug/L	200	1	01/24/20 10:24	01/27/20 16:39	7429-90-5	
Iron	1960	ug/L	100	1	01/24/20 10:24	01/27/20 16:39	7439-89-6	
Lead	<5.0	ug/L	5.0	1	01/24/20 10:24	01/27/20 16:39	7439-92-1	
5210B BOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
BOD, 5 day	<2.0	mg/L	2.0	1	01/24/20 11:30	01/29/20 10:38		
5210B cBOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
Carbonaceous BOD, 5 day	<2.0	mg/L	2.0	1	01/24/20 11:30	01/29/20 10:36		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	3.7	mg/L	0.10	1	01/27/20 09:13	01/27/20 16:34	7727-37-9	D6,M1

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 1/22

Pace Project No.: 70119369

Sample: EFFLUENT	Lab ID: 70119369002		Collected: 01/22/20 14:00		Received: 01/23/20 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1							
Benzene	<1.0	ug/L	1.0	1		01/24/20 16:55	71-43-2	
Chlorobenzene	2.8	ug/L	1.0	1		01/24/20 16:55	108-90-7	
Ethylbenzene	<1.0	ug/L	1.0	1		01/24/20 16:55	100-41-4	
Toluene	<1.0	ug/L	1.0	1		01/24/20 16:55	108-88-3	
m&p-Xylene	<1.0	ug/L	1.0	1		01/24/20 16:55	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1		01/24/20 16:55	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	79-124	1		01/24/20 16:55	460-00-4	
Toluene-d8 (S)	115	%	69-127	1		01/24/20 16:55	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%	68-153	1		01/24/20 16:55	17060-07-0	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	624	mg/L	20.0	1		01/27/20 11:04		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	4.4	mg/L	2.0	1		01/27/20 14:06		

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 1/22

Pace Project No.: 70119369

Sample: TRIP BLANK		Lab ID: 70119369003		Collected: 01/22/20 14:00		Received: 01/23/20 10:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1							
Benzene	<1.0	ug/L	1.0	1			01/24/20 17:17	71-43-2	
Chlorobenzene	<1.0	ug/L	1.0	1			01/24/20 17:17	108-90-7	
Ethylbenzene	<1.0	ug/L	1.0	1			01/24/20 17:17	100-41-4	
Toluene	<1.0	ug/L	1.0	1			01/24/20 17:17	108-88-3	
m&p-Xylene	<1.0	ug/L	1.0	1			01/24/20 17:17	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1			01/24/20 17:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	79-124	1			01/24/20 17:17	460-00-4	
Toluene-d8 (S)	114	%	69-127	1			01/24/20 17:17	2037-26-5	
1,2-Dichloroethane-d4 (S)	108	%	68-153	1			01/24/20 17:17	17060-07-0	

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 1/30

Pace Project No.: 70119985

Sample: EFFLUENT		Lab ID: 70119985001	Collected: 01/29/20 14:30	Received: 01/30/20 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608.3 GCSV PCB LOW		Analytical Method: EPA 608.3 Preparation Method: EPA 608.3						
PCB-1016 (Aroclor 1016)	<0.065	ug/L	0.065	1	02/05/20 16:34	02/06/20 10:48	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.065	ug/L	0.065	1	02/05/20 16:34	02/06/20 10:48	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.065	ug/L	0.065	1	02/05/20 16:34	02/06/20 10:48	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.065	ug/L	0.065	1	02/05/20 16:34	02/06/20 10:48	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.065	ug/L	0.065	1	02/05/20 16:34	02/06/20 10:48	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.065	ug/L	0.065	1	02/05/20 16:34	02/06/20 10:48	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.065	ug/L	0.065	1	02/05/20 16:34	02/06/20 10:48	11096-82-5	
PCB, Total	<0.065	ug/L	0.065	1	02/05/20 16:34	02/06/20 10:48	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	44	%	10-149	1	02/05/20 16:34	02/06/20 10:48	877-09-8	
Decachlorobiphenyl (S)	80	%	10-149	1	02/05/20 16:34	02/06/20 10:48	2051-24-3	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	<200	ug/L	200	1	01/31/20 11:30	02/05/20 13:02	7429-90-5	
Iron	<100	ug/L	100	1	01/31/20 11:30	02/05/20 13:02	7439-89-6	
Lead	<5.0	ug/L	5.0	1	01/31/20 11:30	02/05/20 13:02	7439-92-1	
5210B BOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
BOD, 5 day	<2.0	mg/L	2.0	1	01/31/20 11:46	02/05/20 10:56		
5210B cBOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
Carbonaceous BOD, 5 day	<2.0	mg/L	2.0	1	01/31/20 11:46	02/05/20 10:54		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	2.2	mg/L	0.10	1	02/04/20 10:01	02/06/20 11:53	7727-37-9	M1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 1/30

Pace Project No.: 70119985

Sample: EFFLUENT		Lab ID: 70119985002		Collected: 01/29/20 14:00		Received: 01/30/20 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1							
Benzene	<1.0	ug/L	1.0	1		01/31/20 18:23	71-43-2		
Chlorobenzene	2.0	ug/L	1.0	1		01/31/20 18:23	108-90-7		
Ethylbenzene	<1.0	ug/L	1.0	1		01/31/20 18:23	100-41-4		
Toluene	<1.0	ug/L	1.0	1		01/31/20 18:23	108-88-3		
m&p-Xylene	<1.0	ug/L	1.0	1		01/31/20 18:23	179601-23-1		
o-Xylene	<1.0	ug/L	1.0	1		01/31/20 18:23	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	90	%	79-124	1		01/31/20 18:23	460-00-4		
Toluene-d8 (S)	108	%	69-127	1		01/31/20 18:23	2037-26-5		
1,2-Dichloroethane-d4 (S)	94	%	68-153	1		01/31/20 18:23	17060-07-0		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	620	mg/L	20.0	1		02/03/20 09:46			
2540D Total Suspended Solids		Analytical Method: SM22 2540D							
Total Suspended Solids	<2.0	mg/L	2.0	1		01/31/20 13:08			

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ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 1/30

Pace Project No.: 70119985

Sample: TRIP BLANK		Lab ID: 70119985003		Collected: 01/29/20 14:00		Received: 01/30/20 10:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1							
Benzene	<1.0	ug/L	1.0	1			01/31/20 18:01	71-43-2	
Chlorobenzene	<1.0	ug/L	1.0	1			01/31/20 18:01	108-90-7	
Ethylbenzene	<1.0	ug/L	1.0	1			01/31/20 18:01	100-41-4	
Toluene	<1.0	ug/L	1.0	1			01/31/20 18:01	108-88-3	
m&p-Xylene	<1.0	ug/L	1.0	1			01/31/20 18:01	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1			01/31/20 18:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	79-124	1			01/31/20 18:01	460-00-4	
Toluene-d8 (S)	113	%	69-127	1			01/31/20 18:01	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%	68-153	1			01/31/20 18:01	17060-07-0	

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Polychlorinated Biphenyl Minimization Plan Analytical Data

ANALYTICAL RESULTS

Project: QUARTERLY PCB MP 12/11

Pace Project No.: 70115060

Sample: INFLUENT		Lab ID: 70115060002		Collected: 12/11/19 12:00		Received: 12/12/19 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
608.3 GCSV PCB LOW		Analytical Method: EPA 608.3 Preparation Method: EPA 608.3							
PCB-1016 (Aroclor 1016)	<0.065	ug/L	0.065	1	12/12/19 21:25	12/12/19 23:15	12674-11-2		
PCB-1221 (Aroclor 1221)	<0.065	ug/L	0.065	1	12/12/19 21:25	12/12/19 23:15	11104-28-2		
PCB-1232 (Aroclor 1232)	<0.065	ug/L	0.065	1	12/12/19 21:25	12/12/19 23:15	11141-16-5		
PCB-1242 (Aroclor 1242)	<0.065	ug/L	0.065	1	12/12/19 21:25	12/12/19 23:15	53469-21-9		
PCB-1248 (Aroclor 1248)	<0.065	ug/L	0.065	1	12/12/19 21:25	12/12/19 23:15	12672-29-6		
PCB-1254 (Aroclor 1254)	<0.065	ug/L	0.065	1	12/12/19 21:25	12/12/19 23:15	11097-69-1		
PCB-1260 (Aroclor 1260)	<0.065	ug/L	0.065	1	12/12/19 21:25	12/12/19 23:15	11096-82-5		
PCB, Total	<0.065	ug/L	0.065	1	12/12/19 21:25	12/12/19 23:15	1336-36-3		
Surrogates									
Tetrachloro-m-xylene (S)	76	%	10-149	1	12/12/19 21:25	12/12/19 23:15	877-09-8		
Decachlorobiphenyl (S)	91	%	10-149	1	12/12/19 21:25	12/12/19 23:15	2051-24-3		

REPORT OF LABORATORY ANALYSIS

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PASI Long Island

Client's Sample ID	EFFLUENT		
Lab Sample ID	70115060001-R		
Filename	P200110A_09		
Injected By	CVS		
Total Amount Extracted	1050 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/11/2019 12:00
ICAL ID	P200110A04	Received	12/14/2019 10:00
CCal Filename(s)	P200110A_03	Extracted	01/07/2020 12:35
Method Blank ID	BLANK-75979	Analyzed	01/10/2020 15:42

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	7.904	2.76	2.0	1.17	59
13C-4-MoCB	3	10.460	2.71	2.0	1.26	63
13C-2,2'-DiCB	4	10.720	1.64	2.0	0.954	48
13C-4,4'-DiCB	15	17.491	1.51	2.0	1.42	71
13C-2,2',6-TrCB	19	14.297	1.19	2.0	1.05	52
13C-3,4,4'-TrCB	37	25.265	1.15	2.0	2.01	100
13C-2,2',6,6'-TeCB	54	17.809	0.76	2.0	1.14	57
13C-3,4,4',5-TeCB	81	32.511	0.84	2.0	1.92	96
13C-3,3',4,4'-TeCB	77	33.114	0.80	2.0	1.90	95
13C-2,2',4,6,6'-PeCB	104	23.919	1.77	2.0	1.06	53
13C-2,3,3',4,4'-PeCB	105	36.817	1.63	2.0	1.98	99
13C-2,3,4,4',5-PeCB	114	36.129	1.56	2.0	2.01	100
13C-2,3',4,4',5-PeCB	118	35.610	1.64	2.0	1.97	98
13C-2,3',4,4',5'-PeCB	123	35.241	1.49	2.0	1.99	99
13C-3,3',4,4',5-PeCB	126	40.070	1.60	2.0	1.98	99
13C-2,2',4,4',6,6'-HxCB	155	30.051	1.31	2.0	1.12	56
13C-HxCB (156/157)	156/157	43.228	1.30	4.0	3.53	88
13C-2,3',4,4',5,5'-HxCB	167	42.037	1.26	2.0	1.85	93
13C-3,3',4,4',5,5'-HxCB	169	46.632	1.27	2.0	1.89	94
13C-2,2',3,4',5,6,6'-HpCB	188	36.129	1.04	2.0	1.21	61
13C-2,3,3',4,4',5,5'-HpCB	189	49.257	1.01	2.0	1.70	85
13C-2,2',3,3',5,5',6,6'-OxCB	202	41.752	0.87	2.0	1.35	68
13C-2,3,3',4,4',5,5',6-OxCB	205	51.952	0.88	2.0	1.61	81
13C-2,2',3,3',4,4',5,5',6-NoCB	206	53.741	0.77	2.0	1.49	74
13C-2,2',3,3',4,4',5,5',6,6'-NoCB	208	48.740	0.80	2.0	1.52	76
13C-DeCB	209	55.163	0.72	2.0	1.34	67
CleanupStandards						
13C-2,4,4'-TrCB	28	20.887	1.05	2.0	2.08	104
13C-2,3,3',5,5'-PeCB	111	33.192	1.59	2.0	1.58	79
13C-2,2',3,3',5,5',6-HpCB	178	39.349	0.97	2.0	1.46	73
Recovery Standards						
13C-2,5-DiCB	9	13.037	1.54	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	22.898	0.78	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	30.314	1.59	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	38.846	1.29	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	51.456	0.94	2.0	NA	NA

Conc = Concentration
EML =Method Specified Reporting Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

ND = Not Detected
NA = Not Applicable
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REPORT OF LABORATORY ANALYSIS

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Pace AnalyticalTM

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

**Method 1668C Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID EFFLUENT
Lab Sample ID 70115060001-R
Filename P200110A_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
1		7.915	3.10	85.0	---	0.250
2		10.256	2.80	0.451	---	0.250
3		10.471	3.35	3.22	---	0.250
4		10.742	1.56	889	---	0.250
5		---	---	ND	---	0.250
6		13.523	1.59	8.23	---	0.250
7		13.247	1.54	0.788	---	0.250
8		14.009	1.60	19.8	---	0.250
9		13.070	1.55	1.40	---	0.250
10		10.946	1.63	25.9	---	0.250
11		---	---	ND	---	2.45
12	12/13	17.159	1.67	3.11	---	0.500
13	12/13	17.159	1.67	(3.11)	---	0.500
14		---	---	ND	---	0.250
15		17.524	1.58	16.5	---	0.330
16		17.447	1.13	4.19	---	0.250
17		16.949	1.05	12.6	---	0.250
18	18/30	16.474	1.03	13.0	---	0.500
19		14.330	1.03	52.2	---	0.250
20	20/28	20.903	1.10	2.69	---	1.29
21	21/33	---	---	ND	---	1.35
22		---	---	ND	---	0.950
23		---	---	ND	---	0.250
24		---	---	ND	---	0.250
25		20.237	1.04	1.13	---	0.250
26	26/29	19.975	1.04	2.70	---	0.500
27		17.192	1.04	7.58	---	0.250
28	20/28	20.903	1.10	(2.69)	---	1.29
29	26/29	19.975	1.04	(2.70)	---	0.500
30	18/30	16.474	1.03	(13.0)	---	0.500
31		20.578	1.03	3.94	---	1.30
32		18.056	1.06	8.54	---	0.250
33	21/33	---	---	ND	---	1.35
34		---	---	ND	---	0.250
35		---	---	ND	---	0.250
36		---	---	ND	---	0.250
37		---	---	ND	---	0.530
38		---	---	ND	---	0.250
39		---	---	ND	---	0.250
40	40/41/71	---	---	ND	---	1.50
41	40/41/71	---	---	ND	---	1.50
42		---	---	ND	---	0.500
43	43/73	---	---	ND	---	0.500
44	44/47/65	---	---	ND	---	1.50
45	45/51	---	---	ND	---	1.00
46		---	---	ND	---	0.500
47	44/47/65	---	---	ND	---	1.50
48		---	---	ND	---	0.500

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client Sample ID EFFLUENT
Lab Sample ID 70115060001-R
Filename P200110A_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
49	49/69	23.471	0.82	1.07	---	1.00
50	50/53	20.253	0.76	1.62	---	1.00
51	45/51	---	---	ND	---	1.00
52		22.929	0.78	1.94	---	1.54
53	50/53	20.253	0.76	(1.62)	---	1.00
54		17.840	0.85	0.509	---	0.500
55		---	---	ND	---	0.500
56		---	---	ND	---	0.500
57		---	---	ND	---	0.500
58		---	---	ND	---	0.500
59	59/62/75	---	---	ND	---	1.50
60		---	---	ND	---	0.500
61	61/70/74/76	---	---	ND	---	2.00
62	59/62/75	---	---	ND	---	1.50
63		---	---	ND	---	0.500
64		---	---	ND	---	0.500
65	44/47/65	---	---	ND	---	1.50
66		---	---	ND	---	0.840
67		---	---	ND	---	0.500
68		---	---	ND	---	0.500
69	49/69	23.471	0.82	(1.07)	---	1.00
70	61/70/74/76	---	---	ND	---	2.00
71	40/41/71	---	---	ND	---	1.50
72		---	---	ND	---	0.500
73	43/73	---	---	ND	---	0.500
74	61/70/74/76	---	---	ND	---	2.00
75	59/62/75	---	---	ND	---	1.50
76	61/70/74/76	---	---	ND	---	2.00
77		---	---	ND	---	0.500
78		---	---	ND	---	0.500
79		---	---	ND	---	0.500
80		---	---	ND	---	0.500
81		---	---	ND	---	0.500
82		---	---	ND	---	0.500
83		---	---	ND	---	0.500
84		---	---	ND	---	0.500
85	85/116/117	---	---	ND	---	1.50
86	86/87/97/108/119/125	---	---	ND	---	3.00
87	86/87/97/108/119/125	---	---	ND	---	3.00
88	88/91	---	---	ND	---	1.00
89		---	---	ND	---	0.500
90	90/101/113	---	---	ND	---	1.50
91	88/91	---	---	ND	---	1.00
92		---	---	ND	---	0.500
93	93/98/100/102	---	---	ND	---	2.00
94		---	---	ND	---	0.500
95		---	---	ND	---	0.950
96		---	---	ND	---	0.500

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Fax: 612- 607-6444

**Method 1668C Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID EFFLUENT
Lab Sample ID 70115060001-R
Filename P200110A_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	---	---	ND	---	3.00
98	93/98/100/102	---	---	ND	---	2.00
99		---	---	ND	---	0.500
100	93/98/100/102	---	---	ND	---	2.00
101	90/101/113	---	---	ND	---	1.50
102	93/98/100/102	---	---	ND	---	2.00
103		---	---	ND	---	0.500
104		---	---	ND	---	0.500
105		---	---	ND	---	0.500
106		---	---	ND	---	0.500
107	107/124	---	---	ND	---	1.00
108	86/87/97/108/119/125	---	---	ND	---	3.00
109		---	---	ND	---	0.500
110	110/115	---	---	ND	---	1.00
111		---	---	ND	---	0.500
112		---	---	ND	---	0.500
113	90/101/113	---	---	ND	---	1.50
114		---	---	ND	---	0.500
115	110/115	---	---	ND	---	1.00
116	85/116/117	---	---	ND	---	1.50
117	85/116/117	---	---	ND	---	1.50
118		---	---	ND	---	0.640
119	86/87/97/108/119/125	---	---	ND	---	3.00
120		---	---	ND	---	0.500
121		---	---	ND	---	0.500
122		---	---	ND	---	0.500
123		---	---	ND	---	0.500
124	107/124	---	---	ND	---	1.00
125	86/87/97/108/119/125	---	---	ND	---	3.00
126		---	---	ND	---	0.500
127		---	---	ND	---	0.500
128	128/166	---	---	ND	---	1.00
129	129/138/163	---	---	ND	---	1.50
130		---	---	ND	---	0.500
131		---	---	ND	---	0.500
132		---	---	ND	---	0.500
133		---	---	ND	---	0.500
134	134/143	---	---	ND	---	1.00
135	135/151	---	---	ND	---	1.00
136		---	---	ND	---	0.500
137		---	---	ND	---	0.500
138	129/138/163	---	---	ND	---	1.50
139	139/140	---	---	ND	---	1.00
140	139/140	---	---	ND	---	1.00
141		---	---	ND	---	0.500
142		---	---	ND	---	0.500
143	134/143	---	---	ND	---	1.00
144		---	---	ND	---	0.500

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Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
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Tel: 612-607-1700
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**Method 1668C Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID EFFLUENT
Lab Sample ID 70115060001-R
Filename P200110A_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
145		---	---	ND	---	0.500
146		---	---	ND	---	0.500
147	147/149	---	---	ND	---	1.00
148		---	---	ND	---	0.500
149	147/149	---	---	ND	---	1.00
150		---	---	ND	---	0.500
151	135/151	---	---	ND	---	1.00
152		---	---	ND	---	0.500
153	153/168	---	---	ND	---	1.00
154		---	---	ND	---	0.500
155		---	---	ND	---	0.500
156	156/157	---	---	ND	---	1.00
157	156/157	---	---	ND	---	1.00
158		---	---	ND	---	0.500
159		---	---	ND	---	0.500
160		---	---	ND	---	0.500
161		---	---	ND	---	0.500
162		---	---	ND	---	0.500
163	129/138/163	---	---	ND	---	1.50
164		---	---	ND	---	0.500
165		---	---	ND	---	0.500
166	128/166	---	---	ND	---	1.00
167		---	---	ND	---	0.500
168	153/168	---	---	ND	---	1.00
169		---	---	ND	---	0.500
170		---	---	ND	---	0.500
171	171/173	---	---	ND	---	1.00
172		---	---	ND	---	0.500
173	171/173	---	---	ND	---	1.00
174		---	---	ND	---	0.500
175		---	---	ND	---	0.500
176		---	---	ND	---	0.500
177		---	---	ND	---	0.500
178		---	---	ND	---	0.500
179		---	---	ND	---	0.500
180	180/193	---	---	ND	---	1.00
181		---	---	ND	---	0.500
182		---	---	ND	---	0.500
183	183/185	---	---	ND	---	1.00
184		---	---	ND	---	0.500
185	183/185	---	---	ND	---	1.00
186		---	---	ND	---	0.500
187		---	---	ND	---	0.500
188		---	---	ND	---	0.500
189		---	---	ND	---	0.500
190		---	---	ND	---	0.500
191		---	---	ND	---	0.500
192		---	---	ND	---	0.500

Conc = Concentration
EML =Method Specified Reporting Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
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NA = Not Applicable
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* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

REPORT OF LABORATORY ANALYSIS

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Pace AnalyticalTM

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

**Method 1668C Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID EFFLUENT
Lab Sample ID 70115060001-R
Filename P200110A_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
193	180/193	---	---	ND	---	1.00
194		---	---	ND	---	0.750
195		---	---	ND	---	0.750
196		---	---	ND	---	0.750
197	197/200	---	---	ND	---	1.50
198	198/199	---	---	ND	---	1.50
199	198/199	---	---	ND	---	1.50
200	197/200	---	---	ND	---	1.50
201		---	---	ND	---	0.750
202		---	---	ND	---	0.750
203		---	---	ND	---	0.750
204		---	---	ND	---	0.750
205		---	---	ND	---	0.750
206		---	---	ND	---	0.750
207		---	---	ND	---	0.750
208		---	---	ND	---	0.750
209		---	---	ND	---	0.750

Conc = Concentration
EML = Method Specified Reporting Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise
B = Less than 10 times higher than method blank level
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**Method 1668C Polychlorobiphenyl
Sample Analysis Results**

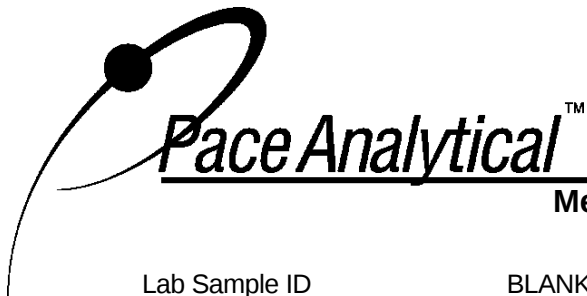
Client Sample ID EFFLUENT
Lab Sample ID 70115060001-R
Filename P200110A_09

Congener Group	Concentration ng/L
Total Monochloro Biphenyls	88.6
Total Dichloro Biphenyls	965
Total Trichloro Biphenyls	109
Total Tetrachloro Biphenyls	5.14
Total Pentachloro Biphenyls	ND
Total Hexachloro Biphenyls	ND
Total Heptachloro Biphenyls	ND
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	1170

ND = Not Detected

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Method 1668C Polychlorobiphenyl Blank Analysis Results

Lab Sample ID	BLANK-75979		
Filename	P200110A_11		
Injected By	CVS	Matrix	Water
Total Amount Extracted	1000 mL	Extracted	01/07/2020 12:35
ICAL ID	P200110A04	Analyzed	01/10/2020 17:40
CCal Filename(s)	P200110A_03	Dilution	NA

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
------------	-------	----	-------	------------	------------	------------

Labeled Analytes

13C-2-MoCB	1	7.904	2.70	2.0	0.909	45
13C-4-MoCB	3	10.448	3.25	2.0	1.07	53
13C-2,2'-DiCB	4	10.719	1.46	2.0	0.745	37
13C-4,4'-DiCB	15	17.513	1.60	2.0	1.12	56
13C-2,2',6-TrCB	19	14.297	1.08	2.0	0.844	42
13C-3,4,4'-TrCB	37	25.265	1.12	2.0	1.58	79
13C-2,2',6,6'-TeCB	54	17.793	0.81	2.0	0.761	38
13C-3,4,4',5-TeCB	81	32.511	0.87	2.0	1.69	84
13C-3,3',4,4'-TeCB	77	33.114	0.81	2.0	1.66	83
13C-2,2',4,6,6'-PeCB	104	23.903	1.63	2.0	0.709	35
13C-2,3,3',4,4'-PeCB	105	36.800	1.63	2.0	1.88	94
13C-2,3,4,4',5-PeCB	114	36.130	1.47	2.0	1.81	91
13C-2,3',4,4',5-PeCB	118	35.576	1.57	2.0	1.85	93
13C-2,3',4,4',5'-PeCB	123	35.241	1.61	2.0	1.88	94
13C-3,3',4,4',5-PeCB	126	40.088	1.45	2.0	1.97	98
13C-2,2',4,4',6,6'-HxCB	155	30.066	1.29	2.0	0.843	42
13C-HxCB (156/157)	156/157	43.228	1.29	4.0	3.31	83
13C-2,3',4,4',5,5'-HxCB	167	42.037	1.24	2.0	1.72	86
13C-3,3',4,4',5,5'-HxCB	169	46.616	1.24	2.0	1.58	79
13C-2,2',3,4',5,6,6'-HpCB	188	36.113	1.06	2.0	1.17	58
13C-2,3,3',4,4',5,5'-HpCB	189	49.258	0.99	2.0	1.67	84
13C-2,2',3,3',5,5',6-OcCB	202	41.752	0.94	2.0	1.30	65
13C-2,3,3',4,4',5,5',6-OcCB	205	51.931	0.98	2.0	1.63	81
13C-2,2',3,3',4,4',5,5',6-NoCB	206	53.720	0.71	2.0	1.42	71
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	48.741	0.82	2.0	1.42	71
13C-DeCB	209	55.164	0.72	2.0	1.25	62

Cleanup Standards

13C-2,4,4'-TrCB	28	20.872	1.09	2.0	1.88	94
13C-2,3,3',5,5'-PeCB	111	33.176	1.63	2.0	1.41	70
13C-2,2',3,3',5,5',6-HpCB	178	39.333	1.08	2.0	1.31	66

Recovery Standards

13C-2,5-DiCB	9	13.036	1.57	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	22.898	0.80	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	30.299	1.54	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	38.847	1.33	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	51.435	0.86	2.0	NA	NA

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**Method 1668C Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID
Filename

BLANK-75979
P200110A_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
1		---	---	ND	---	0.250
2		---	---	ND	---	0.250
3		---	---	ND	---	0.250
4		---	---	ND	---	0.250
5		---	---	ND	---	0.250
6		---	---	ND	---	0.250
7		---	---	ND	---	0.250
8		---	---	ND	---	0.250
9		---	---	ND	---	0.250
10		---	---	ND	---	0.250
11		---	---	ND	---	2.45
12	12/13	---	---	ND	---	0.500
13	12/13	---	---	ND	---	0.500
14		---	---	ND	---	0.250
15		---	---	ND	---	0.250
16		---	---	ND	---	0.250
17		---	---	ND	---	0.250
18	18/30	---	---	ND	---	0.500
19		---	---	ND	---	0.250
20	20/28	---	---	ND	---	1.29
21	21/33	---	---	ND	---	1.35
22		---	---	ND	---	0.950
23		---	---	ND	---	0.250
24		---	---	ND	---	0.250
25		---	---	ND	---	0.250
26	26/29	---	---	ND	---	0.500
27		---	---	ND	---	0.250
28	20/28	---	---	ND	---	1.29
29	26/29	---	---	ND	---	0.500
30	18/30	---	---	ND	---	0.500
31		---	---	ND	---	1.30
32		---	---	ND	---	0.250
33	21/33	---	---	ND	---	1.35
34		---	---	ND	---	0.250
35		---	---	ND	---	0.250
36		---	---	ND	---	0.250
37		---	---	ND	---	0.530
38		---	---	ND	---	0.250
39		---	---	ND	---	0.250
40	40/41/71	---	---	ND	---	1.50
41	40/41/71	---	---	ND	---	1.50
42		---	---	ND	---	0.500
43	43/73	---	---	ND	---	0.500
44	44/47/65	---	---	ND	---	1.50
45	45/51	---	---	ND	---	1.00

Conc = Concentration
EML =Method Specified Reporting Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise
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Minneapolis, MN 55414

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Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl Blank Analysis Results

Lab Sample ID BLANK-75979
Filename P200110A_11

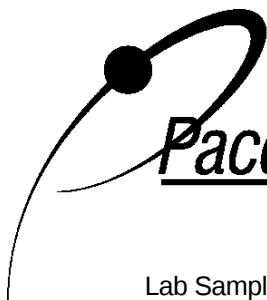
IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
46		---	---	ND	---	0.500
47	44/47/65	---	---	ND	---	1.50
48		---	---	ND	---	0.500
49	49/69	---	---	ND	---	1.00
50	50/53	---	---	ND	---	1.00
51	45/51	---	---	ND	---	1.00
52		---	---	ND	---	1.54
53	50/53	---	---	ND	---	1.00
54		---	---	ND	---	0.500
55		---	---	ND	---	0.500
56		---	---	ND	---	0.500
57		---	---	ND	---	0.500
58		---	---	ND	---	0.500
59	59/62/75	---	---	ND	---	1.50
60		---	---	ND	---	0.500
61	61/70/74/76	---	---	ND	---	2.00
62	59/62/75	---	---	ND	---	1.50
63		---	---	ND	---	0.500
64		---	---	ND	---	0.500
65	44/47/65	---	---	ND	---	1.50
66		---	---	ND	---	0.840
67		---	---	ND	---	0.500
68		---	---	ND	---	0.500
69	49/69	---	---	ND	---	1.00
70	61/70/74/76	---	---	ND	---	2.00
71	40/41/71	---	---	ND	---	1.50
72		---	---	ND	---	0.500
73	43/73	---	---	ND	---	0.500
74	61/70/74/76	---	---	ND	---	2.00
75	59/62/75	---	---	ND	---	1.50
76	61/70/74/76	---	---	ND	---	2.00
77		---	---	ND	---	0.500
78		---	---	ND	---	0.500
79		---	---	ND	---	0.500
80		---	---	ND	---	0.500
81		---	---	ND	---	0.500
82		---	---	ND	---	0.500
83		---	---	ND	---	0.500
84		---	---	ND	---	0.500
85	85/116/117	---	---	ND	---	1.50
86	86/87/97/108/119/125	---	---	ND	---	3.00
87	86/87/97/108/119/125	---	---	ND	---	3.00
88	88/91	---	---	ND	---	1.00
89		---	---	ND	---	0.500
90	90/101/113	---	---	ND	---	1.50

Conc = Concentration
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ng/L = Nanograms per liter

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**Method 1668C Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID BLANK-75979
Filename P200110A_11

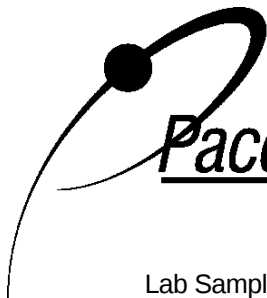
IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
91	88/91	---	---	ND	---	1.00
92		---	---	ND	---	0.500
93	93/98/100/102	---	---	ND	---	2.00
94		---	---	ND	---	0.500
95		---	---	ND	---	0.950
96		---	---	ND	---	0.500
97	86/87/97/108/119/125	---	---	ND	---	3.00
98	93/98/100/102	---	---	ND	---	2.00
99		---	---	ND	---	0.500
100	93/98/100/102	---	---	ND	---	2.00
101	90/101/113	---	---	ND	---	1.50
102	93/98/100/102	---	---	ND	---	2.00
103		---	---	ND	---	0.500
104		---	---	ND	---	0.500
105		---	---	ND	---	0.500
106		---	---	ND	---	0.500
107	107/124	---	---	ND	---	1.00
108	86/87/97/108/119/125	---	---	ND	---	3.00
109		---	---	ND	---	0.500
110	110/115	---	---	ND	---	1.00
111		---	---	ND	---	0.500
112		---	---	ND	---	0.500
113	90/101/113	---	---	ND	---	1.50
114		---	---	ND	---	0.500
115	110/115	---	---	ND	---	1.00
116	85/116/117	---	---	ND	---	1.50
117	85/116/117	---	---	ND	---	1.50
118		---	---	ND	---	0.640
119	86/87/97/108/119/125	---	---	ND	---	3.00
120		---	---	ND	---	0.500
121		---	---	ND	---	0.500
122		---	---	ND	---	0.500
123		---	---	ND	---	0.500
124	107/124	---	---	ND	---	1.00
125	86/87/97/108/119/125	---	---	ND	---	3.00
126		---	---	ND	---	0.500
127		---	---	ND	---	0.500
128	128/166	---	---	ND	---	1.00
129	129/138/163	---	---	ND	---	1.50
130		---	---	ND	---	0.500
131		---	---	ND	---	0.500
132		---	---	ND	---	0.500
133		---	---	ND	---	0.500
134	134/143	---	---	ND	---	1.00
135	135/151	---	---	ND	---	1.00

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**Method 1668C Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID
Filename

BLANK-75979
P200110A_11

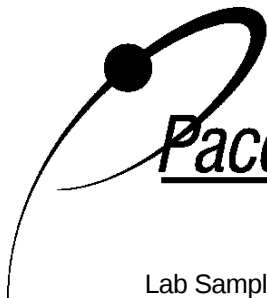
IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
136		---	---	ND	---	0.500
137		---	---	ND	---	0.500
138	129/138/163	---	---	ND	---	1.50
139	139/140	---	---	ND	---	1.00
140	139/140	---	---	ND	---	1.00
141		---	---	ND	---	0.500
142		---	---	ND	---	0.500
143	134/143	---	---	ND	---	1.00
144		---	---	ND	---	0.500
145		---	---	ND	---	0.500
146		---	---	ND	---	0.500
147	147/149	---	---	ND	---	1.00
148		---	---	ND	---	0.500
149	147/149	---	---	ND	---	1.00
150		---	---	ND	---	0.500
151	135/151	---	---	ND	---	1.00
152		---	---	ND	---	0.500
153	153/168	---	---	ND	---	1.00
154		---	---	ND	---	0.500
155		---	---	ND	---	0.500
156	156/157	---	---	ND	---	1.00
157	156/157	---	---	ND	---	1.00
158		---	---	ND	---	0.500
159		---	---	ND	---	0.500
160		---	---	ND	---	0.500
161		---	---	ND	---	0.500
162		---	---	ND	---	0.500
163	129/138/163	---	---	ND	---	1.50
164		---	---	ND	---	0.500
165		---	---	ND	---	0.500
166	128/166	---	---	ND	---	1.00
167		---	---	ND	---	0.500
168	153/168	---	---	ND	---	1.00
169		---	---	ND	---	0.500
170		---	---	ND	---	0.500
171	171/173	---	---	ND	---	1.00
172		---	---	ND	---	0.500
173	171/173	---	---	ND	---	1.00
174		---	---	ND	---	0.500
175		---	---	ND	---	0.500
176		---	---	ND	---	0.500
177		---	---	ND	---	0.500
178		---	---	ND	---	0.500
179		---	---	ND	---	0.500
180	180/193	---	---	ND	---	1.00

Conc = Concentration
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**Method 1668C Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID BLANK-75979
Filename P200110A_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
181		---	---	ND	---	0.500
182		---	---	ND	---	0.500
183	183/185	---	---	ND	---	1.00
184		---	---	ND	---	0.500
185	183/185	---	---	ND	---	1.00
186		---	---	ND	---	0.500
187		---	---	ND	---	0.500
188		---	---	ND	---	0.500
189		---	---	ND	---	0.500
190		---	---	ND	---	0.500
191		---	---	ND	---	0.500
192		---	---	ND	---	0.500
193	180/193	---	---	ND	---	1.00
194		---	---	ND	---	0.750
195		---	---	ND	---	0.750
196		---	---	ND	---	0.750
197	197/200	---	---	ND	---	1.50
198	198/199	---	---	ND	---	1.50
199	198/199	---	---	ND	---	1.50
200	197/200	---	---	ND	---	1.50
201		---	---	ND	---	0.750
202		---	---	ND	---	0.750
203		---	---	ND	---	0.750
204		---	---	ND	---	0.750
205		---	---	ND	---	0.750
206		---	---	ND	---	0.750
207		---	---	ND	---	0.750
208		---	---	ND	---	0.750
209		---	---	ND	---	0.750

Conc = Concentration
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**Method 1668C Polychlorobiphenyl
Blank Analysis Results**

Client Sample ID CBLKDE
Lab Sample ID BLANK-75979
Filename P200110A_11

Congener Group	Concentration ng/L
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	ND
Total Trichloro Biphenyls	ND
Total Tetrachloro Biphenyls	ND
Total Pentachloro Biphenyls	ND
Total Hexachloro Biphenyls	ND
Total Heptachloro Biphenyls	ND
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	ND

ND = Not Detected

REPORT OF LABORATORY ANALYSIS

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