

Application Type Renewal
(& transfer)
Facility Type Sewage
Facility Type SFTF

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF

Application No. PA0085235
APS ID 1138410
Authorization ID 1529683

Applicant and Facility Information

Applicant Name	<u>Cecile Grimshaw</u>	Facility Name	<u>Emily's Event And Venue</u>
Applicant Address	<u>3507 River Road</u> <u>Reading, PA 19605-1446</u>	Facility Address	<u>3790 Morgantown Road</u> <u>Mohnton, PA 19540-7920</u>
Applicant Contact	<u>Cecile Grimshaw</u>	Facility Contact	<u>Cecile Grimshaw</u>
Applicant Phone	<u>(484) 400-6893 / cgrim06@gmail.com</u> <u>393118</u> <u>(formerly 228022, DeGrazia LLC,</u> <u>carldegrazia@gmail.com)</u>	Facility Phone	<u>(484) 400-6893 /cgrim06@gmail.com</u>
Client ID	<u>5812</u>	Site ID	<u>260810</u>
SIC Code	<u>5812</u>	Municipality	<u>Robeson Township</u>
SIC Description	<u>Retail Trade – Eating Places</u> <u>January 9, 2025 (renewal</u> <u>application from previous owner)</u> <u>May 22, 2025 (transfer</u> <u>application from new owner)</u>	County	<u>Berks</u>
Date Application Received	<u>January 23, 2025 (renewal)</u> <u>June 9, 2025 (transfer)</u>	WQM Required	<u>Will be transferred with final NPDES</u>
Date Application Accepted		WQM App. No.	<u>0692409 T-2</u>
Purpose of Application	<u>Renewal / transfer of sewage discharge permit</u>		<u>(EPA waived)</u>

Summary of Review

The existing permit for this facility was issued April 24, 2020 to DeGrazia LLC. DEP received a renewal application via DEP's Public Upload system (Reference #282082) on January 9, 2025. The permit was administratively extended past its expiration date of April 30, 2025 by a DEP letter to the permittee dated January 22, 2025. On May 22, 2025, DEP received a transfer application via DEP's Public Upload system (Reference # 319792 and 319793). An unpaid annual fee for the NPDES permit was paid on June 18, 2025, allowing the renewal NPDES permit to be prepared in the new owner's name. The final NPDES permit and the transferred WQM permit will be issued simultaneously.

Design flow:

The existing permit's limits were based on a design flow of 0.0012 MGD. The renewal application indicated the same design flow. Past Discharge Monitoring Reports (DMRs) were reviewed to verify that the facility's flows have not been exceeding the design flow. They have not. The transfer application did not indicate there would be any changes. The same design flow of 0.0012 MGD has been used for the renewal NPDES permit.

Because the design flow is 2000 gpd or less, DEP considers this facility a "Small Flow Treatment Facility (SFTF)" such as for fees and applications to use.

The transfer application did not indicate there would be a change in pollutant mass loads or pollutant concentrations. No changes were expected or identified in the application. The renewal permit carried forward the design flow of 0.0012 MGD.

Approve	Deny	Signatures	Date
x		<i>Bonnie Boylan</i> Bonnie Boylan / Environmental Engineering Specialist	June 25, 2025
x		<i>Maria D. Bebenek for</i> Daniel W. Martin, P.E. / Environmental Engineer Manager	July 3, 2025

Summary of Review

Eligibility for DEP's general permit for SFTFs, PAG-04:

Not eligible. The treatment system is not one that is included in the Small Flow Treatment Manual [385-2188-005] nor would it be expected to achieve the limits in DEP's PAG-04 permit.

Hauled-in Wastes: None.

eDMR Registration Forms: Submitted and processed by DEP's Clean Water Data Management Division.

Unresolved Violations:

No open violations are shown in DEP's Client History Summary Report for the new owner/client or previous owner/client.

Sludge use and/or disposal: Hauled off-site

Delaware River Basin Commission (DRBC):

The facility discharges to a waterway within the Delaware River watershed and is thus subject to DRBC requirements. A copy of the draft permit and Fact Sheet will therefore be sent to the DRBC for their review in accordance with State regulations and an interagency agreement. Any comments from DRBC will be considered. The discharges is below DRBC's reviewable threshold and there are no DRBC dockets for the facility.

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.

Summary of Review

The limits required by the EXISTING permit:

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/month	Grab
DO	XXX	XXX	5.0	XXX	XXX	XXX	1/month	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.64	1/month	Grab
CBOD5	XXX	XXX	XXX	25.0	XXX	50.0	1/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	1/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	1/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	10,000	1/month	Grab
Ammonia	XXX	XXX	XXX	20.0	XXX	40.0	1/month	Grab

The Statistical Base Code on the existing permit's DMRs for pH and DO limits was 'Daily Minimum' while the permit only showed 'Minimum'.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0012
Latitude	40° 14' 3" (40.23417)	Longitude	75° 54' 31" (-75.90861)
Quad Name		Quad Code	
Wastewater Description: Domestic wastewater from restaurant			
Receiving Waters	Unnamed Tributary to Allegheny Creek (CWF)	Stream Code	64016
NHD Com ID	25982924	RMI	1.04
Drainage Area	0.83 sq.mi.	Yield (cfs/mi ²)	0.065 *
Q ₇₋₁₀ Flow (cfs)	0.054 cubic feet per second	Q ₇₋₁₀ Basis	USGS StreamStats online*
Elevation (ft)	Approx. 410	Slope (ft/ft)	
Watershed No.	3-C	Chapter 93 Class.	CWF, MF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Impaired for Recreational Use (assessment ID 18883)		
Cause(s) of Impairment	Pathogens		
Source(s) of Impairment	Unknown		
TMDL Status	None for UNT or for Allegheny Creek	Name	-
Secondary Receiving Waters:			
UNT 64016 empties into Allegheny Creek (stream code 1817, CWF, MF) at approximately RMI 4.9 which is impaired for Recreational Use due to Pathogens (assessment ID 18883) and impaired for Aquatic Life due to habitat modifications (assessment ID 23025) Allegheny Creek empties into Schuylkill River (stream code 0833, WWF, MF at approximately RMI 68 which is impaired for Fish Consumption due to Polychlorinated Bi-phenyls (PCBs) and subject to a Total Maximum Daily Load (TMDL)			
Background/Ambient Data – Not available.		Data Source – no DEP WQNs on receiving stream	
Nearest Downstream Public Water Supply Intake		Pottstown Borough Water Authority	
PWS Waters	Schuylkill River	Flow at Intake (cfs)	
PWS RMI	Approx. 57	Distance from Outfall (mi)	approx. 17 miles

Receiving stream is *not* classified as Class A Trout or Trout Natural Reproduction but Allegheny Creek approximately 1 mile downstream is classified as Trout Natural Reproduction.

There are no stream gages on the receiving stream (or on Allegheny Creek).

There are no nearby sewage treatment facilities (such as to include in modeling).

*Source of information is DEP's eMapPA (https://gis.dep.pa.gov/emappa_internal/) except as follows:

The estimated Q₇₋₁₀ flow and the drainage area upstream of the discharge is according to USGS PA StreamStats available at <https://streamstats.usgs.gov/ss/>. The Low-Flow Yield (LFY) is calculated as Q₇₋₁₀ in cfs / Drainage Area in square miles: 0.054 cfs/0.83 sq.mi.=0.065 cfs/mi²

The 30-day (Q₃₀₋₁₀) flow and 1-day (Q₁₋₁₀) stream flow are calculated from the Q₇₋₁₀ (DEP Technical Guidance Document No. 386-2000-003): Q₃₀₋₁₀ = 1.36 * Q₇₋₁₀; and Q₁₋₁₀ = 0.64 * Q₇₋₁₀.

Q_{stream} / Q_{discharge} = 0.054 cfs / [0.0012 MGD * (1.547 cfs/MGD)] = 29:1

Treatment Facility Summary				
Treatment Facility Name: Emilys Event And Venue				
WQM Permit No.		Issuance Date		
0692409 T-1		1/17/2006		
0625402		12/4/1992		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Extended Aeration/Settling	Calcium Hypochlorite Tablets	0.0012
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.0012			None	

The January 2025 renewal application indicated as follows:

The lift pump station moves the effluent from the building to a fat trap after which it gravity flows to 2 aeration tanks then to two polishing tanks then flows to a chlorine contact tank before flowing to a creek.

Note:

The Fact Sheets associated with the 2020 NPDES permit and the 2014 NPES permit also mention that dechlorination was used at the facility. DEP's Inspection from April 5, 2017 noted that a Dechlor feeder and tablets were used, located in a pit near the stream.

Compliance History

DMR Data for Outfall 001 (from May 1, 2024 to April 30, 2025):

Parameter	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24
Flow (MGD) Average Monthly												0.00049 9
Flow (MGD) Daily Maximum												0.00245 5
pH (S.U.) Daily Minimum												7.1
pH (S.U.) Instantaneous Maximum												8.27
DO (mg/L) Daily Minimum												7.92
TRC (mg/L) Average Monthly												< 0.4
TRC (mg/L) Instantaneous Maximum												< 1.00
CBOD5 (mg/L) Average Monthly												6.2
TSS (mg/L) Average Monthly												12.0
Fecal Coliform (No./100 ml) Geometric Mean												< 1
Fecal Coliform (No./100 ml) Instantaneous Maximum												< 1
Ammonia (mg/L) Average Monthly												1.12

Note: no flow was reported between June 1, 2024 and April 30, 2025. The restaurant was pumping and hauling their untreated wastewater while in the process of closing and selling the restaurant. (DEP Clean Water Operations was aware of this.) Earlier DMR Data for Outfall 001 is attached to the Fact Sheet.

Compliance History

Outfall 001:

Start Date	End Date	Parameter	Limit Type	Reported Value		Permit Limit	Unit	Sampling Freq.	Sampling Type	Cause of Non-Compliance	Corrective Action
2/1/2023	2/28/2023	TSS	Avg. Mo.	31.4	>	30	mg/l	1/month	Grab	Other	System pumped
7/1/2022	7/31/2022	Fecal Coliform	IMAX	18,200	>	1000	No/100 mL	1/month	Grab	Other	Other
7/1/2022	7/31/2022	TSS	Avg. Mo	50.5	>	30	mg/l	1/month	Grab	Other	Other
7/1/2022	7/31/2022	CBOD5	Avg. Mo	41.4	>	25	mg/l	1/month	Grab	Other	Other
7/1/2022	7/31/2022	DO	Daily Min.	4.89	<	5	mg/l	1/month	Grab	Other	Other
6/1/2022	6/30/2022	Fecal Coliform	Geo. Mean	306	>	200	No/100 mL	1/month	Grab	Other	Other
6/1/2022	6/30/2022	Ammonia	Avg. Mo	32.4	>	20	mg/l	1/month	Grab	Other	Other
6/1/2022	6/30/2022	DO	Daily Min.	0.66	<	5	mg/l	1/month	Grab	Other	Other
5/1/2022	5/31/2022	Fecal Coliform	IMAX	15,400	>	1000	No/100 mL	1/month	Grab	Eqpmt Failure	Diffusers out of svc
5/1/2022	5/31/2022	Fecal Coliform	Geo. Mean	3317	>	200	No/100 mL	1/month	Grab	Eqpmt Failure	Other
4/1/2022	4/30/2022	DO	Daily Min.	4.74	<	5	mg/l	1/month	Grab	Other	Incr'd blower run time
3/1/2022	3/31/2022	Fecal Coliform	Geo. Mean	4700	>	2000	No/100 mL	1/month	Grab	Eqpmt Failure	Installed new eqpmt
3/1/2022	3/31/2022	CBOD5	Avg. Mo	332	>	25	mg/l	1/month	Grab	Eqpmt Failure	Installed new eqpmt
3/1/2022	3/31/2022	TSS	Avg. Mo	72	>	30	mg/l	1/month	Grab	Eqpmt Failure	Installed new eqpmt
2/1/2022	2/28/2022	CBOD5	Avg. Mo	101.8	>	25	mg/l	1/month	Grab	Other	Other
2/1/2022	2/28/2022	TSS	Avg. Mo	52.7	>	30	mg/l	1/month	Grab	Other	Other
1/1/2022	1/31/2022	CBOD5	Avg. Mo	54.1	>	25	mg/l	1/month	Grab	Eqpmt Failure	Repaired eqpmt

DEP Site Inspections:

October 13, 2020 – Administrative Review. No violations, although recent effluent violations (Fecal Coliform and CBOD5) were discussed.

April 5, 2017 - No violations identified during inspection. Grease trap is cleaned out once a month. Chlorine Contact Tank is aerated. Effluent samples are drawn from effluent discharge pipe; use peristaltic pump, milk jug and timer; timer is set to operate 8 hours per day. Dechlor feeder and tablets are used, located in a pit near stream. Effluent flow is 'measured' by water meter usage. No standby power. No bypasses since last inspection. No hauled-in waste. Sludge is disposed at a Publicly Owned Treatment Works (POTW). Operator checks facility twice a week.

Development of Effluent Limitations

Outfall No.	001	Design Flow (MGD)	0.0012
Latitude	40° 14' 3.00"	Longitude	-75° 54' 31.00"
Wastewater Description: Domestic wastewater from restaurant			

Technology-Based Effluent Limitations (TBELs)

The following technology-based limitations apply to sewage dischargers, subject to water quality analysis and Best Professional Judgement limitations where applicable:

Pollutant	Limit (units)	Statistical Base Code (SBC)	Federal Regulation	State Regulation
Carbonaceous Biochemical Oxygen Demand, 5-day (CBOD ₅)	25 mg/l	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
Total Suspended Solids (TSS)	30 mg/l	Average Monthly	133.102(b)(1)	92a.47(a)(1)
pH	6.0 – 9.0 std. unit	Min – Max	133.102(c)	95.2(1)
Fecal Coliform (5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
Fecal Coliform (5/1 – 9/30)	1,000 / 100 ml	Instant.Max. (IMAX)	-	92a.47(a)(4)
Fecal Coliform (10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
Fecal Coliform (10/1 – 4/30)	10,000 / 100 ml	Instant.Max. (IMAX)	-	92a.47(a)(5)
Total Residual Chlorine (TRC)	0.5 mg/l	Average Monthly	-	92a.48(b)(2)

The above TBELs match the existing permit limits and have been carried forward into the renewal permit. Note: DEP's Standard Operating Procedure (SOP) New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications allows more stringent CBOD₅ and TSS limits to not be imposed on existing SFTFs that were permitted prior to publication of the Small Flow Treatment Facilities Manual [385-2188-005, but previously 362-0300-002] when such facilities are not capable of meeting tertiary treatment limits.

The existing permit limits for Ammonia (which originated from Delaware River Basin Commission's recommended effluent limits) and Dissolved Oxygen (DO) (imposed on discharges in order to maintain the in-stream minimum for DO provided in 25 Pa. Code § 93.7) have also been carried forward into the renewal permit. The only change from the existing permit is as follows: the Statistical Base Code (SBC) recommended by DEP's Technical Guidance for the Development and Specification of Effluent Limitations [386-0400-001] is 'Instantaneous Minimum' for DO and pH grab samples, not Daily Minimum.

Water Quality-Based Effluent Limitations (WQBELs)

Total Maximum Daily Loads (TMDLs):

No TMDLs apply to the receiving water. The TMDL developed for the Schuylkill River, downstream, pertains to PCBs and has been applied to direct dischargers to the Schuylkill River. This discharge is not expected to include PCBs.

WQBELs other than TMDLs:

DEP uses a model known as **WQM 7.0** to determine limits for CBOD₅, Ammonia (NH₃-N), and DO. DEP's 'Implementation Guidance for Section 93.7 Ammonia Criteria', document #386-2000-022, provides the methods and calculations contained in the WQM 7.0 model. For more explanation of the WQM 7.0 model, see 'Technical Reference Guide WQM 7.0 for Windows, Wasteload Allocation Program for Dissolved Oxygen and Ammonia Nitrogen', document #386-2000-016. Because there are no other nearby sewage treatment plants, no other discharges were included in the model simulation.

Consistent with DEP's SOP Establishing Effluent Limitations in Individual Sewage NPDES Permits, the model was not re-run using a DO goal of 8 mg/l despite the downstream receiving water being classified as 'Trout Natural Reproduction'. This is an existing discharger who is not expanding and the Trout Natural Reproduction classification begins a mile downstream.

DEP's uses a **TRC model** (Excel spreadsheet) to determine WQBELs for TRC: the model utilizes the equations and calculations provided in DEP's 'Implementation Guidance Total Residual Chlorine (TRC) Regulation' for TRC, document #386-2000-011.

Some default values were used in the models in the absence of reliable site-specific data including:

Stream Temperature = 20°C
Stream pH = 7 standard unit (s.u.)
Background CBOD₅ in stream = 2 mg/l
Background Ammonia in stream = 0 mg/l
Background DO in stream = 8.24 mg/l
Stream chlorine demand = 0.3
Discharge chlorine demand = 0
Discharge Temperature = 25°C
Discharge pH = 7 s.u.

The WQM 7.0 model indicated that the existing permit limits for CBOD₅, DO, and Ammonia (TBELs) are protective of the receiving stream's designated uses. More stringent WQBELs were not indicated. The TRC model indicated that the existing permit limits for TRC (TBELs) are protective of the receiving stream's designated uses. More stringent WQBELs were not indicated. The model results and input values are attached.

DEP's Toxics Management Spreadsheet/model was not used. There are no known toxic parameters in this discharge.

Anti-Backsliding

No limits in the draft renewal permit are less stringent than the existing permit.

Mass Load vs. Concentration Limits

DEP's SOP New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications does not require mass load limits nor did the existing permit. Mass load limits have not been added.

Sample Types and Monitoring Frequencies

Sample types and monitoring frequencies are consistent with DEP's SOP New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications.

E. Coli Monitoring

DEP's SOP New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications does not require E. Coli monitoring in addition to Fecal Coliform monitoring.

Total Nitrogen (TN) and Total Phosphorus (TP) Monitoring

The receiving water and downstream waters have not been assessed as impaired for nutrients. Therefore, no limits for nutrients have been imposed. Because the design flow is less than 2000 gpd, DEP is not requiring monitoring for TN and TP.

Other Permit Conditions

DEP conditions standard for Small Flow Treatment Facilities are included in Part C of the draft renewal permit.

Class A Wild Trout Fisheries

No Class A Wild Trout Fisheries are impacted by this discharge.

Antidegradation

The permit limits and conditions are intended to protect the designated and existing uses of the receiving stream. No High Quality or Exceptional Value waters are impacted by this discharge.

Whereas the receiving stream has been assessed as impaired due to pathogens, this permit includes limits for Fecal Coliform which are intended to protect the receiving water's designated uses (which includes Recreational Use).

Proposed Effluent Limitations and Monitoring Requirements

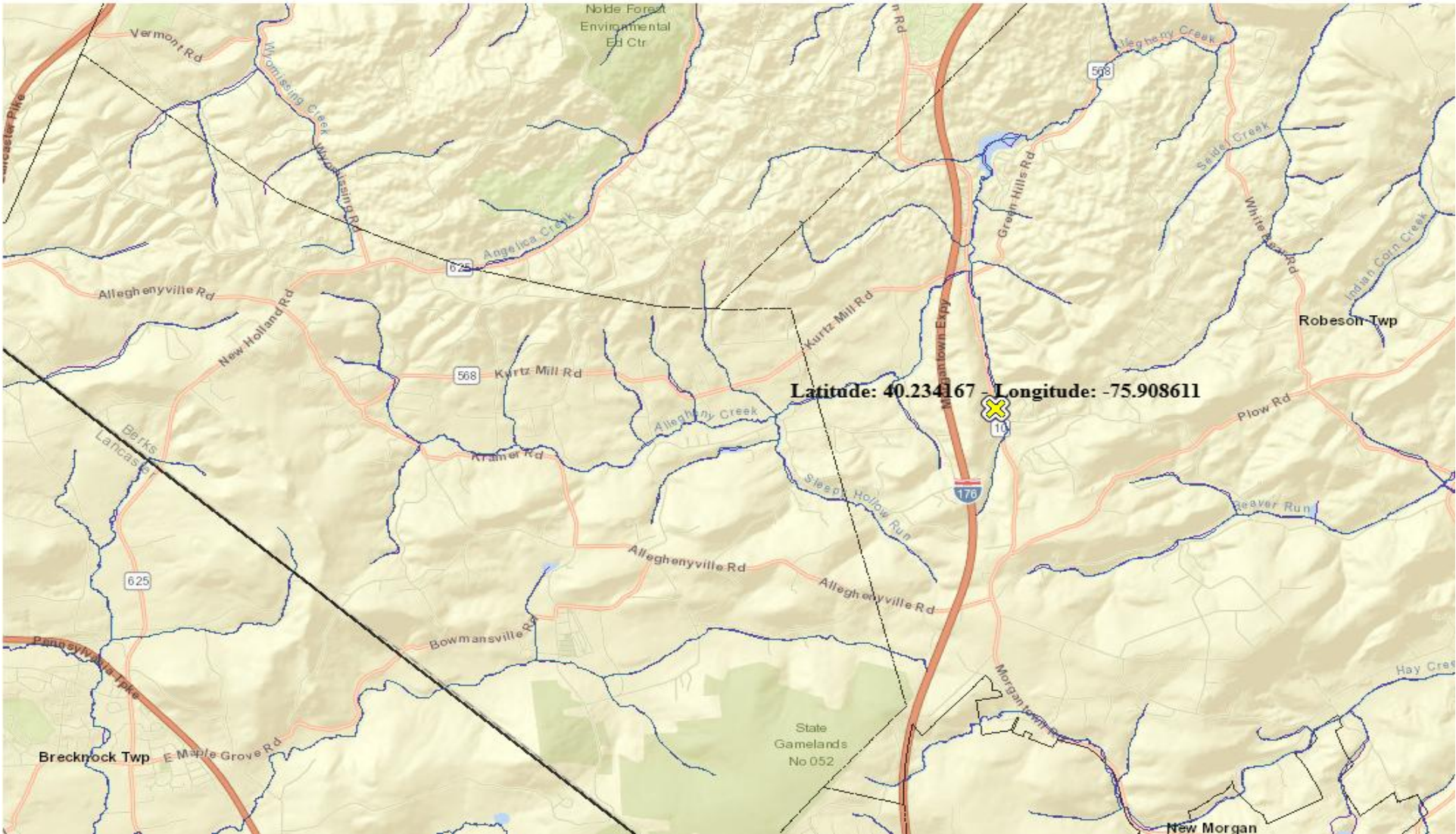
The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality as needed and BPJ. Instantaneous Maximum (IMAX) limits are generally determined using multipliers of 2 (conventional pollutants) 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**.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day unless otherwise indicated)		Concentrations (mg/L unless otherwise indicated)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Instant. Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/month	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	1/month	Grab
Total Residual Chlorine	XXX	XXX	XXX	0.5	XXX	1.64	1/month	Grab
CBOD ₅	XXX	XXX	XXX	25.0	XXX	50.0	1/month	Grab
Total Suspended Solids	XXX	XXX	XXX	30.0	XXX	60.0	1/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	10,000	1/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	1/month	Grab
Ammonia	XXX	XXX	XXX	20.0	XXX	40.0	1/month	Grab

Compliance Sampling Location: at outfall 001

Tools and References Used to Develop Permit	
☒	WQM for Windows Model (see Attachment)
☐	Toxics Management Spreadsheet (see Attachment)
☒	TRC Model Spreadsheet (see Attachment)
☐	Temperature Model Spreadsheet (see Attachment)
☐	Water Quality Toxics Management Strategy, 361-0100-003, 4/06.
☒	Technical Guidance for the Development and Specification of Effluent Limitations, 386-0400-001, 10/97.
☐	Policy for Permitting Surface Water Diversions, 386-2000-019, 3/98.
☐	Policy for Conducting Technical Reviews of Minor NPDES Renewal Applications, 386-2000-018, 11/96.
☐	Technology-Based Control Requirements for Water Treatment Plant Wastes, 386-2183-001, 10/97.
☐	Technical Guidance for Development of NPDES Permit Requirements Steam Electric Industry, 386-2183-002, 12/97.
☐	Pennsylvania CSO Policy, 386-2000-002, 9/08.
☒	Water Quality Antidegradation Implementation Guidance, 391-0300-002, 11/03.
☐	Implementation Guidance Evaluation & Process Thermal Discharge (316(a)) Federal Water Pollution Act, 386-2000-008, 4/97.
☒	Determining Water Quality-Based Effluent Limits, 386-2000-004, 12/97.
☒	Implementation Guidance Design Conditions, 386-2000-007, 9/97.
☒	Technical Reference Guide (TRG) WQM 7.0 for Windows, Wasteload Allocation Program for Dissolved Oxygen and Ammonia Nitrogen, Version 1.0, 386-2000-016, 6/2004.
☐	Interim Method for the Sampling and Analysis of Osmotic Pressure on Streams, Brines, and Industrial Discharges, 386-2000-012, 10/1997.
☐	Implementation Guidance for Section 95.6 Management of Point Source Phosphorus Discharges to Lakes, Ponds, and Impoundments, 386-2000-009, 3/99.
☐	Technical Reference Guide (TRG) PENTOXSD for Windows, PA Single Discharge Wasteload Allocation Program for Toxics, Version 2.0, 386-2000-015, 5/2004.
☒	Implementation Guidance for Section 93.7 Ammonia Criteria, 386-2000-022, 11/97.
☐	Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers, 386-2000-013, 4/2008.
☒	Implementation Guidance Total Residual Chlorine (TRC) Regulation, 386-2000-011, 11/1994.
☐	Implementation Guidance for Temperature Criteria, 386-2000-001, 4/09.
☐	Implementation Guidance for Section 95.9 Phosphorus Discharges to Free Flowing Streams, 386-2000-021, 10/97.
☐	Implementation Guidance for Application of Section 93.5(e) for Potable Water Supply Protection Total Dissolved Solids, Nitrite-Nitrate, Non-Priority Pollutant Phenolics and Fluorides, 386-2000-020, 10/97.
☐	Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness, 386-2000-005, 3/99.
☐	Implementation Guidance for the Determination and Use of Background/Ambient Water Quality in the Determination of Wasteload Allocations and NPDES Effluent Limitations for Toxic Substances, 386-2000-010, 3/1999.
☒	Design Stream Flows, 386-2000-003, 9/98.
☐	Field Data Collection and Evaluation Protocol for Deriving Daily and Hourly Discharge Coefficients of Variation (CV) and Other Discharge Characteristics, 386-2000-006, 10/98.
☐	Evaluations of Phosphorus Discharges to Lakes, Ponds and Impoundments, 386-3200-001, 6/97.
☐	Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.
☐	EPA Technical Support Document for Water Quality-based Toxics Control (TSD), EPA/505/2-90-001, PB91-127415, March 1991.
☒	SOP: New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications, Version 1.8, November 9, 2023
☒	SOP: New and Reissuance Sewage Individual NPDES Permit Applications, Version 2.0, February 3, 2022
☒	SOP: Establishing Effluent Limitations in Individual Sewage NPDES Permits, Version 2.0, February 5, 2024
☐	



USGS StreamStats, discharge at outfall 001:

StreamStats Output Report-UNT Allegheny Crk				
State/Region ID	PA			
Workspace ID	PA20250624185018738000			
Latitude	40.23418			
Longitude	-75.90815			
Time	6/24/2025 2:50:48 PM			
Basin Characteristics				
Parameter Code	Parameter Description	Value	Unit	
BSLOPD	Mean basin slope measured in degrees	7.0274	degrees	
DRNAREA	Area that drains to a point on a stream	0.83	square miles	
ROCKDEP	Depth to rock	4	feet	
URBAN	Percentage of basin with urban develop	0.6699	percent	
Low-Flow Statistics Flow 100.0 Percent Low Flow Region 1				
Statistic	Value	Unit		
7 Day 2 Year Low Flow	0.132	ft^3/s		
30 Day 2 Year Low Flow	0.176	ft^3/s		
7 Day 10 Year Low Flow	0.0542	ft^3/s		
30 Day 10 Year Low Flow	0.0772	ft^3/s		
90 Day 10 Year Low Flow	0.116	ft^3/s		
USGS Data Disclaimer: Unless otherwise stated, all data, metadata and related materials are considered to satisfy the quality standards:				
USGS Software Disclaimer: This software has been approved for release by the U.S. Geological Survey (USGS). Although the software has				
USGS Product Names Disclaimer: Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement				
Application Version: 4.29.1				
StreamStats Services Version: 1.2.22				
NSS Services Version: 2.2.1				

Low-Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p.

USGS Data Disclaimer: Unless otherwise stated, all data, metadata and related materials are considered to satisfy the quality standards relative to the purpose for which the data were collected. Although these data and associated metadata have been reviewed for accuracy and completeness and approved for release by the U.S. Geological Survey (USGS), no warranty expressed or implied is made regarding the display or utility of the data for other purposes, nor on all computer systems, nor shall the act of distribution constitute any such warranty.

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USGS StreamStats, downstream of outfall 001, at confluence with Allegheny Creek:

StreamStats Output Report-confl UNT and Allegheny Crk						
State/Region ID	PA					
Workspace ID	PA20250624190229580000					
Latitude	40.24841					
Longitude	-75.91192					
Time	6/24/2025 3:03:04 PM					
Basin Characteristics						
Parameter Code	Parameter Description	Value	Unit			
BSLOPD	Mean basin slope measured in degrees	8.2701	degrees			
DRNAREA	Area that drains to a point on a stream	1.36	square miles			
ROCKDEP	Depth to rock	4	feet			
URBAN	Percentage of basin with urban develop	0.4102	percent			
Low-Flow Statistics Flow F 100.0 Percent Low Flow Region 1						
Statistic	Value	Unit				
7 Day 2 Year Low Flow	0.266	ft^3/s				
30 Day 2 Year Low Flow	0.34	ft^3/s				
7 Day 10 Year Low Flow	0.118	ft^3/s				
30 Day 10 Year Low Flow	0.16	ft^3/s				
90 Day 10 Year Low Flow	0.22	ft^3/s				
Application Version: 4.29.1						
StreamStats Services Version: 1.2.22						
NSS Services Version: 2.2.1						

Low-Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p.

Same disclaimers as previous page.

TRC EVALUATION			
Input appropriate values in A3:A9 and D3:D9			
0.054	= Q stream (cfs)	0.5	= CV Daily
0.0012	= Q discharge (MGD)	0.5	= CV Hourly
30	= no. samples	1	= AFC_Partial Mix Factor
0.3	= Chlorine Demand of Stream	1	= CFC_Partial Mix Factor
0	= Chlorine Demand of Discharge	15	= AFC_Criteria Compliance Time (min)
0.5	= BAT/BPJ Value	720	= CFC_Criteria Compliance Time (min)
0	= % Factor of Safety (FOS)		=Decay Coefficient (K)
Source	Reference	AFC Calculations	Reference CFC Calculations
TRC	1.3.2.iii	WLA afc = 9.298	1.3.2.iii WLA cfc = 9.058
PENTOXSD TRG	5.1a	LTAMULT afc = 0.373	5.1c LTAMULT cfc = 0.581
PENTOXSD TRG	5.1b	LTA_afc= 3.465	5.1d LTA_cfc = 5.266
Source	Effluent Limit Calculations		
PENTOXSD TRG	5.1f	AML MULT = 1.231	
PENTOXSD TRG	5.1g	AVG MON LIMIT (mg/l) = 0.500	BAT/BPJ
		INST MAX LIMIT (mg/l) = 1.635	

WLA_afc	$(.019/e(-k*AFC_tc)) + [(AFC_Yc*Qs*.019/Qd*e(-k*AFC_tc))... \\ ...+ Xd + (AFC_Yc*Qs*Xs/Qd)]*(1-FOS/100)$
LTAMULT_afc	$EXP(((0.5*LN(cvh^2+1))-2.326*LN(cvh^2+1)^0.5)$
LTA_afc	$wla_afc*LTAMULT_afc$
WLA_cfc	$(.011/e(-k*CFC_tc) + [(CFC_Yc*Qs*.011/Qd*e(-k*CFC_tc))... \\ ...+ Xd + (CFC_Yc*Qs*Xs/Qd)]*(1-FOS/100)$
LTAMULT_cfc	$EXP(((0.5*LN(cvd^2/no_samples+1))-2.326*LN(cvd^2/no_samples+1)^0.5)$
LTA_cfc	$wla_cfc*LTAMULT_cfc$
AML_MULT	$EXP(2.326*LN((cvd^2/no_samples+1)^0.5)-0.5*LN(cvd^2/no_samples+1))$
AVG_MON_LIMIT	$MIN(BAT_BPJ,MIN(LTA_afc,LTA_cfc)*AML_MULT)$
INST_MAX_LIMIT	$1.5*((av_mon_limit/AML_MULT)/LTAMULT_afc)$

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Input Data WQM 7.0

General Data

General

Stream

Discharge and Parameters

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	LFY (cfs)	Slope (ft/ft)	PWS With (mgd)	Apply FC
▶ 64016	1.040	410	0.83	0.065	0	0	☒
64016	0.000	330	1.36	0.087	0	0	☒

Add Record
Delete Record

Stream Data

General

Stream

Discharge and Parameters

Design Condition

☒ Q7-10
☐ Q1-10
☐ Q30-10

RMI	Trib Flow (cfs)	Stream Flow (cfs)	Rch Trav Time (days)	Rch Velocity (fps)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Tributary Temp (°C)	pH	Stream Temp (°C)	pH
▶ 1.040	0.00	0.00	0.000	0.00	0	0.00	0.00	20.00	7.00	0.000	0.00
0.000	0.00	0.00	0.000	0.00	0	0.00	0.00	20.00	7.00	0.000	0.00

Discharge and Parameter Data

General

Stream

Discharge and Parameters

Discharge Data

RMI	Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
1.040	Emily's	PA0085235	0.0000	0.0012	0.0000	0.000	25.00	7.00

Parameter Data

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/day)
▶ CBOD5	25.00	2.00	0.00	1.50
NH3-N	20.00	0.00	0.00	0.70
Dissolved Oxygen	5.00	8.24	0.00	0.00

Record: 1 of 2
No Filter
Search

Input Data WQM 7.0

Discharge and Parameter Data

General

Stream

Discharge and Parameters

RMI	Name	Permit Number	Existing	Permitted	Design	Reserve	Disc Temp (°C)	Disc pH
			Disc Flow (mgd)	Disc Flow (mgd)	Disc Flow (mgd)			
0.000	conf AlleghenyC		0.0000	0.0000	0.0000	0.000	20.00	7.00

Parameter Data

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/day)
CBOD5	25.00	2.00	0.00	1.50
NH3-N	20.00	0.00	0.00	0.70
Dissolved Oxygen	5.00	8.24	0.00	0.00

Record: 2 of 2

No Filter

Search

Modeling Specifications WQM 7.0

Select Parameters

☐ NH3-N
☐ Dissolved Oxygen
☒ Both

Select WLA Method

☐ Uniform Treatment
☒ EMPR
☐ D.O. Simulation

Q1-10 and Q30-10 Data

☒ Use input Q1-10 and Q30-10 data
 Q1-10/Q7-10 ratio: 0.64
 Q30-10/Q7-10 ratio: 1.36

WQAM 6.3 Comparison

☐ Input reach W/D ratios * ☐ Input reach travel times *
☒ Temperature Adjust Kr**

* Check to duplicate WQAM 6.3 results
 ** Uncheck to duplicate WQAM 6.3 results

Dissolved Oxygen

DO Goal: 6.00
 DO Saturation Percent: 90.0%
☒ Use Balanced Technology

Analysis Results WQM 7.0

Hydrodynamics

NH3-N Allocations

D.O. Allocations

D.O. Simulation

Effluent Limitations

RMI	Total Discharge Flow (mgd)	Analysis Temperature (°C)	Analysis pH
1.04	0.001	20.166	7.000
Reach Width (ft)	Reach Depth (ft)	Reach WD Ratio	Reach Velocity (fps)
3.706	0.317	11.693	0.048
Reach C-BOD5 (mg/L)	Reach Kc (1/days)	Reach NH3-N (mg/L)	Reach Kn (1/days)
2.77	0.224	0.67	0.709
Reach DO (mg/L)	Reach Kr (1/days)	Kr Equation	Reach DO Goal (mg/L)
8.135	23.713	Owens	6

Reach Travel Time (days)

1.337

Subreach Results

TravTime (days)	CBOD5 (mg/L)	NH3-N (mg/L)	D.O. (mg/L)
0.134	2.68	0.61	8.22
0.267	2.60	0.55	8.22
0.401	2.53	0.50	8.22
0.535	2.45	0.46	8.22
0.669	2.38	0.41	8.22
0.802	2.31	0.38	8.22
0.936	2.24	0.34	8.22
1.070	2.17	0.31	8.22
1.204	2.11	0.28	8.22
1.337	2.04	0.26	8.22

Record: 1 of 1

No Filter

Search

Analysis Results WQM 7.0

Hydrodynamics

NH3-N Allocations

D.O. Allocations

D.O. Simulation

Effluent Limitations

RMI	Discharge Name	Permit Number	Disc Flow (mgd)
1.04	Emily's	PA0085235	0.0000

Parameter	Effluent Limit 30 Day Average (mg/L)	Effluent Limit Maximum (mg/L)	Effluent Limit Minimum (mg/L)
CBOD5	25		
NH3-N	20	40	
Dissolved Oxygen			5

Record: 1 of 1

No Filter

Search

NPDES Permit Fact Sheet
Emilys Event And Venue

NPDES Permit No. PA0085235

MONITORING DATE	MONITORING DATE	DMR_VERSION	OUTFALL	DISCHARGE	MONITOR PARAMETER	LOAD_UNITS	LOAD_1_V	LOAD_1	LOAD_1_SBC	LOAD_2_V	LOAD_2	LOAD_2_S	CONC_UNITS	CONC_1_V	CONC_1_L	CONC_1_S	CONC_2_V	CONC_2_L	CONC_2_S	CONC_3_V	CONC_3_L	CONC_3_S	SAMPLE_FREQUENCY	SAMPLE_TYPE
6/1/2024	6/30/2024	1.001	No	Final Effluent																				
7/1/2024	7/31/2024	1.001	No	Final Effluent																				
8/1/2024	8/31/2024	1.001	No	Final Effluent																				
9/1/2024	9/30/2024	1.001	No	Final Effluent																				
10/1/2024	10/31/2024	1.001	No	Final Effluent																				
11/1/2024	11/30/2024	1.001	No	Final Effluent																				
12/1/2024	12/31/2024	1.001	No	Final Effluent																				
1/1/2025	1/31/2025	1.001	No	Final Effluent																				
2/1/2025	2/28/2025	1.001	No	Final Effluent																				
3/1/2025	3/31/2025	1.001	No	Final Effluent																				
4/1/2025	4/30/2025	1.001	No	Final Effluent																				
1/1/2021	1/31/2021	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				0.12	20	Average Monthly				1/month	Grab
2/1/2021	2/28/2021	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				0.11	20	Average Monthly				1/month	Grab
3/1/2021	3/31/2021	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				< 0.1	20	Average Monthly				1/month	Grab
4/1/2021	4/30/2021	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				0.11	20	Average Monthly				1/month	Grab
5/1/2021	5/31/2021	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				2.17	20	Average Monthly				1/month	Grab
6/1/2021	6/30/2021	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				1.55	20	Average Monthly				1/month	Grab
7/1/2021	7/31/2021	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				0.71	20	Average Monthly				1/month	Grab
8/1/2021	8/31/2021	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				0.3	20	Average Monthly				1/month	Grab
9/1/2021	9/30/2021	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				0.42	20	Average Monthly				1/month	Grab
10/1/2021	10/31/2021	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				< 0.1	20	Average Monthly				1/month	Grab
11/1/2021	11/30/2021	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				0.84	20	Average Monthly				1/month	Grab
12/1/2021	12/31/2021	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				< 0.1	20	Average Monthly				1/month	Grab
1/1/2022	1/31/2022	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				< 0.1	20	Average Monthly				1/month	Grab
2/1/2022	2/28/2022	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				11	20	Average Monthly				1/month	Grab
3/1/2022	3/31/2022	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				18.1	20	Average Monthly				1/month	Grab
4/1/2022	4/30/2022	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				7.56	20	Average Monthly				1/month	Grab
5/1/2022	5/31/2022	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				8.13	20	Average Monthly				1/month	Grab
6/1/2022	6/30/2022	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				32.4	20	Average Monthly				2/month	Grab
7/1/2022	7/31/2022	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				< 14.75	20	Average Monthly				2/month	Grab
8/1/2022	8/31/2022	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				2.38	20	Average Monthly				1/month	Grab
9/1/2022	9/30/2022	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				< 0.2	20	Average Monthly				1/month	Grab
10/1/2022	10/31/2022	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				0.17	20	Average Monthly				1/month	Grab
11/1/2022	11/30/2022	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				0.24	20	Average Monthly				1/month	Grab
12/1/2022	12/31/2022	1.001	Yes	Final Efflu Ammonia-Nitrogen									mg/L				0.24	20	Average Monthly				1/month	Grab

NPDES Permit Fact Sheet
Emilys Event And Venue

NPDES Permit No. PA0085235

1/1/2023	1/31/2023	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				0.29	20 Average Monthly			1/month	Grab
2/1/2023	2/28/2023	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				0.51	20 Average Monthly			1/month	Grab
3/1/2023	3/31/2023	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				0.24	20 Average Monthly			1/month	Grab
4/1/2023	4/30/2023	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				< 0.1	20 Average Monthly			1/month	Grab
5/1/2023	5/31/2023	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				0.97	20 Average Monthly			1/month	Grab
6/1/2023	6/30/2023	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				< 0.1	20 Average Monthly			1/month	Grab
7/1/2023	7/31/2023	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				< 0.10	20 Average Monthly			1/month	Grab
8/1/2023	8/31/2023	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				< 0.10	20 Average Monthly			1/month	Grab
9/1/2023	9/30/2023	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				0.32	20 Average Monthly			1/month	Grab
10/1/2023	10/31/2023	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				1.63	20 Average Monthly			1/month	Grab
11/1/2023	11/30/2023	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				0.33	20 Average Monthly			1/month	Grab
12/1/2023	12/31/2023	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				0.6	20 Average Monthly			1/month	Grab
1/1/2024	1/31/2024	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				2.94	20 Average Monthly			1/month	Grab
2/1/2024	2/29/2024	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				1.53	20 Average Monthly			1/month	Grab
3/1/2024	3/31/2024	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				0.35	20 Average Monthly			1/month	Grab
4/1/2024	4/30/2024	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				1.29	20 Average Monthly			1/month	Grab
5/1/2024	5/31/2024	1 001	Yes	Final Efflu Ammonia-Nitrogen						mg/L				1.12	20 Average Monthly			1/month	Grab

1/1/2021	1/31/2021	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				5.8	25 Average Monthly			1/month	Grab
2/1/2021	2/28/2021	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				3.5	25 Average Monthly			1/month	Grab
3/1/2021	3/31/2021	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				2.8	25 Average Monthly			1/month	Grab
4/1/2021	4/30/2021	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				2.2	25 Average Monthly			1/month	Grab
5/1/2021	5/31/2021	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				18.1	25 Average Monthly			1/month	Grab
6/1/2021	6/30/2021	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				2.2	25 Average Monthly			1/month	Grab
7/1/2021	7/31/2021	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				5.9	25 Average Monthly			1/month	Grab
8/1/2021	8/31/2021	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				5.1	25 Average Monthly			1/month	Grab
9/1/2021	9/30/2021	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				3.5	25 Average Monthly			1/month	Grab
10/1/2021	10/31/2021	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				7.9	25 Average Monthly			1/month	Grab
11/1/2021	11/30/2021	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				3	25 Average Monthly			1/month	Grab
12/1/2021	12/31/2021	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				2.2	25 Average Monthly			1/month	Grab

1/1/2022	1/31/2022	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				54.1	25 Average Monthly			2/month	Grab
2/1/2022	2/28/2022	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				101.8	25 Average Monthly			2/month	Grab
3/1/2022	3/31/2022	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				332	25 Average Monthly			1/month	Grab
4/1/2022	4/30/2022	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				20.3	25 Average Monthly			2/month	Grab
5/1/2022	5/31/2022	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				19.9	25 Average Monthly			1/month	Grab
6/1/2022	6/30/2022	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				21	25 Average Monthly			1/month	Grab
7/1/2022	7/31/2022	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				41.4	25 Average Monthly			2/month	Grab
8/1/2022	8/31/2022	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				15.8	25 Average Monthly			1/month	Grab
9/1/2022	9/30/2022	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				6.3	25 Average Monthly			1/month	Grab
10/1/2022	10/31/2022	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				< 20.0	25 Average Monthly			1/month	Grab
11/1/2022	11/30/2022	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				7.5	25 Average Monthly			1/month	Grab
12/1/2022	12/31/2022	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)						mg/L				5.9	25 Average Monthly			1/month	Grab

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1/1/2023	1/31/2023	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				11.2	25 Average Monthly			1/month	Grab
2/1/2023	2/28/2023	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				12.3	25 Average Monthly			1/month	Grab
3/1/2023	3/31/2023	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				11.7	25 Average Monthly			1/month	Grab
4/1/2023	4/30/2023	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				7.2	25 Average Monthly			1/month	Grab
5/1/2023	5/31/2023	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				7.8	25 Average Monthly			1/month	Grab
6/1/2023	6/30/2023	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				7.2	25 Average Monthly			1/month	Grab
7/1/2023	7/31/2023	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				13.3	25 Average Monthly			1/month	Grab
8/1/2023	8/31/2023	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				3	25 Average Monthly			1/month	Grab
9/1/2023	9/30/2023	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				4.7	25 Average Monthly			1/month	Grab
10/1/2023	10/31/2023	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				5.1	25 Average Monthly			1/month	Grab
11/1/2023	11/30/2023	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				4.8	25 Average Monthly			1/month	Grab
12/1/2023	12/31/2023	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				6.9	25 Average Monthly			1/month	Grab
1/1/2024	1/31/2024	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				7.3	25 Average Monthly			1/month	Grab
2/1/2024	2/29/2024	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				2.8	25 Average Monthly			1/month	Grab
3/1/2024	3/31/2024	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				5.8	25 Average Monthly			1/month	Grab
4/1/2024	4/30/2024	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				13.6	25 Average Monthly			1/month	Grab
5/1/2024	5/31/2024	1 001	Yes	Final Efflu Carbonaceous Biochemical Oxygen Demand (CBOD5)				mg/L				6.2	25 Average Monthly			1/month	Grab
1/1/2021	1/31/2021	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	10.18	5 Daily Minimum						2/week	Grab
2/1/2021	2/28/2021	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	10.27	5 Daily Minimum						2/week	Grab
3/1/2021	3/31/2021	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	8.64	5 Daily Minimum						2/week	Grab
4/1/2021	4/30/2021	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	8.29	5 Daily Minimum						2/week	Grab
5/1/2021	5/31/2021	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	5.09	5 Daily Minimum						2/week	Grab
6/1/2021	6/30/2021	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	8.02	5 Daily Minimum						2/week	Grab
7/1/2021	7/31/2021	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	7.61	5 Daily Minimum						2/week	Grab
8/1/2021	8/31/2021	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	5.66	5 Daily Minimum						2/week	Grab
9/1/2021	9/30/2021	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	7.26	5 Daily Minimum						1/month	Grab
10/1/2021	10/31/2021	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	7.55	5 Daily Minimum						2/week	Grab
11/1/2021	11/30/2021	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	9.12	5 Daily Minimum						2/week	Grab
12/1/2021	12/31/2021	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	9.95	5 Daily Minimum						1/month	Grab
1/1/2022	1/31/2022	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	7.13	5 Daily Minimum						2/week	Grab
2/1/2022	2/28/2022	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	5.62	5 Daily Minimum						2/week	Grab
3/1/2022	3/31/2022	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	6.03	5 Daily Minimum						2/week	Grab
4/1/2022	4/30/2022	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	4.74	5 Daily Minimum						2/week	Grab
5/1/2022	5/31/2022	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	5.33	5 Daily Minimum						2/week	Grab
6/1/2022	6/30/2022	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	0.66	5 Daily Minimum						2/week	Grab
7/1/2022	7/31/2022	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	4.89	5 Daily Minimum						2/week	Grab
8/1/2022	8/31/2022	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	5.84	5 Daily Minimum						2/week	Grab
9/1/2022	9/30/2022	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	8.09	5 Daily Minimum						1/month	Grab
10/1/2022	10/31/2022	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	8.21	5 Daily Minimum						2/week	Grab
11/1/2022	11/30/2022	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	9.64	5 Daily Minimum						2/week	Grab
12/1/2022	12/31/2022	1 001	Yes	Final Efflu Dissolved Oxygen				mg/L	6.95	5 Daily Minimum						2/week	Grab

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1/1/2023	1/31/2023	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	5	5 Daily Minimum					2/week	Grab
2/1/2023	2/28/2023	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	8.54	5 Daily Minimum					2/week	Grab
3/1/2023	3/31/2023	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	8.7	5 Daily Minimum					1/month	Grab
4/1/2023	4/30/2023	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	5.35	5 Daily Minimum					2/week	Grab
5/1/2023	5/31/2023	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	8.7	5 Daily Minimum					2/week	Grab
6/1/2023	6/30/2023	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	7.92	5 Daily Minimum					2/week	Grab
7/1/2023	7/31/2023	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	8.25	5 Daily Minimum					2/week	Grab
8/1/2023	8/31/2023	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	7.73	5 Daily Minimum					2/week	Grab
9/1/2023	9/30/2023	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	8.38	5 Daily Minimum					1/month	Grab
10/1/2023	10/31/2023	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	8.39	5 Daily Minimum					1/month	Grab
11/1/2023	11/30/2023	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	9.45	5 Daily Minimum					2/week	Grab
12/1/2023	12/31/2023	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	8.53	5 Daily Minimum					1/month	Grab
1/1/2024	1/31/2024	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	9.96	5 Daily Minimum					1/month	Grab
2/1/2024	2/29/2024	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	10.39	5 Daily Minimum					1/month	Grab
3/1/2024	3/31/2024	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	9.11	5 Daily Minimum					1/month	Grab
4/1/2024	4/30/2024	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	5.72	5 Daily Minimum					1/month	Grab
5/1/2024	5/31/2024	1 001	Yes	Final Efflu	Dissolved Oxygen						mg/L	7.92	5 Daily Minimum					1/month	Grab
1/1/2021	1/31/2021	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 1	2000 Geometric	< 1	10000	Instantan	1/month	Grab
2/1/2021	2/28/2021	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 1	2000 Geometric	< 1	10000	Instantan	1/month	Grab
3/1/2021	3/31/2021	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 1	2000 Geometric	< 1	10000	Instantan	1/month	Grab
4/1/2021	4/30/2021	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 113	2000 Geometric	12800	10000	Instantan	1/month	Grab
5/1/2021	5/31/2021	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 1	200 Geometric	< 1	1000	Instantan	1/month	Grab
6/1/2021	6/30/2021	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		44	200 Geometric	44	1000	Instantan	1/month	Grab
7/1/2021	7/31/2021	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 1	200 Geometric	< 1	1000	Instantan	1/month	Grab
8/1/2021	8/31/2021	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 1	200 Geometric	< 1	1000	Instantan	1/month	Grab
9/1/2021	9/30/2021	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		18	200 Geometric	18	1000	Instantan	1/month	Grab
10/1/2021	10/31/2021	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 1	2000 Geometric	< 1	10000	Instantan	1/month	Grab
11/1/2021	11/30/2021	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 1	2000 Geometric	< 1	10000	Instantan	1/month	Grab
12/1/2021	12/31/2021	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 1	2000 Geometric	< 1	10000	Instantan	1/month	Grab
1/1/2022	1/31/2022	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 1	2000 Geometric	< 1	10000	Instantan	1/month	Grab
2/1/2022	2/28/2022	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		35	2000 Geometric	35	10000	Instantan	1/month	Grab
3/1/2022	3/31/2022	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		4700	2000 Geometric	4700	10000	Instantan	1/month	Grab
4/1/2022	4/30/2022	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 21	2000 Geometric	2200	10000	Instantan	3/month	Grab
5/1/2022	5/31/2022	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		3317	200 Geometric	15400	1000	Instantan	3/month	Grab
6/1/2022	6/30/2022	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		306	200 Geometric	450	1000	Instantan	2/month	Grab
7/1/2022	7/31/2022	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		45	200 Geometric	18200	1000	Instantan	3/month	Grab
8/1/2022	8/31/2022	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		15	200 Geometric	15	1000	Instantan	1/month	Grab
9/1/2022	9/30/2022	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 1	200 Geometric	< 1	1000	Instantan	1/month	Grab
10/1/2022	10/31/2022	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 1	2000 Geometric	< 1	10000	Instantan	1/month	Grab
11/1/2022	11/30/2022	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		< 1	2000 Geometric	< 1	10000	Instantan	1/month	Grab
12/1/2022	12/31/2022	1 001	Yes	Final Efflu	Fecal Coliform						No./100 ml		1	2000 Geometric	< 1	10000	Instantan	1/month	Grab

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1/1/2023	1/31/2023	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1	2000 Geometric	<1	10000	Instantani	1/month	Grab
2/1/2023	2/28/2023	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1	2000 Geometric	<1	10000	Instantani	1/month	Grab
3/1/2023	3/31/2023	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			4	2000 Geometric	4	10000	Instantani	1/month	Grab
4/1/2023	4/30/2023	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1	2000 Geometric	<1	10000	Instantani	1/month	Grab
5/1/2023	5/31/2023	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1	200 Geometric	<1	1000	Instantani	1/month	Grab
6/1/2023	6/30/2023	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1	200 Geometric	<1	1000	Instantani	1/month	Grab
7/1/2023	7/31/2023	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1	200 Geometric	<1	1000	Instantani	1/month	Grab
8/1/2023	8/31/2023	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1	200 Geometric	<1	1000	Instantani	1/month	Grab
9/1/2023	9/30/2023	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1	200 Geometric	<1	1000	Instantani	1/month	Grab
10/1/2023	10/31/2023	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			2	2000 Geometric	2	10000	Instantani	1/month	Grab
11/1/2023	11/30/2023	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1.0	2000 Geometric	<1.0	10000	Instantani	1/month	Grab
12/1/2023	12/31/2023	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1	2000 Geometric	<1	10000	Instantani	1/month	Grab
1/1/2024	1/31/2024	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1	2000 Geometric	<1	10000	Instantani	1/month	Grab
2/1/2024	2/29/2024	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1	2000 Geometric	<1	10000	Instantani	1/month	Grab
3/1/2024	3/31/2024	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1	2000 Geometric	<1	10000	Instantani	1/month	Grab
4/1/2024	4/30/2024	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			232	2000 Geometric	232	10000	Instantani	1/month	Grab
5/1/2024	5/31/2024	1.001	Yes	Final Efflu	Fecal Coliform						No./100 ml			<1	200 Geometric	<1	1000	Instantani	1/month	Grab
1/1/2021	1/31/2021	1.001	Yes	Final Efflu	Flow	MGD	0.000621	Monitor	Average Monthly	0.00243	Monitor	Daily Maximum							1/week	Measured
2/1/2021	2/28/2021	1.001	Yes	Final Efflu	Flow	MGD	0.000457	Monitor	Average Monthly	0.00053	Monitor	Daily Maximum							1/week	Measured
3/1/2021	3/31/2021	1.001	Yes	Final Efflu	Flow	MGD	0.000952	Monitor	Average Monthly	0.002124	Monitor	Daily Maximum							1/week	Measured
4/1/2021	4/30/2021	1.001	Yes	Final Efflu	Flow	MGD	0.001076	Monitor	Average Monthly	0.002124	Monitor	Daily Maximum							1/month	Measured
5/1/2021	5/31/2021	1.001	Yes	Final Efflu	Flow	MGD	0.001114	Monitor	Average Monthly	0.001359	Monitor	Daily Maximum							1/week	Measured
6/1/2021	6/30/2021	1.001	Yes	Final Efflu	Flow	MGD	0.000299	Monitor	Average Monthly	0.00049	Monitor	Daily Maximum							1/week	Measured
7/1/2021	7/31/2021	1.001	Yes	Final Efflu	Flow	MGD	0.000497	Monitor	Average Monthly	0.00057	Monitor	Daily Maximum							1/week	Measured
8/1/2021	8/31/2021	1.001	Yes	Final Efflu	Flow	MGD	0.000625	Monitor	Average Monthly	0.000824	Monitor	Daily Maximum							1/week	Metered
9/1/2021	9/30/2021	1.001	Yes	Final Efflu	Flow	MGD	0.001398	Monitor	Average Monthly	0.001892	Monitor	Daily Maximum							1/week	Measured
10/1/2021	10/31/2021	1.001	Yes	Final Efflu	Flow	MGD	0.000879	Monitor	Average Monthly	0.00445	Monitor	Daily Maximum							2/week	Measured
11/1/2021	11/30/2021	1.001	Yes	Final Efflu	Flow	MGD	0.000327	Monitor	Average Monthly	0.000463	Monitor	Daily Maximum							1/month	Measured
12/1/2021	12/31/2021	1.001	Yes	Final Efflu	Flow	MGD	0.000378	Monitor	Average Monthly	0.00049	Monitor	Daily Maximum							2/week	Metered
1/1/2022	1/31/2022	1.001	Yes	Final Efflu	Flow	MGD	0.000241	Monitor	Average Monthly	0.000355	Monitor	Daily Maximum							1/month	Measured
2/1/2022	2/28/2022	1.001	Yes	Final Efflu	Flow	MGD	0.000407	Monitor	Average Monthly	0.000665	Monitor	Daily Maximum							2/week	Measured
3/1/2022	3/31/2022	1.001	Yes	Final Efflu	Flow	MGD	0.000358	Monitor	Average Monthly	0.00053	Monitor	Daily Maximum							2/week	Metered
4/1/2022	4/30/2022	1.001	Yes	Final Efflu	Flow	MGD	0.000393	Monitor	Average Monthly	0.000564	Monitor	Daily Maximum							2/week	Measured
5/1/2022	5/31/2022	1.001	Yes	Final Efflu	Flow	MGD	0.000363	Monitor	Average Monthly	0.000602	Monitor	Daily Maximum							2/week	Measured
6/1/2022	6/30/2022	1.001	Yes	Final Efflu	Flow	MGD	0.000297	Monitor	Average Monthly	0.000422	Monitor	Daily Maximum							2/week	Measured
7/1/2022	7/31/2022	1.001	Yes	Final Efflu	Flow	MGD	0.000285	Monitor	Average Monthly	0.00049	Monitor	Daily Maximum							2/week	Measured
8/1/2022	8/31/2022	1.001	Yes	Final Efflu	Flow	MGD	0.00029	Monitor	Average Monthly	0.000357	Monitor	Daily Maximum							2/week	Measured
9/1/2022	9/30/2022	1.001	Yes	Final Efflu	Flow	MGD	0.000219	Monitor	Average Monthly	0.00038	Monitor	Daily Maximum							2/week	Measured
10/1/2022	10/31/2022	1.001	Yes	Final Efflu	Flow	MGD	0.000294	Monitor	Average Monthly	0.00035	Monitor	Daily Maximum							2/week	Measured
11/1/2022	11/30/2022	1.001	Yes	Final Efflu	Flow	MGD	0.00032	Monitor	Average Monthly	0.00087	Monitor	Daily Maximum							2/week	Measured
12/1/2022	12/31/2022	1.001	Yes	Final Efflu	Flow	MGD	0.000284	Monitor	Average Monthly	0.000565	Monitor	Daily Maximum							2/week	Measured

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1/1/2023	1/31/2023	1 001	Yes	Final Efflu Flow	MGD	0.00032	Monitor	Average Monthly	0.000452	Monitor	Daily Maximum								2/week	Measured
2/1/2023	2/28/2023	1 001	Yes	Final Efflu Flow	MGD	0.000243	Monitor	Average Monthly	0.000473	Monitor	Daily Maximum								2/week	Measured
3/1/2023	3/31/2023	1 001	Yes	Final Efflu Flow	MGD	0.000273	Monitor	Average Monthly	0.000457	Monitor	Daily Maximum								2/week	Measured
4/1/2023	4/30/2023	1 001	Yes	Final Efflu Flow	MGD	0.000431	Monitor	Average Monthly	0.000847	Monitor	Daily Maximum								2/week	Measured
5/1/2023	5/31/2023	1 001	Yes	Final Efflu Flow	MGD	0.000268	Monitor	Average Monthly	0.000837	Monitor	Daily Maximum								1/month	Measured
6/1/2023	6/30/2023	1 001	Yes	Final Efflu Flow	MGD	0.000219	Monitor	Average Monthly	0.0004	Monitor	Daily Maximum								1/month	Measured
7/1/2023	7/31/2023	1 001	Yes	Final Efflu Flow	MGD	0.000263	Monitor	Average Monthly	0.000523	Monitor	Daily Maximum								1/month	Measured
8/1/2023	8/31/2023	2 001	Yes	Final Efflu Flow	MGD	0.000244	Monitor	Average Monthly	0.000404	Monitor	Daily Maximum								2/week	Measured
9/1/2023	9/30/2023	1 001	Yes	Final Efflu Flow	MGD	0.0002	Monitor	Average Monthly	0.000406	Monitor	Daily Maximum								1/month	Measured
10/1/2023	10/31/2023	1 001	Yes	Final Efflu Flow	MGD	0.000349	Monitor	Average Monthly	0.00039	Monitor	Daily Maximum								1/month	Measured
11/1/2023	11/30/2023	1 001	Yes	Final Efflu Flow	MGD	0.000289	Monitor	Average Monthly	0.000855	Monitor	Daily Maximum								2/week	Measured
12/1/2023	12/31/2023	1 001	Yes	Final Efflu Flow	MGD	0.000348	Monitor	Average Monthly	0.000675	Monitor	Daily Maximum								1/month	Measured
1/1/2024	1/31/2024	1 001	Yes	Final Efflu Flow	MGD	0.000301	Monitor	Average Monthly	0.000624	Monitor	Daily Maximum								1/month	Measured
2/1/2024	2/29/2024	1 001	Yes	Final Efflu Flow	MGD	0.000546	Monitor	Average Monthly	0.00356	Monitor	Daily Maximum								1/month	Measured
3/1/2024	3/31/2024	1 001	Yes	Final Efflu Flow	MGD	0.000251	Monitor	Average Monthly	0.000686	Monitor	Daily Maximum								1/month	Measured
4/1/2024	4/30/2024	1 001	Yes	Final Efflu Flow	MGD	0.000301	Monitor	Average Monthly	0.000548	Monitor	Daily Maximum								1/month	Measured
5/1/2024	5/31/2024	1 001	Yes	Final Efflu Flow	MGD	0.000499	Monitor	Average Monthly	0.002455	Monitor	Daily Maximum								1/month	Measured
						0.000432	Avg		0.000939	Avg										
						0.001398	Max		0.00445	Max										
						0.000879	90th percentile													
1/1/2021	1/31/2021	1 001	Yes	Final Efflu pH							S.U.	7.9	6 Daily Minimum				8.5	9 Instantan	2/week	Grab
2/1/2021	2/28/2021	1 001	Yes	Final Efflu pH							S.U.	7.84	6 Daily Minimum				8.41	9 Instantan	2/week	Grab
3/1/2021	3/31/2021	1 001	Yes	Final Efflu pH							S.U.	7.6	6 Daily Minimum				8.2	9 Instantan	2/week	Grab
4/1/2021	4/30/2021	1 001	Yes	Final Efflu pH							S.U.	7.3	6 Daily Minimum				8.2	9 Instantan	2/week	Grab
5/1/2021	5/31/2021	1 001	Yes	Final Efflu pH							S.U.	7.3	6 Daily Minimum				8.3	9 Instantan	2/week	Grab
6/1/2021	6/30/2021	1 001	Yes	Final Efflu pH							S.U.	7.9	6 Daily Minimum				8.82	9 Instantan	2/week	Grab
7/1/2021	7/31/2021	1 001	Yes	Final Efflu pH							S.U.	6.5	6 Daily Minimum				8.6	9 Instantan	2/week	Grab
8/1/2021	8/31/2021	1 001	Yes	Final Efflu pH							S.U.	7.7	6 Daily Minimum				8.6	9 Instantan	2/week	Grab
9/1/2021	9/30/2021	1 001	Yes	Final Efflu pH							S.U.	7.5	6 Daily Minimum				8.3	9 Instantan	1/month	Grab
10/1/2021	10/31/2021	1 001	Yes	Final Efflu pH							S.U.	7.29	6 Daily Minimum				8.34	9 Instantan	2/week	Grab
11/1/2021	11/30/2021	1 001	Yes	Final Efflu pH							S.U.	7.57	6 Daily Minimum				8.84	9 Instantan	2/week	Grab
12/1/2021	12/31/2021	1 001	Yes	Final Efflu pH							S.U.	8.32	6 Daily Minimum				9.27	9 Instantan	2/week	Grab
1/1/2022	1/31/2022	1 001	Yes	Final Efflu pH							S.U.	7.75	6 Daily Minimum				8.91	9 Instantan	2/week	Grab
2/1/2022	2/28/2022	1 001	Yes	Final Efflu pH							S.U.	7.18	6 Daily Minimum				8.86	9 Instantan	2/week	Grab
3/1/2022	3/31/2022	1 001	Yes	Final Efflu pH							S.U.	7.53	6 Daily Minimum				8.48	9 Instantan	2/week	Grab
4/1/2022	4/30/2022	1 001	Yes	Final Efflu pH							S.U.	6.97	6 Daily Minimum				8.81	9 Instantan	2/week	Grab
5/1/2022	5/31/2022	1 001	Yes	Final Efflu pH							S.U.	7.02	6 Daily Minimum				8.17	9 Instantan	2/week	Grab
6/1/2022	6/30/2022	1 001	Yes	Final Efflu pH							S.U.	6.82	6 Daily Minimum				8.38	9 Instantan	2/week	Grab

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7/1/2022	7/31/2022	1 001	Yes	Final Efflu pH							S.U.	7.33	6 Daily Minimum			8.64	9 Instantan	2/week	Grab
8/1/2022	8/31/2022	1 001	Yes	Final Efflu pH							S.U.	7.57	6 Daily Minimum			8.08	9 Instantan	2/week	Grab
9/1/2022	9/30/2022	1 001	Yes	Final Efflu pH							S.U.	7.62	6 Daily Minimum			8.01	9 Instantan	2/week	Grab
10/1/2022	10/31/2022	1 001	Yes	Final Efflu pH							S.U.	7.98	6 Daily Minimum			8.21	9 Instantan	2/week	Grab
11/1/2022	11/30/2022	1 001	Yes	Final Efflu pH							S.U.	7.82	6 Daily Minimum			8.29	9 Instantan	2/week	Grab
12/1/2022	12/31/2022	1 001	Yes	Final Efflu pH							S.U.	7.67	6 Daily Minimum			8.45	9 Instantan	2/week	Grab
1/1/2023	1/31/2023	1 001	Yes	Final Efflu pH							S.U.	7.44	6 Daily Minimum			8.61	9 Instantan	2/week	Grab
2/1/2023	2/28/2023	1 001	Yes	Final Efflu pH							S.U.	8.12	6 Daily Minimum			8.59	9 Instantan	2/week	Grab
3/1/2023	3/31/2023	1 001	Yes	Final Efflu pH							S.U.	7.92	6 Daily Minimum			8.48	9 Instantan	2/week	Grab
4/1/2023	4/30/2023	1 001	Yes	Final Efflu pH							S.U.	7.44	6 Daily Minimum			8.63	9 Instantan	2/week	Grab
5/1/2023	5/31/2023	1 001	Yes	Final Efflu pH							S.U.	8.25	6 Daily Minimum			8.72	9 Instantan	2/week	Grab
6/1/2023	6/30/2023	1 001	Yes	Final Efflu pH							S.U.	8.21	6 Daily Minimum			8.72	9 Instantan	2/week	Grab
7/1/2023	7/31/2023	1 001	Yes	Final Efflu pH							S.U.	8.23	6 Daily Minimum			8.62	9 Instantan	2/week	Grab
8/1/2023	8/31/2023	1 001	Yes	Final Efflu pH							S.U.	7.96	6 Daily Minimum			8.58	9 Instantan	2/week	Grab
9/1/2023	9/30/2023	1 001	Yes	Final Efflu pH							S.U.	8.21	6 Daily Minimum			8.54	9 Instantan	1/month	Grab
10/1/2023	10/31/2023	1 001	Yes	Final Efflu pH							S.U.	8.26	6 Daily Minimum			8.66	9 Instantan	1/month	Grab
11/1/2023	11/30/2023	1 001	Yes	Final Efflu pH							S.U.	7.72	6 Daily Minimum			8.53	9 Instantan	2/week	Grab
12/1/2023	12/31/2023	1 001	Yes	Final Efflu pH							S.U.	7.88	6 Daily Minimum			8.47	9 Instantan	1/month	Grab
1/1/2024	1/31/2024	1 001	Yes	Final Efflu pH							S.U.	7.81	6 Daily Minimum			8.21	9 Instantan	1/month	Grab
2/1/2024	2/29/2024	1 001	Yes	Final Efflu pH							S.U.	7.74	6 Daily Minimum			8.17	9 Instantan	1/month	Grab
3/1/2024	3/31/2024	1 001	Yes	Final Efflu pH							S.U.	7.14	6 Daily Minimum			8.45	9 Instantan	1/month	Grab
4/1/2024	4/30/2024	1 001	Yes	Final Efflu pH							S.U.	7.59	6 Daily Minimum			8.27	9 Instantan	1/month	Grab
5/1/2024	5/31/2024	1 001	Yes	Final Efflu pH							S.U.	7.1	6 Daily Minimum			8.27	9 Instantan	1/month	Grab
1/1/2021	1/31/2021	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)							mg/L			< 0.02	0.5 Average M	0.03	1.64 Instantan	2/week	Grab
2/1/2021	2/28/2021	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)							mg/L			< 0.02	0.5 Average M	0.02	1.64 Instantan	2/week	Grab
3/1/2021	3/31/2021	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)							mg/L			< 0.02	0.5 Average M	0.03	1.64 Instantan	2/week	Grab
4/1/2021	4/30/2021	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)							mg/L			< 0.02	0.5 Average M	0.04	1.64 Instantan	2/week	Grab
5/1/2021	5/31/2021	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)							mg/L			< 0.02	0.5 Average M	0.04	1.64 Instantan	2/week	Grab
6/1/2021	6/30/2021	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)							mg/L			< 0.03	0.5 Average M	0.06	1.64 Instantan	2/week	Grab
7/1/2021	7/31/2021	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)							mg/L			< 0.05	0.5 Average M	0.07	1.64 Instantan	2/week	Grab
8/1/2021	8/31/2021	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)							mg/L			0.05	0.5 Average M	0.11	1.64 Instantan	2/week	Grab
9/1/2021	9/30/2021	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)							mg/L			0.05	0.5 Average M	0.1	1.64 Instantan	1/month	Grab
10/1/2021	10/31/2021	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)							mg/L			< 0.02	0.5 Average M	0.05	1.64 Instantan	2/week	Grab
11/1/2021	11/30/2021	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)							mg/L			< 0.01	0.5 Average M	0.04	1.64 Instantan	2/week	Grab
12/1/2021	12/31/2021	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)							mg/L			0.2	0.5 Average M	0.06	1.64 Instantan	2/month	Grab

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1/1/2022	1/31/2022	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				0.26	0.5 Average M	0.26	1.64	Instantan	1/month	Grab
2/1/2022	2/28/2022	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.02	0.5 Average M	0.06	1.64	Instantan	2/week	Grab
3/1/2022	3/31/2022	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.02	0.5 Average M	0.04	1.64	Instantan	2/week	Grab
4/1/2022	4/30/2022	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.01	0.5 Average M	0.02	1.64	Instantan	2/week	Grab
5/1/2022	5/31/2022	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.02	0.5 Average M	0.03	1.64	Instantan	2/day	Grab
6/1/2022	6/30/2022	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.03	0.5 Average M	0.06	1.64	Instantan	2/week	Grab
7/1/2022	7/31/2022	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.02	0.5 Average M	0.07	1.64	Instantan	2/week	Grab
8/1/2022	8/31/2022	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				0.04	0.5 Average M	0.09	1.64	Instantan	2/week	Grab
9/1/2022	9/30/2022	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.04	0.5 Average M	0.07	1.64	Instantan	2/week	Grab
10/1/2022	10/31/2022	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				0.04	0.5 Average M	0.07	1.64	Instantan	2/week	Grab
11/1/2022	11/30/2022	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				0.1	0.5 Average M	0.11	1.64	Instantan	2/week	Grab
12/1/2022	12/31/2022	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.1	0.5 Average M	0.1	1.64	Instantan	2/week	Grab
1/1/2023	1/31/2023	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.01	0.5 Average M	0.02	1.64	Instantan	2/week	Grab
2/1/2023	2/28/2023	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.01	0.5 Average M < 0.01		1.64	Instantan	2/week	Grab
3/1/2023	3/31/2023	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.01	0.5 Average M < 0.01		1.64	Instantan	2/week	Grab
4/1/2023	4/30/2023	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.1	0.5 Average M	0.2	1.64	Instantan	2/week	Grab
5/1/2023	5/31/2023	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.04	0.5 Average M	0.09	1.64	Instantan	2/week	Grab
6/1/2023	6/30/2023	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.1	0.5 Average M	0.14	1.64	Instantan	2/week	Grab
7/1/2023	7/31/2023	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				0.03	0.5 Average M	0.07	1.64	Instantan	2/week	Grab
8/1/2023	8/31/2023	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				0.1	0.5 Average M	0.12	1.64	Instantan	2/week	Grab
9/1/2023	9/30/2023	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				0.1	0.5 Average M	0.29	1.64	Instantan	1/month	Grab
10/1/2023	10/31/2023	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				0.1	0.5 Average M	0.18	1.64	Instantan	1/month	Grab
11/1/2023	11/30/2023	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				0.01	0.5 Average M	0.13	1.64	Instantan	2/week	Grab
12/1/2023	12/31/2023	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.03	0.5 Average M	0.08	1.64	Instantan	1/month	Grab
1/1/2024	1/31/2024	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.10	0.5 Average M	0.12	1.64	Instantan	1/month	Grab
2/1/2024	2/29/2024	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.04	0.5 Average M	0.14	1.64	Instantan	1/month	Grab
3/1/2024	3/31/2024	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				0.1	0.5 Average M	0.25	1.64	Instantan	1/month	Grab
4/1/2024	4/30/2024	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.1	0.5 Average M	0.26	1.64	Instantan	1/month	Grab
5/1/2024	5/31/2024	1 001	Yes	Final Efflu Total Residual Chlorine (TRC)						mg/L				< 0.4	0.5 Average M < 1.00		1.64	Instantan	1/month	Grab
1/1/2021	1/31/2021	1 001	Yes	Final Efflu Total Suspended Solids						mg/L				6.8	30 Average Monthly				1/month	Grab
2/1/2021	2/28/2021	1 001	Yes	Final Efflu Total Suspended Solids						mg/L				4	30 Average Monthly				1/month	Grab
3/1/2021	3/31/2021	1 001	Yes	Final Efflu Total Suspended Solids						mg/L				6	30 Average Monthly				1/month	Grab
4/1/2021	4/30/2021	1 001	Yes	Final Efflu Total Suspended Solids						mg/L				6	30 Average Monthly				1/month	Grab
5/1/2021	5/31/2021	1 001	Yes	Final Efflu Total Suspended Solids						mg/L				13	30 Average Monthly				1/month	Grab
6/1/2021	6/30/2021	1 001	Yes	Final Efflu Total Suspended Solids						mg/L				23.2	30 Average Monthly				1/month	Grab

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7/1/2021	7/31/2021	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				13.5	30	Average Monthly			1/month	Grab
8/1/2021	8/31/2021	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				9.6	30	Average Monthly			1/month	Grab
9/1/2021	9/30/2021	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				9.2	30	Average Monthly			1/month	Grab
10/1/2021	10/31/2021	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				13	30	Average Monthly			1/month	Grab
11/1/2021	11/30/2021	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				7.2	30	Average Monthly			1/month	Grab
12/1/2021	12/31/2021	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				9.5	30	Average Monthly			1/month	Grab
1/1/2022	1/31/2022	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				28.8	30	Average Monthly			2/month	Grab
2/1/2022	2/28/2022	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				52.7	30	Average Monthly			3/month	Grab
3/1/2022	3/31/2022	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				72	30	Average Monthly			1/month	Grab
4/1/2022	4/30/2022	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				17.5	30	Average Monthly			1/month	Grab
5/1/2022	5/31/2022	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				13.5	30	Average Monthly			1/month	Grab
6/1/2022	6/30/2022	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				26	30	Average Monthly			1/month	Grab
7/1/2022	7/31/2022	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				50.5	30	Average Monthly			2/month	Grab
8/1/2022	8/31/2022	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				28	30	Average Monthly			1/month	Grab
9/1/2022	9/30/2022	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				9.6	30	Average Monthly			1/month	Grab
10/1/2022	10/31/2022	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				8	30	Average Monthly			1/month	Grab
11/1/2022	11/30/2022	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				14.5	30	Average Monthly			1/month	Grab
12/1/2022	12/31/2022	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				8.5	30	Average Monthly			1/month	Grab
1/1/2023	1/31/2023	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				20	30	Average Monthly			1/month	Grab
2/1/2023	2/28/2023	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				31.4	30	Average Monthly			2/month	Grab
3/1/2023	3/31/2023	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				18.8	30	Average Monthly			1/month	Grab
4/1/2023	4/30/2023	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				14	30	Average Monthly			1/month	Grab
5/1/2023	5/31/2023	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				14.4	30	Average Monthly			1/month	Grab
6/1/2023	6/30/2023	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				8.8	30	Average Monthly			1/month	Grab
7/1/2023	7/31/2023	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				6.5	30	Average Monthly			1/month	Grab
8/1/2023	8/31/2023	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				12.8	30	Average Monthly			1/month	Grab
9/1/2023	9/30/2023	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				4.8	30	Average Monthly			1/month	Grab
10/1/2023	10/31/2023	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				14	30	Average Monthly			1/month	Grab
11/1/2023	11/30/2023	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				10	30	Average Monthly			1/month	Grab
12/1/2023	12/31/2023	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				10.4	30	Average Monthly			1/month	Grab
1/1/2024	1/31/2024	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				< 4.0	30	Average Monthly			1/month	Grab
2/1/2024	2/29/2024	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				< 4.0	30	Average Monthly			1/month	Grab
3/1/2024	3/31/2024	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				4	30	Average Monthly			1/month	Grab
4/1/2024	4/30/2024	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				7	30	Average Monthly			1/month	Grab
5/1/2024	5/31/2024	1 001	Yes	Final Efflu	Total Suspended Solids						mg/L				12	30	Average Monthly			1/month	Grab