

Southeast Regional Office CLEAN WATER PROGRAM

Application Type	Renewal
Facility Type	Municipal
Major / Minor	Minor

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No.	PA0012891					
APS ID	998093					
Authorization ID	1281575					

Applicant and Facility Information								
Applicant Name	The Upper Hanover Authority	Facility Name	Upper Hanover Perkiomen WWTP					
Applicant Address	PO Box 205	Facility Address	Pillsbury Road					
	East Greenville, PA 18041-0205		East Greenville, PA 18041					
Applicant Contact	Grant Boyer	Facility Contact	Michael Wetzel					
Applicant Phone	(215) 679-3129	Facility Phone	(215) 679-3129					
Client ID	73627	Site ID	458836					
Ch 94 Load Status		Municipality	Upper Hanover Township					
Connection Status		County	Montgomery					
Date Application Rec	eived July 2, 2019	EPA Waived?	Yes					
Date Application Acc	epted	If No, Reason						
Purpose of Application	n Permit Renewal.							

Summary of Review

The applicant requests approval for renewal of a National Pollutant Discharge Elimination System (NPDES) permit to discharge 0.098 MGD of treated wastewater from The Upper Hanover Authority WWTP serving residential and industrial establishment in Upper Hanover Township, Montgomery County to Perkiomen Creek. At the point of discharge, the creek is classified as Trout Stocking Fishery. The creek is located in 3E-Perkiomen Watershed.

The treatment plant consists of Dissolved Air Floatation (DAF) units for pretreatment of industrial wastewater prior to treating with the remaining sewage waste with Activated Sludge Treatment (AST) plant. The sewage from various collection systems enters in the manhole located at head of the plant. Wastewater then passes through the fine screening and comminutor into pre-equalization tanks, where they mix with pretreated industrial wastewater. Secondary treatment is an activated sludge process that includes nitrogen removal and final clarification. Phosphorous removal is achieved by chemical addition to the biological process. Disinfection is achieved through UV. Liquid sludge is hauled off-site by Potty Queen. Sludge is taken to the Pottstown WWTP in Montgomery County. Treated effluent then discharges into Perkiomen Creek via Outfall 001.

The WWTP receives wastewater from Allentown Refrigeration and Blommer Chocolate Company with an average wasterwater flow of 0.018 MGD.

There were no changes to wastewater characteristics, receiving stream classification, and/or wastewater quantity. CBOD₅, NH₃-N, Dissolved Oxygen limits and other parameters remain unchanged, therefore, all existing effluent limitations are carried over in the renewal.

There is no change in the USEPA approved 2003, Total Maximum Daily Load (TMDL) of nutrients for Green Lane Reservoir. Therefore, the Phosphorous limit remains unchanged.

Approve	Deny	Signatures	Date
		Vasantha Palakurti / Environmental Engineering Specialist	October 2, 2019
		Pravin C. Patel, P.E. / Environmental Engineer Manager	

Summary of Review

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Discharge, Receiving	y Wateı	s and Water Supply Informa	tion	
Outfall No. 001 Latitude 40° Quad Name Wastewater Descrip	24' 23.0 otion:	O7" Sewage Effluent	Design Flow (MGD) Longitude Quad Code	.098 -75º 31' 18.26"
Receiving Waters		med Tributary to Perkiomen	_ Stream Code	01017
NHD Com ID	2597°	1714	RMI	27.79
Drainage Area	36.32		Yield (cfs/mi²)	7.05
Q ₇₋₁₀ Flow (cfs)	0.1		Q ₇₋₁₀ Basis	Previous Permit Modeling
Elevation (ft)	308		Slope (ft/ft)	
Watershed No.	3-E		Chapter 93 Class.	TSF
Existing Use			Existing Use Qualifier	
Exceptions to Use			Exceptions to Criteria	
Assessment Status		Not Assessed	_	
Cause(s) of Impairm	nent	Impaired by organic enrichm	ent/ low dissolved oxygen	
Source(s) of Impairr	ment	Agriculture		
TMDL Status		Final	Name Green Lar	ne Reservoir

Changes Since Last Permit Issuance: There were no changes to wastewater characteristics, receiving stream classification, and/or wastewater quantity.

Compliance History

DMR Data for Outfall 001 (from August 1, 2018 to July 31, 2019)

Parameter	JUL-19	JUN-19	MAY-19	APR-19	MAR-19	FEB-19	JAN-19	DEC-18	NOV-18	OCT-18	SEP-18	AUG-18
Flow (GPD)												
Average Monthly	0.049	0.048	0.067	0.046	0.048	0.048	0.058	0.047	0.06	0.036	0.047	0.049
Flow (GPD)												
Daily Maximum	0.129	0.122	0.158	0.116	0.111	0.075	0.119	0.108	0.113	0.053	0.111	0.142
pH (S.U.)												
Instantaneous												
Minimum	6.77	6.95	6.88	6.81	6.76	6.8	6.7	6.6	6.6	6.5	6.5	6.7
pH (S.U.)												
Instantaneous												
Maximum	7.8	7.51	7.49	7.6	7.58	7.62	7.4	7.3	7.2	7.1	7.1	7.4
DO (mg/L)												
Instantaneous												
Minimum	5.87	6.15	7.75	7.36	8.49	8.1	8.0	8.6	6.7	5.7	5.8	6.1
DO (mg/L)												
Average Monthly	6.88	7.44	8.63	8.55	9.47	9.33	9.3	9.9	10	7	6.8	6.7
CBOD5 (lbs/day)												
Average Monthly	2	2	2	3	2	5	2	1	1	< 1	< 4	< 0.7
CBOD5 (lbs/day)												
Influent br/> Average												
Monthly	54	60	63	57	93	58	87	72	62	52	47	65
CBOD5 (lbs/day)												
Influent br/> Weekly					400		404					
Average	60	78	79	62	128	60	104	87	76	62	57	82
CBOD5 (lbs/day)						_		_				
Weekly Average	2	3	2	3	2	5	3	1	2	1	6	0.8
CBOD5 (mg/L)	5 7	_		0		4.4	-		0			
Average Monthly	5.7	7	4	9	6	11	5	3	3	< 3	< 8	< 2
CBOD5 (mg/L)												
Influent br/> Average	400	200	454	400	255	450	400	222	440	168	440	226
Monthly (man/L)	182	206	151	188	255	158	180	233	112	168	112	226
CBOD5 (mg/L) Influent br/> Weekly												
	211	274	270	195	358	162	216	289	149	192	128	318
Average CBOD5 (mg/L)	<u> </u>	2/4	210	190	330	102	210	209	149	192	120	310
Weekly Average	7.8	9	7	11	6	14	5	3	3	3	13	2
BOD5 (lbs/day)	1.0	9	'	11	U	14	J	<u> </u>	3	<u> </u>	13	
Influent bobs (lbs/day)												
Monthly	61	80	92	101	112	95	114	79	79	65	59	81
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NPDES Permit Fact Sheet Upper Hanover Perkiomen WWTP

Influent cbr/s Weekly Average 62 100 109 106 150 124 140 101 91 82 74 108													
Average 62 100 109 106 150 124 140 101 91 82 74 108 BODS (mg/L) Influent -btr/> Average Monthly 206 273 220 340 306 255 231 259 142 210 143 286 BODS (mg/L) Average Monthly 1 0.4 < 0.9 2 1 5 3 3 2 1 2 0.6 TSS (bs/day) Average Monthly 1 0.4 < 0.9 2 1 5 3 3 2 1 2 0.6 TSS (bs/day) Influent -btr/> Average Monthly 2 1 0.4 < 0.9 2 1 5 3 3 2 1 2 0.6 TSS (bs/day) Influent -btr/> Average Monthly 3 1 0.4 < 0.9 2 1 5 3 3 3 2 1 2 0.6 TSS (bs/day) Influent -btr/> Average Monthly 4 9 61 60 76 80 51 83 51 69 44 31 81 TSS (bs/day) Influent -btr/> Weekly Average Monthly 5 1 2 0.4 1 3 2 6 3 4 2 2 2 4 0.8 TSS (bs/day) Influent -btr/> Weekly Average Monthly 5 1 < 2 6 4 111 6 10 4 4 5 2 2 1 0.8 TSS (bs/day) Influent -btr/> Average Monthly 5 1 < 2 6 4 111 6 10 4 4 5 5 2 TSS (mg/L) Influent -btr/> Average Monthly 5 1 < 2 6 4 111 6 10 4 4 5 5 2 TSS (mg/L) Influent -btr/> Average Monthly 6 1 4 5 9 3 1 1	BOD5 (lbs/day)												
BODS (mg/L) Influent ~ br/ > Weekly Average Monthly 206 273 220 340 306 255 231 259 142 210 143 286 BODS (mg/L) Influent ~ br/ > Weekly Average 218 353 375 375 417 317 269 336 178 252 167 416 TSS (tbs/day) Average Monthly 1 0.4 < 0.9 2 1 5 3 3 2 1 2 0.6 TSS (tbs/day) Influent ~ br/ > Average Monthly 49 61 60 76 80 51 83 51 69 44 31 81 TSS (tbs/day) Influent ~ br/ > Weekly Average 58 72 70 101 91 62 113 54 88 52 48 100 TSS (tbs/day) Average 2 0.4 1 3 2 6 3 4 2 2 4 0.8 TSS (mg/L) Average Monthly 5 1 < 2 6 4 11 6 10 4 4 5 2 TSS (mg/L) Average Monthly 167 208 141 250 218 138 160 167 126 145 74 282 TSS (mg/L) Influent ~ br/ > Weekly Average 2 0.4 1 3 2.5 218 138 160 167 126 145 74 282 TSS (mg/L) Influent ~ br/ > Weekly Average 203 255 240 320 253 157 164 180 173 160 108 388 TSS (mg/L) Average Monthly 182 200 238 197 283 343 290 184 275 226 238 192 Total Dissolved Solids (tbs/day) Average Monthly 182 200 238 197 283 343 290 184 275 226 238 192 Total Dissolved Solids (tbs/day) Average Monthly 182 200 238 197 283 343 290 184 275 226 238 192 Total Dissolved Solids (tbs/day) Average Monthly 574 563 422 656 797 751 535 555 457 567 508 592 Total Dissolved Solids (mg/L) Average Monthly 574 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) Average Monthly 574 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) Average Monthly 574 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) Average Monthly 574 563 422 656 797 751 535 555 457 557 558 601 Total Diss	Influent Weekly												
Influent -br/> Average Monthly 206 273 220 340 306 255 231 259 142 210 143 286	Average	62	100	109	106	150	124	140	101	91	82	74	108
Monthly 206 273 220 340 306 255 231 259 142 210 143 286 BOD5 (mg/L) Influent -bt/s Weekly Average 218 353 375 375 417 317 269 336 178 252 167 416 TSS (bs/day) Average Ave	BOD5 (mg/L)												
BODS (mg/L)													
Influent -bt/> Weekly Average 218 353 375 375 417 317 269 336 178 252 167 416 TSS (bs/day) 1 0.4 < 0.9 2 1 5 3 3 2 1 2 0.6 TSS (bs/day) 178	Monthly	206	273	220	340	306	255	231	259	142	210	143	286
Influent -bt/> Weekly Average 218 353 375 375 417 317 269 336 178 252 167 416 416 TSS (bs/day) 1 0.4 < 0.9 2 1 5 3 3 2 1 2 0.6 178 (bs/day) 178 178 (bs/day) 178	BOD5 (mg/L)												
Average													
TSS (Ibs/day)	_	218	353	375	375	417	317	269	336	178	252	167	416
Average Monthly 1 0.4 < 0.9 2 1 5 3 3 2 1 2 0.6 TSS (lbs/day) Influent chr/s Average Monthly 49 61 60 76 80 51 83 51 69 44 31 81 TSS (lbs/day) Influent chr/s Weekly Average State													
TSS (lbs/day)		1	0.4	< 0.9	2	1	5	3	3	2	1	2	0.6
Influent <a "="" 10.1008="" doi.org="" href="https://doi.org/10.1508/journal-strain</td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td>-</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td> Monthly</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td> TSS (lbs/day) Influent TSS (lbs/day) TSS (lbs/da		49	61	60	76	80	51	83	51	69	44	31	81
Influent Average 58 72 70 101 91 62 113 54 88 52 48 100 105							<u> </u>					<u> </u>	
Average 58 72 70 101 91 62 113 54 88 52 48 100 TSS (lbs/day) Weekly Average 2 0.4 1 3 2 6 3 4 2 2 2 4 0.8 TSS (mg/L) Average Monthly 5 1 < 2 6 4 11 6 10 4 4 5 2 TSS (mg/L) Influent <pre></pre>													
TSS (lbs/day) Weekly Average 2 0.4 1 3 2 6 3 4 2 2 4 0.8		58	72	70	101	91	62	113	54	88	52	48	100
Weekly Average 2													
TSS (mg/L)		2	0.4	1	3	2	6	3	4	2	2	4	0.8
Average Monthly 5				-			-		-			-	
TSS (mg/L) Influent 		5	1	< 2	6	4	11	6	10	4	4	5	2
Influent btr/> Average 167 208 141 250 218 138 160 167 126 145 74 282			-			-				-	-		
Monthly 167 208 141 250 218 138 160 167 126 145 74 282 TSS (mg/L) Influent Neverage 203 255 240 320 253 157 164 180 173 160 108 388 TSS (mg/L) Weekly Average 6 1 4 10 5 15 8 11 4 5 9 3 Total Dissolved Solids (lbs/day) 182 200 238 197 283 343 290 184 275 226 238 192 Total Dissolved Solids (lbs/day) 198 228 300 206 307 385 337 201 299 267 251 601 Total Dissolved Solids (mg/L) 4 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) 2 4 661 920 769 593 <td></td>													
TSS (mg/L) Influent Average		167	208	141	250	218	138	160	167	126	145	74	282
Influent Average 203 255 240 320 253 157 164 180 173 160 108 388 15													
Average 203 255 240 320 253 157 164 180 173 160 108 388 TSS (mg/L) Weekly Average 6 1 4 10 5 15 8 11 4 5 9 3 Total Dissolved Solids (lbs/day) Average Monthly 182 200 238 197 283 343 290 184 275 226 238 192 Total Dissolved Solids (mg/L) Average Monthly 198 228 300 206 307 385 337 201 299 267 251 601 Total Dissolved Solids (mg/L) Average Monthly 574 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) Daily Maximum 608 582 484 661 920 769 593 634 466 697 558 601 Fecal Colifo													
TSS (mg/L) Weekly Average 6 1 4 10 5 15 8 11 4 5 9 3 Total Dissolved Solids (lbs/day) Average Monthly 182 200 238 197 283 343 290 184 275 226 238 192 Total Dissolved Solids (lbs/day) Daily Maximum 198 228 300 206 307 385 337 201 299 267 251 601 Total Dissolved Solids (mg/L) Average Monthly 574 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) Daily Maximum 608 582 484 661 920 769 593 634 466 697 558 601 Fecal Coliform		203	255	240	320	253	157	164	180	173	160	108	388
Weekly Average 6 1 4 10 5 15 8 11 4 5 9 3 Total Dissolved Solids (lbs/day) Average Monthly 182 200 238 197 283 343 290 184 275 226 238 192 Total Dissolved Solids (mg/L) Average Monthly 198 228 300 206 307 385 337 201 299 267 251 601 Total Dissolved Solids (mg/L) Average Monthly 574 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) Daily Maximum 608 582 484 661 920 769 593 634 466 697 558 601 Fecal Coliform													
Total Dissolved Solids (lbs/day) Average Monthly 182 200 238 197 283 343 290 184 275 226 238 192 Total Dissolved Solids (lbs/day) Daily Maximum 198 228 300 206 307 385 337 201 299 267 251 601 Total Dissolved Solids (mg/L) Average Monthly 574 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) Daily Maximum 608 582 484 661 920 769 593 634 466 697 558 601 Fecal Coliform		6	1	4	10	5	15	8	11	4	5	9	3
Clbs/day Average Monthly 182 200 238 197 283 343 290 184 275 226 238 192													
Average Monthly 182 200 238 197 283 343 290 184 275 226 238 192 Total Dissolved Solids (mg/L) 198 228 300 206 307 385 337 201 299 267 251 601 Total Dissolved Solids (mg/L) Average Monthly 574 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) Daily Maximum 608 582 484 661 920 769 593 634 466 697 558 601 Fecal Coliform 198 228 300 206 307 385 337 201 299 267 251 601 Average Monthly 574 563 422 656 797 751 535 555 457 557 508 592													
Total Dissolved Solids (lbs/day) 198 228 300 206 307 385 337 201 299 267 251 601 Total Dissolved Solids (mg/L) (mg/L) 574 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) (mg/L) 593 634 466 697 558 601 Fecal Coliform 608 582 484 661 920 769 593 634 466 697 558 601		182	200	238	197	283	343	290	184	275	226	238	192
Clbs/day Daily Maximum 198 228 300 206 307 385 337 201 299 267 251 601									_				
Daily Maximum 198 228 300 206 307 385 337 201 299 267 251 601 Total Dissolved Solids (mg/L) Average Monthly 574 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) Complex of the com													
Total Dissolved Solids (mg/L) Average Monthly 574 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) Daily Maximum 608 582 484 661 920 769 593 634 466 697 558 601 Fecal Coliform		198	228	300	206	307	385	337	201	299	267	251	601
(mg/L) Average Monthly 574 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) Daily Maximum 608 582 484 661 920 769 593 634 466 697 558 601 Fecal Coliform Technical Coliform													
Average Monthly 574 563 422 656 797 751 535 555 457 557 508 592 Total Dissolved Solids (mg/L) Daily Maximum 608 582 484 661 920 769 593 634 466 697 558 601 Fecal Coliform Technique													
Total Dissolved Solids (mg/L) 608 582 484 661 920 769 593 634 466 697 558 601 Fecal Coliform Image: Feat Coliform of the content of		574	563	422	656	797	751	535	555	457	557	508	592
(mg/L) Daily Maximum 608 582 484 661 920 769 593 634 466 697 558 601 Fecal Coliform 601													
Daily Maximum 608 582 484 661 920 769 593 634 466 697 558 601 Fecal Coliform Image: Color of the color													
Fecal Coliform		608	582	484	661	920	769	593	634	466	697	558	601
				1.5.									
	(CFU/100 ml)												
Geometric Mean <3 <2 <2 <4 <2 <2 <2 <2 <2 <2 <2 <2 <2		< 3	< 2	< 2	< 4	< 2	< 2	< 2	< 2	4	< 2	< 2	< 2

Fecal Coliform (CFU/100 ml)												
Instantaneous												
Maximum	5	< 2	< 2	7	3	< 2	< 2	< 2	8	< 2	< 2	< 2
UV Intensity (mW/cm²)												
Minimum	100	100	100	100	100	100	100	100	100	100	100	100
Total Nitrogen												
(lbs/day)												
Average Monthly	< 3	< 4	< 5	< 5	< 6	< 9	< 6	< 6	< 7	< 3	< 2	< 1
Total Nitrogen (mg/L)												
Average Monthly	< 10.8	< 10.91	< 8.91	< 17.05	< 17.26	< 18.77	< 11.29	< 18.64	< 11.35	< 8.31	< 4.82	< 3.5
Ammonia (lbs/day)												
Average Monthly	< 0.03	< 0.04	< 0.06	< 0.05	< 0.1	4.2	< 0.3	< 0.03	< 0.1	< 0.04	< 0.05	< 0.03
Ammonia (mg/L)												
Average Monthly	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	8.4	< 0.4	< 0.1	< 0.2	< 0.1	< 0.1	< 0.1
Total Phosphorus (lbs/day)												
Average Monthly	0.04	0.03	0.05	0.05	0.06	0.2	0.08	0.04	0.05	0.06	0.06	0.05
Total Phosphorus (mg/L)												
Average Monthly	0.1	0.1	0.1	0.02	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.2

Development of Effluent Limitations

Water Quality-Based Limitations

DMR data from August 2018 thru July 2019 was summarized and reviewed for this analysis. Based on an average monthly flow of 0.05 MGD and the reported data entered in Toxic Screening Analysis Spreadsheet, only TDS is shown as parameter of concern. TDS in the current permit already has an established limit therefore no further PENTOX modeling was performed.

Conventional Parameters

CBOD₅, NH₃-N, Dissolved Oxygen limits are carried over from previous permits. No changes to assumptions, flows, etc., so effluent limits remain unchanged for CBOD5.

Phosphorus

The outfall of the WWTP is located on Perkiomen Creek, upstream of Green Lane Reservoir. In March 2003, USEPA approved a Total Maximum Daily Load (TMDL) of nutrients for Green Lane Reservoir. The TMDL is accomplished by requiring all point sources in the watershed to achieve effluent limitations of 0.5 mg/l total phosphorus and reductions in nonpoint source total phosphorus contributions from cropland, hay/pasture land, septic systems, stream bank areas, transitional lands, and low and high intensity development.

Total Nitrogen

Reporting for total nitrogen as recommended by SOP is carried over to this permit renewal.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Guttan 661, Encouve i enca.		Monitoring Requirements						
Davamatav	Mass Units	(lbs/day) (1)		Concentrat	Minimum (2)	Required		
Parameter	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum	Measurement Frequency	Sample Type
Flow (GPD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	5.0 Inst Min	Report	XXX	XXX	1/day	Grab
CBOD5	20	32	xxx	25	40	50	2/month	24-Hr Composite
CBOD5 Influent	Report	Report	XXX	Report	Report	XXX	2/month	24-Hr Composite
BOD5 Influent	Report	Report	XXX	Report	Report	XXX	2/month	24-Hr Composite
TSS Influent	Report	Report	XXX	Report	Report	XXX	2/month	24-Hr Composite
TSS	25	37	XXX	30	45	60	2/month	24-Hr Composite
Total Dissolved Solids	817	1635 Daily Max	XXX	1000	2000 Daily Max	2500	2/month	24-Hr Composite
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
Fecal Coliform (CFU/100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
UV Intensity (mW/cm²)	XXX	XXX	Report	XXX	XXX	XXX	1/day	Metered
Total Nitrogen	Report	XXX	XXX	Report	XXX	XXX	2/month	24-Hr Composite
Ammonia Nov 1 - Apr 30	12.0	XXX	XXX	15.0	XXX	30	2/month	24-Hr Composite
Ammonia May 1 - Oct 31	4.0	XXX	XXX	5.0	XXX	10	2/month	24-Hr Composite
Total Phosphorus	0.4	XXX	XXX	0.5	XXX	1	2/month	24-Hr Composite