

DATA INFORMATION REQUEST
American Suburban Utilities, Inc.

Cause No. 44676 S1

IURC
PUBLIC'S
EXHIBIT NO. CX-7
4-22-21 AT
DATE REPORTER

Information Requested:

Please provide copies of the December 2020 and January, February, and March 2021 Discharge Monitoring reports ("DMRs") and Monthly Reports of Operation ("MROs") for the Carriage Estates WWTP.

Information Provided:

See attached.

Attachments:

OUCC DR 17-4 Attachment 1.pdf
OUCC DR 17-4 Attachment 2.pdf
OUCC DR 17-4 Attachment 3.pdf
OUCC DR 17-4 Attachment 4.pdf



MONTHLY REPORT OF OPERATION SEQUENCING BATCH REACTOR WASTEWATER TREATMENT PLANT

State Form 53339 (R2 / 02-19)

Name of Facility Carriage Estates WWTP		Permit Number IN0043273	
Month December	Year 2020	Plant Design Flow 3 mgd	Telephone Number 765/463/3856
E-mail address: wwtp@city.org			
Certified Operator: Name Dennis M Crandall	Class IV	Certificate Number 15007	Expiration Date 6/30/2021

Day Of Month	Day of Week	Man-Hours at Plant (Plants less than 1 MGD only)	Air Temperature (optional)	Precipitation - Inches	Bypass At Plant Site ("x" if Occurred)	Collection System Overflow ("x" if Occurred)	CHEMICALS USED			RAW SEWAGE							
							Chlorine - Lbs	Lbs or Gal	Lbs or Gal	Influent Flow Rate (if metered) MGD	pH	CBOD5 - mg/l	CBOD5 - lbs	Susp. Solids - mg/l	Susp. Solids - lbs	Phosphorus - mg/l	Ammonia - mg/l
1	Tue									8.2	103	545.48	112	593.14	3.29	19.7	
2	Wed									7.9	101	521.41	138	712.42	4.1	23.7	
3	Thu									7.0	161	820.41	194	988.57	4.41	17.8	
4	Fri									8.2	158	706.3	262	1171.2	3.64	21	
5	Sat																
6	Sun																
7	Mon									7.2	130	9458.6	282	20518	3.97	16.2	
8	Tue									7.5	216	15509	234	16801	4.13	21.6	
9	Wed									8.1	241	17239	194	13877	4.29	17.2	
10	Thu									8.0	145	1424.6	330	3242.1	3.59	19.6	
11	Fri									8.2	216	2134.7	260	2569.6	4.62	20.8	
12	Sat																
13	Sun			0.1													
14	Mon									7.8	128	1375	103	1106.4	3.71	17.7	
15	Tue									8.6	71	734.25	70	723.91	3.21	14.6	
16	Wed									7.8	106	1051.1	108	1071	3.11	8.31	
17	Thu									7.8	79	800.51	90	911.98	3.15	15.6	
18	Fri									7.9	61	626.77	42	431.54	3.15	13.5	
19	Sat																
20	Sun																
21	Mon									7.4	140	1418.6	237	2401.5	5.38	19.4	
22	Tue									8.1	157	1405	188	1682.4	3.24	17.3	
23	Wed									8.0	60	585.97	212	2070.4	3.87	13.7	
24	Thu			0.5						8.0	125	1336.5	226	2416.4	3.29	12.6	
25	Fri									7.9	137	1203.1	114	1001.2	3.2	15.1	
26	Sat																
27	Sun																
28	Mon			0.1						7.9	111	1068.3	198	1809.4	2.61	12	
29	Tue									7.8	107	1036.1	82	793.98	3.3	16.6	
30	Wed			0.2						7.7	110	1091.7	96	952.76	3.45	21.2	
31	Thu			0.2						7.7	94	1004.3	456	4871.7	3.38	12.5	
1	Fri	Fall in January's effluent data on page 3 as needed for weekly average calculations.															
2	Sat																
3	Sun																
Average											129	2743.3	183	3596.4	3.665	16.86	
Maximum				0.5						8.6	241	17239	456	20518	5.38	23.7	
Minimum										7.0	60	521.41	42	431.54	2.61	8.31	
No. of Data				5	0	0		0	0	0	0	23	23	23	23	23	
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 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.										Prepared by or under the direction of (Certified Operator):				Date (month, day, year)			
										<i>Dennis M Crandall</i>				1-9-21			
										Signature of principal executive officer or authorized agent (or attested by NEPA subscriber agreement)				Date (month, day, year)			
										<i>Ed Serowka</i>				1-25-2021			

MONTHLY REPORT OF OPERATION
SEQUENCING BATCH REACTOR
WASTEWATER TREATMENT PLANT
 State Form 53339 (R2 / 02-19)

Name of Facility	Permit Number	For Month Of:	Year
Carriage Estates WWTP	IN0043273	December	2020

Day Of Month	Temperature In Reactors	REACTOR # 1				REACTOR # 2				REACTOR # 3				FINAL EFFLUENT						
		Settleable Solids % in 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Settleable Solids % in 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Settleable Solids % in 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Residual Chlorine - Contact Tank	Residual Chlorine - Final	E. Coll - colony/100 ml	pH - daily low (for single sample)	pH - daily high (if multiple samples)	Dissolved Oxygen - mg/l	Phosphorus - mg/l
1						42	2750	153									8.2		9.4	0.29
2										45	2400	168					8.3		10	0.36
3																	8.2		10.3	0.64
4																	8.0		10.8	0.3
5																				
6																				
7		18	1850	97													7.6		10.2	0.31
8						42	2700	156									7.9		9.4	0.34
9										49	3000	163					7.1		9.1	0.34
10																	7.0		9.1	0.34
11																	7.8		9.6	0.38
12																				
13																				
14		12	1200	100													7.7		10	0.33
15						38	2700	141									8.1		9.7	0.31
16										45	2650	170					8.1		9.9	0.33
17																	7.6		9.7	0.28
18																	7.6		10.4	0.31
19																				
20																				
21		35	2950	119													7.6		9.7	0.36
22						44	2750	160									7.8		10	0.3
23										50	2700	185					7.6		9.5	0.3
24																	7.4		10.4	0.37
25																	7.7		10.1	0.52
26																				
27																				
28		34	3750	91													7.7		10	0.37
29						40	2550	157									7.7		10.5	0.29
30										48	2650	181					7.5		10.2	0.31
31																	7.5		10.4	0.3
Avg.		25	2438	102		41	2690	153		47	2680	177							9.93	0.347
Max.		35	3750	119		44	2750	160		50	3000	188					8.3		10.8	0.64
Min.		12	1200	91		38	2550	141		45	2400	163					7.0		9.1	0.28
Daily Max																93				
# of Days above 235																0				
Data	0	4	4	4	0	5	5	5	0	5	5	5	0	0	0	0	23	23	23	23

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):

Hauled sludge 12-3 335,502, 12-4 378,998, 12-7 217,455, 12-8 37,278

MONTHLY REPORT OF OPERATION
SEQUENCING BATCH REACTOR
WASTEWATER TREATMENT PLANT
 State Form 53339 (R2 / 02-19)

Name of Facility	Permit Number	For Month Of:	Year
Carrage Estates WWTP	IN0043273	December	2020

Day Of Month	Temperature In Reactors	REACTOR #4				REACTOR #5				REACTOR #6				FINAL EFFLUENT						
		Settleable Solids % In 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Settleable Solids % In 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Settleable Solids % In 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Residual Chlorine - Contact Tank	Residual Chlorine - Final	E. Coli - colony/100 ml	pH - daily low (or single sample)	pH - daily high (if multiple samples)	Dissolved Oxygen - mg/l	Phosphorus - mg/l
1																				
2																				
3		49	3300	148																
4						34	6250	54		37	4950	75								
5																				
6																				
7																				
8																				
9																				
10		47	3250	145																
11						41	5000	82		45	5600	80								
12																				
13																				
14																				
15																				
16																				
17		43	2850	151																
18						34	5450	62		44	5400	81								
19																				
20																				
21																				
22																				
23																				
24		50	2650	189																
25						27	4050	67		50	6050	83								
26																				
27																				
28																				
29																				
30																				
31		54	2900	186																
Avg.		49	2990	164		34	5188	66		44	5500	80								
Max.		54	3300	189		41	6250	82		50	6050	83								
Min.		43	2650	145		27	4050	54		37	4950	75								
Daily Max																				
# of Days above 235																				
Data	0	5	5	5	0	4	4	4	0	4	4	4	0	0	0	0	0	0	0	0

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):

MONTHLY REPORT OF OPERATION
SEQUENCING BATCH REACTOR
WASTEWATER TREATMENT PLANT
 State Form 53339 (R2 / 02-19)

Name of Facility	Permit Number	For Month Of:	Year
Carriage Estates WWT	IN0043273	December	2020

Day Of Month	Day Of Week	FINAL EFFLUENT															
		Flow		BOD				Total Suspended Solids				Ammonia				Other	
		Effluent Flow Rate (MGD)	Effluent Flow Weekly Average	CBOD5 - mg/l	CBOD5 - mg/l Weekly Average	CBOD5 - lbs	CBOD5 - lbs/day Weekly Average	Susp. Solids - mg/l	Susp. Solids - mg/l Weekly Average	Susp. Solids - lbs	Susp. Solids - lbs/day Weekly Average	Ammonia - mg/l	Ammonia - mg/l Weekly Average	Ammonia - lbs	Ammonia - lbs/day Weekly Average		
1	Tue	0.635		2		10.598		6		31.794		0.02		0.106			
2	Wed	0.619		4		20.662		19		98.146		0.02		0.1033			
3	Thu	0.611		5		25.494		14		71.383		0.03		0.153			
4	Fri	0.536		1		4.4729		2		8.9458		0.01		0.0447			
5	Sat	8.534	1.74657		3.4		17.795		12		63.142		0.02		0.1036		
6	Sun	8.718															
7	Mon	8.724		3		218.41		3		218.41		0.01		0.728			
8	Tue	8.609		2		143.68		5		359.21		0.01		0.7184			
9	Wed	8.577		2		143.15		5		357.88		0.01		0.7158			
10	Thu	1.178		1		9.8304		3		29.491		0.01		0.0983			
11	Fri	1.185		1		9.8888		2		19.778		0.01		0.0989			
12	Sat	1.252	5.48329		1.8		104.99		3.6		196.95		0.01		0.4719		
13	Sun	1.546															
14	Mon	1.288		5		53.742		10		107.48		0.01		0.1075			
15	Tue	1.24		2		20.696		3		31.043		0.01		0.1035			
16	Wed	1.189		2		19.844		5		49.611		0.02		0.1984			
17	Thu	1.215		2		20.278		4		40.557		0.01		0.1014			
18	Fri	1.232		1		10.281		2		20.562		0.01		0.1028			
19	Sat	1.062	1.25314		2.4		24.968		4.8		49.851		0.012		0.1227		
20	Sun	1.209															
21	Mon	1.215		2		20.278		2		20.278		0.01		0.1014			
22	Tue	1.073		2		17.908		2		17.908		0.01		0.0895			
23	Wed	1.171		2		19.544		3		29.316		0.01		0.0977			
24	Thu	1.282		2		21.397		1		10.698		0.01		0.107			
25	Fri	1.053		2		17.575		3		26.362		0.01		0.0879			
26	Sat	1.267	1.18143		2		19.34		2.2		20.913		0.01		0.0967		
27	Sun	1.25															
28	Mon	1.154		2		19.26		2		19.26		0.01		0.0963			
29	Tue	1.161		2		19.377		3		29.066		0.19		1.8408			
30	Wed	1.19		3		29.792		7		69.514		0.01		0.0993			
31	Thu	1.281	1.2072	1	2	10.69	19.78	2	3.5	21.38	34.805	0.01	0.055	0.1069	0.5358		
1	Fri																
2	Sat																
3	Sun																
Avg		2.33084		2.2174		38.559		4.6957		73.394		0.02		0.2612			
Max		8.724	5.46329	5	3.4	218.41	104.99	19	12	359.21	196.95	0.19	0.055	1.8408	0.5358		
Min		0.536	1.18143	1	1.8	4.4729	17.795	1	2.2	8.9458	20.913	0.01	0.01	0.0447	0.0867		
Data		31	5	23	5	23	5	23	5	23	5	23	5	23	5	0	0

MONTHLY REMOVAL SUMMARY					Total Monthly Flow: (million gallons)
Percent Removal	BOD5	S.S.	Ammonia	Phosphorus	72.256
	98	97	100	90.5	
Phosphorus limit would be 75 % removal. (compliance achieved)					Percent Capacity (actual flow/design) 78%

**MONTHLY REPORT OF OPERATION
SEQUENCING BATCH REACTOR
WASTEWATER TREATMENT PLANT**

State Form 53339 (R2 / 02-19)

Name of Facility	Permit Number	For Month Of:	Year
Carriage Estates WW	IN0043273	December	2020

Day Of Month	SLUDGE TO DIGESTER		DIGESTER OPERATION													
	Waste Act. Sludge HR's	pH	Anaerobic Only			Supernatant Withdrawn hrs. or Gal. x 1000	Supernatant BOD5 mg/l or NH3-N mg/l	Total Solids in Incoming Sludge - %	Total Solids in Digested Sludge - %	Volatile Solids in Incoming Sludge - %	Volatile Solids in Digested Sludge - %	Digested Sludge Withdrawn hrs. or Gal. x 1000				
			Gas Production Cubic Ft. x 1000	Temperature - F												
1																
2	1															
3	4															
4																
5																
6																
7																
8																
9																
10	1															
11	0.5															
12	1															
13	0.5															
14																
15																
16																
17	1.5															
18	1															
19																
20																
21																
22																
23																
24	0.5															
25																
26																
27																
28	1.75															
29	1															
30	2															
31	2															
Avg.	1.3654															
Max.	4															
Min.	0.5															
Data	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Once completed, this form should be converted to a pdf document, named appropriately & attached to the corresponding netDMR for submittal



MONTHLY REPORT OF OPERATION SEQUENCING BATCH REACTOR WASTEWATER TREATMENT PLANT

State Form 53339 (R2 / 02-19)

Name of Facility Carriage Estates WWTP		P permit Number IN0043273	
Month March	Year 2021	Plant Design Flow 3 mgd	Telephone Number 765/463/3856
E-mail address: wwtp@city.org			
Certified Operator: Name Dennis M Crandall		Class IV	Expiration Date 6/30/2021

Cause No. 44676 S1
OUCC DR 17-4 Attachment 4
Page 1 of 7

Day Of Month	Day of Week	Man-Hours at Plant (Plants less than 1 MGD only)	Air Temperature (optional)	Precipitation - inches	Bypass At Plant Site ("x" If Occurred)	Collection System Overflow ("x" If Occurred)	CHEMICALS USED			RAW SEWAGE							
							Chlorine - Lbs	Lbs or Gal	Lbs or Gal	Influent Flow Rate (if metered) MGD	pH	CBOD5 - mg/l	CBOD5 - lbs	Susp. Solids - mg/l	Susp. Solids - lbs	Phosphorus - mg/l	Ammonia - mg/l
1	Mon								3.361	8.2	175	4905.4	204	5718.3	2.82	9.98	
2	Tue								2.672	8.1	96	2139.3	132	2941.6	2.67	13.7	
3	Wed								2.502	8.0	99	2065.8	68	1418.9	2.36	6.61	
4	Thu								2.333	8.0	72	1400.9	40	778.29	2.39	13.7	
5	Fri								2.15	7.9	96	1721.4	70	1255.2	2.65	18.4	
6	Sat								1.422								
7	Sun								2.871								
8	Mon								2.122	7.9	169	2990.9	171	3026.3	2.85	18.1	
9	Tue								2.135	7.8	94	1673.8	50	890.3	2.84	20.9	
10	Wed								1.933	8.0	117	1886.2	162	2611.6	3.11	21.2	
11	Thu			0.1					1.934	8.2	105	1693.6	64	1032.3	2.98	22.8	
12	Fri								2.015	7.8	134	2251.9	148	2487.2	2.7	19	
13	Sat								1.829								
14	Sun								1.833								
15	Mon								2.016	8.0	119	2000.8	128	2152.1	3	20.8	
16	Tue			1					2.078	8.1	114	1975.7	52	901.19	2.69	17.9	
17	Wed			0.8					2.045	8.0	77	1313.3	122	2080.7	2.66	18.8	
18	Thu			1.5					2.042	7.9	85	1447.6	122	2077.7	2.73	19.8	
19	Fri								3.141	8.1	97	2541	198	5186.8	2.35	9.86	
20	Sat								2.218								
21	Sun								3.055								
22	Mon								2.835	8.1	74	1749.6	51	1205.8	2.84	18.1	
23	Tue								2.654	8.0	88	1947.8	130	2877.5	2.28	16.6	
24	Wed			0.2					2.468	8.0	61	1255.6	68	1399.7	2.16	16	
25	Thu								2.405	7.9	65	1303.8	54	1083.1	2.16	15.5	
26	Fri			1					2.99	8.0	94	2344	94	2344	2.5	16.9	
27	Sat								3.353								
28	Sun			0.3					3.225								
29	Mon								3.232	8.3	63	1698.2	53	1428.6	2.79	11	
30	Tue								3.081	8.0	77	1978.6	90	2312.6	2.04	13.3	
31	Wed								2.893	8.2	57	1375.3	42	1013.4	2	12.9	
Average									2.47881		97	1985.2	101	2096.7	2.59	16.17	
Maximum				1.5					3.361	8.3	175	4905.4	204	5718.3	3.11	22.8	
Minimum									1.422	7.8	57	1255.6	40	778.29	2	6.61	
No. of Data																	0
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 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.																	
Prepared by or under the direction of (Certified Operator):																	Date (month, day, year)
Signature of principal executive officer or authorized agent (or attested by NotDMR subscriber agreement)																	Date (month, day, year)
Ed Serowka																	4-5-21

MONTHLY REPORT OF OPERATION
SEQUENCING BATCH REACTOR
WASTEWATER TREATMENT PLANT
State Form 53339 (R2 / 02-19)

Name of Facility	Permit Number	For Month Of:	Year
Carrington Estates WWTP	IN0043273	March	2021

Day Of Month	Temperature In Reactors	REACTOR # 1				REACTOR # 2				REACTOR # 3				FINAL EFFLUENT						
		Settleable Solids % in 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Settleable Solids % in 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Settleable Solids % in 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Residual Chlorine - Contact Tank	Residual Chlorine - Final	E. Coll - colony/100 ml	pH - daily low (or single sample)	pH - daily high (if multiple samples)	Dissolved Oxygen - mg/l	Phosphorus - mg/l
1		26	2700	96													7.8		9.9	0.18
2						18	1550	116									7.9		11	0.14
3										18	1050	171					7.9		10.9	1.77
4																	7.8		11	0.15
5																	7.8		10.9	0.16
6																				
7																				
8		28	1250	224													7.6		10.6	0.14
9						19	1200	158									7.8		10.9	0.16
10										18	500	360					7.9		11	0.18
11																	7.7		10.7	0.15
12																	7.4		9.8	0.19
13																				
14																				
15		20	1650	121													7.6		10.4	0.17
16						28	1800	156									7.8		10.5	0.19
17										13	650	200					7.7		10.6	0.19
18																	7.7		10.2	0.18
19																	7.8		11.2	0.57
20																				
21																				
22		33	3000	110													7.9		11.3	0.19
23						60	3450	174									7.8		10.6	0.1
24										20	800	250					7.6		11.1	0.1
25																	7.7		10.9	0.14
26																	7.8		9.5	1.92
27																				
28																				
29		34	3300	103													7.9		10.7	0.13
30						47	2950	159									7.8		10.9	0.13
31										25	1650	152					7.7		10.9	0.13
Avg.		28	2380	131		34	2190	153		19	930	227							10.67	0.32
Max.		34	3300	224		60	3450	174		25	1650	360					7.9		11.3	1.92
Min.		20	1250	96		18	1200	116		13	500	152					7.4		9.5	0.1
Daily Max																#NUM!				
# of Days above 235																0				
Data	0	5	5	5	0	5	5	5	0	5	5	5	0	0	0	0	23		23	23

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):

1st of March 2021

MONTHLY REPORT OF OPERATION
SEQUENCING BATCH REACTOR
WASTEWATER TREATMENT PLANT
State Form 53339 (R2 / 02-19)

Name of Facility	Permit Number	For Month Of	Year
Carrage Estates WWTP	IN0043273	March	2021

Day Of Month	Temperature In Reactors	REACTOR #4				REACTOR #5				REACTOR #6				FINAL EFFLUENT						
		Settleable Solids % In 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Settleable Solids % In 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Settleable Solids % In 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Residual Chlorine - Contact Tank	Residual Chlorine - Final	E. Coll - colony/100 ml	pH - daily low (or single sample)	pH - daily high (if multiple samples)	Dissolved Oxygen - mg/l	Phosphorus - mg/l
1																				
2																				
3																				
4		20	1450	138																
5						25	2150	116		43	4500	96								
6																				
7																				
8																				
9																				
10																				
11		20	1300	154																
12						31	3600	86		38	3450	110								
13																				
14																				
15																				
16																				
17																				
18		21	2550	82																
19						32	3050	105		33	3100	106								
20																				
21																				
22																				
23																				
24																				
25		9	1200	75																
26						33	3000	110		31	4100	76								
27																				
28																				
29																				
30																				
31																				
Avg.		18	1625	112		30	2950	104		36	3788	97								
Max.		21	2550	154		33	3600	116		43	4500	110								
Min.		9	1200	75		25	2150	86		31	3100	76								
Daily Max																				
# of Days above 235																#NUM!				
Data		0	4	4	0	4	4	4	0	4	4	4	0	0	0	0	0	0	0	0

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):

MONTHLY REPORT OF OPERATION
SEQUENCING BATCH REACTOR
WASTEWATER TREATMENT PLANT
State Form 53339 (R2 / 02-19)

Name of Facility	Permit Number	For Month Of:	Year
Carriage Estates WWT	IN0043273	March	2021

Day Of Month	Day of Week	FINAL EFFLUENT															
		Flow		BOD				Total Suspended Solids				Ammonia				Other	
		Effluent Flow Rate (MGD)	Effluent Flow Weekly Average	CBOD5 - mg/l	CBOD5 - mg/l Weekly Average	CBOD5 - lbs	CBOD5 - lbs/day Weekly Average	Susp. Solids - mg/l	Susp. Solids - mg/l Weekly Average	Susp. Solids - lbs	Susp. Solids - lbs/day Weekly Average	Ammonia - mg/l	Ammonia - mg/l Weekly Average	Ammonia - lbs	Ammonia - lbs/day Weekly Average		
1	Mon	2.725		4		90.961		13		295.62		0.08		1.8192			
2	Tue	2.122		5		88.54		21		371.87		0.11		1.9479			
3	Wed	1.943		2		32.429		4		64.857		0.11		1.7836			
4	Thu	1.94		6		97.136		20		323.79		0.08		1.2951			
5	Fri	1.694		1		14.136		3		42.409		0.07		0.9896			
6	Sat	1.672	2.05443		3.6		64.64		12.2		219.71		0.09		1.5671		
7	Sun	1.758															
8	Mon	1.729		4		57.714		3		43.286		0.17		2.4528			
9	Tue	1.766		2		29.475		3		44.212		0.15		2.2106			
10	Wed	1.704		2		28.44		3		42.66		0.11		1.5642			
11	Thu	1.571		2		26.22		5		65.55		0.1		1.311			
12	Fri	1.645		2		27.455		2		27.455		0.08		1.0982			
13	Sat	1.597	1.68143		2.4		33.861		3.2		44.632		0.122		1.7274		
14	Sun	1.508															
15	Mon	1.656		2		27.639		1		13.819		0.07		0.9674			
16	Tue	1.619		1		13.511		1		13.511		0.11		1.4862			
17	Wed	1.686		1		14.07		2		28.139		0.07		0.9849			
18	Thu	1.599		3		40.031		15		200.15		0.07		0.9341			
19	Fri	3.375		2		56.329		5		140.82		0.17		4.7879			
20	Sat	2.881	2.04629		1.8		30.316		4.8		79.289		0.098		1.8321		
21	Sun	2.28															
22	Mon	2.204		2		36.785		2		36.785		0.23		4.2302			
23	Tue	2.054		2		34.281		3		51.422		0.14		2.3997			
24	Wed	1.822		2		30.409		1		15.205		0.13		1.9766			
25	Thu	1.81		2		30.209		1		15.104		0.19		2.8698			
26	Fri	2.168		2		36.184		4		72.368		0.26		4.7039			
27	Sat	2.764	2.15743		2		33.574		2.2		38.177		0.19		3.2361		
28	Sun	1.407															
29	Mon	2.524		2		42.126		6		126.38		0.34		7.1613			
30	Tue	2.163		2		36.1		2		36.1		0.27		4.8736			
31	Wed	2.269	2.09075	2	2	37.87	38.699	4	4	75.739	79.405	0.22	0.2767	4.1657	5.4002		
Avg		1.98887		2.3913		40.35		5.3913		93.359		0.1448		2.5223			
Max		3.375	2.15743	6	3.6	97.136	64.64	21	12.2	371.87	219.71	0.34	0.2767	7.1613	5.4002		
Min		1.407	1.68143	1	1.8	13.511	30.316	1	2.2	13.511	38.177	0.07	0.09	0.9341	1.5671		
Data		31	5	23	5	23	5	23	5	23	5	23	5	23	5	0	

MONTHLY REMOVAL SUMMARY					Total Monthly Flow:
	BOD5	S.S.	Ammonia	Phosphorus	(million gallons) 61,655
Percent Removal	98	95	99	87.6	
Phosphorus limit would be 70 % removal. (compliance achieved)					Percent Capacity (actual flow/design) 66%

MONTHLY REPORT OF OPERATION
SEQUENCING BATCH REACTOR
WASTEWATER TREATMENT PLANT
State Form 53339 (R2 / 02-19)

Cause No. 44676 S1
OUCC DR 17-4 Attachment 4
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Name of Facility	Permit Number	For Month Of	Year
Carriage Estates WW	IN0043273	March	2021

Day Of Month	SLUDGE TO DIGESTER		DIGESTER OPERATION													
	Waste Act. Sludge HR's	pH	Anaerobic Only			Supernatant Withdrawn hrs. or Gal. x 1000	Supernatant BOD5 mg/l or NH3-N mg/l	Total Solids In Incoming Sludge - %	Total Solids In Digested Sludge - %	Volatile Solids In Incoming Sludge - %	Volatile Solids In Digested Sludge - %	Digested Sludge Withdrawn hrs. or Gal. x 1000				
			Gas Production Cubic Ft. x 1000	Temperature - F												
1																
2																
3																
4																
5	4															
6																
7																
8																
9																
10																
11																
12																
13																
14																
15	6															
16	4															
17	4															
18	4															
19	10															
20																
21																
22																
23																
24	3.5															
25																
26																
27	2.5															
28	1.5															
29																
30																
31																
Avg.	4.3889															
Max.	10															
Min.	1.5															
Data	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Once completed, this form should be converted to a pdf document, named appropriately & attached to the corresponding netDMR for submittal