

### **Connecticut Department of Energy & Environmental Protection**

**Bureau of Materials Management & Compliance Assurance** Water Permitting & Enforcement Division

### **MS4 Annual Report Transmittal Form**

For the General Permit to Discharge Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)

Print or type unless otherwise noted. Please submit this completed transmittal form, fee, and the MS4 Annual Report as indicated at the end of this form.

	CPPU USE ONLY
App #:	
Doc #:	
Check #:_	
Pro	gram: Stormwater Permits

### Part I: Annual Report General Information

1.	Reporting Period (Calendar Year): 2022  Provide the registration number for the existing grounds.	eneral permit registration: GSM000117	
3.	Registrant Type (check one):	Fees	
	state institution/agency	\$375.00 7/13	
		\$375.00 743	
	☐ municipality	\$187.50 7/13	
4.	Municipality name or Municipality name where institution is located: Groton		
che		e. The fee shall be non-refundable and shall be paid by d Environmental Protection (DEEP) or by such other	

### Part II: Registrant Information

Registrant (Name of Municipality or State or Federal Institution/Agency): NAVAL SUBMARINE BASE **NEW LONDON** 

Mailing Address: Route 12 & Crystal Lake Road

City/Town: Groton

State: CT

Zip Code: 06345

Business Phone: 860-694-5191

ext.:

Contact Person: Christopher Koproski

Phone: 860-694-5191

ext.

\*E-mail: christopher.r.koproski.civ@us.navy.mil

\*By providing this e-mail address you are agreeing to receive official correspondence from DEEP, at this electronic address, concerning the subject registration. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify DEEP if your e-mail address changes.

### Part II: Registrant Information (continued)

2.	Billing contact, if different than the registrant.		
	Mailing Address:		Termity by the large
	City/Town:	State:	Zip Code:
	Business Phone:	ext.:	
	Contact Person:	Phone:	ext.
	E-mail:		frinanci I
3.	Primary contact for departmental correspondence and	d inquiries, if diff	ferent than the registrant.
	Name:		AND REAL PROPERTY OF
	Mailing Address:		Heart I III I I I I I
	City/Town:	State:	Zip Code:
	Business Phone:	ext.:	
	Contact Person:	Phone:	ext.
	*E-mail:		T) Road Wilmin 1293
	*By providing this e-mail address you are agreeing to receive of address, concerning the subject registration. Please remember receive e-mails from "ct.gov" addresses. Also, please notify DE	to check your secu	rity settings to be sure you can
4.	Engineer(s) or other consultant(s) employed or retain	ed to assist in p	reparing the annual report.
	☐ Check here if additional sheets are necessary, and la	abel and attach th	em to this sheet.
	Name:		
	Mailing Address:		
	City/Town:	State:	Zip Code:
	Business Phone:	ext.:	
	Contact Person:	Phone:	ext.
	E-mail:		
	Service Provided:		
5.	Check here if there are adjacent towns or other entities Management Plan is coordinated for a portion of the stowns or entities:		
		e secriment (	

### Part III: Registrant Certification

The registrant and the individual(s) responsible for actually preparing the annual report must sign this part. [If the registrant is the preparer, please mark N/A in the spaces provided for the preparer.]

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief.

I certify that this annual report transmittal is on complete and accurate forms as prescribed by the commissioner without alteration of the text.

I certify that the following public notice requirements have been met.

Annual Report Availability: At least forty-five (45) days prior to submission of each Annual Report to DEEP, pursuant to Section 4(d)(3) of the MS4 General Permit, each permittee shall make available for public review and comment a draft copy of the complete Annual Report. Comments on the Annual Report may be made to the permittee and are *not* submitted to DEEP. Reasonable efforts to inform the public of this document shall be undertaken by the permittee. Such draft copies shall be made available electronically on the permittee's website for public inspection and copying, consistent with the federal and state Freedom of Information Acts, and shall be made available, at a minimum, at one of the following locations: the permittee's main office or other designated municipal or institution office, a local library or other central publicly available location. Following submission of the Annual Report to DEEP, a copy of the final report shall be made available for public inspection during regular business hours.

I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.

I also certify that the signature of the registrant, or a duly authorized representative, being submitted herewith complies with section 22a-430-3(b)(2)(B) of the Regulations of Connecticut State Agencies.

Signature of Chief Elected official or Principal Executive Officer

3 23 2 2 3

Michael Brown

Printed Name of Chief Elected official or Principal Executive Officer

Installation Environmental Program Director

Title (if applicable)

Signature of Preparer (if different than above)

Christopher Koproski

Printed Name of Preparer

23 mrs 23

Date

Stormwater Program Manager

Title (if applicable)

Note: Please submit 1) this completed Transmittal Form and the Fee to:

CENTRAL PERMIT PROCESSING UNIT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127

2) a copy of this completed Transmittal Form and the Annual Report electronically to the following email address: DEEP, StormwaterStaff@ct.gov.

Refer to <u>www.ct.gov/deep/municipalstormwater</u> for information on Annual Report Templates or other additional information concerning the MS4 General Permit.

In the event that electronic submission is not available or possible, please contact the Stormwater Section at 860-424-3025.



### DEPARTMENT OF THE NAVY

NAVAL SUBMARINE BASE NEW LONDON GROTON, CONNECTICUT 06349-5000

> 5090 Ser N45/041 March 23, 2023

Central Permit Processing Unit State of Connecticut Department of Energy & Environmental Protection 79 Elm Street Hartford CT 06106-5127

SUBJECT: MS4 ANNUAL REPORT TRANSMITTAL FORM

The Naval Submarine Base New London (SUBASENLON) is submitting the enclosed Annual Report Transmittal Form for Permit No. GSM000117 in accordance with the General Permit to Discharge Stormwater from Small Municipal Separate Storm Sewer Systems (MS4).

The required payment of \$375.00 for a federal institution/agency MS4 Annual Report review will be sent separately, upon receipt of invoice.

If you have any questions or require additional information, please contact Chris Koproski, SUBASENLON Stormwater Program Manager, at (860) 694-5191.

Sincerely,

MICHAEL J. BROWN

Environmental Division Director

By direction of the Commanding Officer



### MS4 General Permit

## SUBASE New London 2022 Annual Report

New MS4 Permittee

Permit Number GSM GSM 000117 January 1, 2022 – December 31, 2022

Primary MS4 Contact: Chris Koproski, Media Manager, 860-694-5191, Christopher.r.koproski.civ@us.navy.mil

from January 1, 2022 to December 31, 2022. This report documents SUBASE New London's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP)

## Part I: Summary of Minimum Control Measure Activities

## 1. Public Education and Outreach (Section 6 (a)(1) / page 19)

1-1 Implement public Ceducation and outreach	BMP
Ongoing	Status
Webinar archive review (for MS4 workshops), several MS4-related "communication documents" were authored by EV including Outside Vehicle Maintenance, and a new MS4 module was hosted on the Navy Environmental Compliance, Assessment, Training and Tracking System (ECATTS). Additionally, Command Duty Officer and newly-arrived base indoc sessions are regularly held throughout the year.	Activities in current reporting period
Notices posted within required timeline(s), attendance at events, general awareness in meetings.	Measurable goal
Environmental Division (EV) / Chris Koproski	Department / Person Responsible
Ongoing	Due
Note: in-person meetings were greatly affected by COVID-19 restrictions, majority of training events were web based.	Date completed or projected completion date
Many materials, especially the MS4 ECATTS module, were aided by material available through NEMO / UConn CLEAR	Additional details

1-2 Address education / outreach for pollutants of concern	BMP Status
Maintained the listing of Stormwater pollutants of concern in the publically-available SWMP.  Current base training modules address both Basic and Comprehensive Stormwater issues, the new MS4 module referenced above, and additional training modules for Spill Prevention.	Activities in current reporting period
N/A	Measurable
Environmental Division (EV) / Chris Koproski Environmental Division (EV) / Wes Dowden	Department / Person Responsible
Ongoing	Due
Pollutants of concern Screening (and first Annual Sampling event) both completed.  Training modules have been modified and updated as needed.	Date completed or projected completion date
A potential parking lot revamp will aid the sampled outfall 35-1. Discussion between the design team and site user(s) ongoing. The current sampling location falls under both the MS4 and Industrial permits and is subject to additional area inflows during very high rain events.  Previously abandoned storm drain locations may be part of the revamp and	Additional details

# 1.2 Describe any Public Education and Outreach activities planned for the next year, if applicable.

2022 Earth Day activities and the annual Community "Navy Day" representation impacted by COVID restrictions but we will continue to use ECATTS for outreach with links to UConn's Center for Land Use education and Research (CLEAR) recorded MS4 topic webinars. Earth Day activities expected to restart in 2023. EV is planning to host a Yale Graduate-student water resource group for a field trip that may be combined with Earth Day activities, depending on schedules. Finally, investigating securing informational responsibilities. signs for base stormwater features, along with a "pamphlet" that will be tied to MS4 training material for incoming Division-level leaders throughout the base on MS4

## 1.3 Details of activities implemented to educate the community on stormwater

Program Element/Activity	Audience (and number of people reached)	Topic(s) covered	Pollutant of Concern addressed (if applicable)	Responsible dept. or partner org.
Environmental Compliance Assessment Training and Tracking System Base training website	Base wide / ~1,000	Comprehensive Stormwater topics	Bacteria, Metals, Phosphorous	EV
PWD Division Director meetings (pamphlet to follow in Spring)	4 (senior PWD leaders)	Interdepartmental responsibility plan	N/A	PWD Divisions
Facebook post on MS4 status	Base wide / ~12,000	MS4 report status	N/A	EV/Public Affairs Office
Supplemental Stormwater Training	PWD Facilities / 25	General MS4 topics info sheet for workers without computer access	Debris / Catch Basin info	EV/Facilities Management Division (FMD)

Program Element/Activity	Audience (and number of people reached)	Topic(s) covered	Pollutant of Concern addressed (if applicable)	Responsible dept. or partner org.
Trip report reviews, (including Web-based class)	EV-specific	EV Program compliance	N/A	EV
Building Manager Training	PWD EV / Facilities/ 60	Leaf accumulation areas for pick-up	Debris / Bacteria	FMD
Site Compliance briefs/Quarterly EV review boards	Various / 12	Good Housekeeping, other EV issues	N/A	EV and all tenant commands

## 2. Public Involvement/Participation (Section 6(a)(2) / page 21)

### 2.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
2-1 Final Stormwater Management Plan publicly available	Available	Pen & Ink updates	N/A	EV / Chris Koproski	Ongoing	1 Apr, 2023	N/A
2-2 Comply with public notice requirements for Annual Reports		Post notice(s) including 31 Jan notice of pending report, 19 Feb DRAFT report release, and Final NLT 1 April	Posted by due date	EV / Public Affairs Office (PAO)	Feb 19, 2023	Feb 19, 2023	26 Jan posting confirmed by PAO on CNIC and base Facebook page.

# 2.2 Describe any Public Involvement/Participation activities planned for the next year, if applicable.

Earth Day activities, Yale student visit, enhanced EV training events including Command Duty Officer orientation, continuing EV participation on Zone Inspections throughout the base. Expanded use of base Environmental Training website (ECATTS) with the indoctrination training began in 2020, ongoing updates.

### 2.3 Public Involvement/Participation reporting metrics

Availability of Annual Report announced to public	Availability of the Stormwater Management Plan to public	Metrics
Yes	Yes	Implemented
FINAL: 1 Apr 2022	Ongoing	Date
Hardcopy on Stormwater Media Manager's desk in bldg, 439 rm 104; also posted to SUBASE New London CNIC site.	Online Notice posted 31 Jan 2022 via Facebook	Posted

# 3. Illicit Discharge Detection and Elimination (IDDE) (Section 6(a)(3) and Appendix B / page 22)

3-4 Establish legal Complete Incorporated prohibition in base Signed base Environmental / Jul 1, authority to prohibit illicit Environmental Instruction Instruction, Chris Koproski 2019 discharges	3-3 Implement citizen Complete 54 reported Spill events reported 24/7 on call Environmental / Jul 1, reporting program on SUBASE in 2020 contact Chris Koproski 2017 available	3-2 Develop list and maps	
		_	- 3
Aug 8, 2017	Jul 1, 2017	1 Aug 2020	7 MBI 7017
Authority to implement and administer the IDDE Program formalized by SUBASENLON Instruction (SUBASENLONINST 5090.78)	Utilized established 24 hr Environmental Duty Officer hotline at 860- 215-1384. Also provided Stormwater Program Manager phone contact.	No adds or modifications have been necessary.	N/A

cleaning residue capture and disposal	3-7 Address Catch Basin	3-6 Address IDDE in areas with pollutants of concern	3-5 Develop record keeping system for IDDE tracking	BMP
	Ongoing	Ongoing	Complete	Status
process for catch basin cleaning residue disposal. Issues with disposal of wastewater hampering current efforts.	Working towards an efficient	Investigated potential illicit discharges at Bldg 106 and Bldg 439	Used tracking tool to record results of Drainage Area dry-weather inspections and sampling results for High-priority and Problem rated areas.	Activities in current reporting period
attainment for catch basin cleanings	Schedule	N/A	N/A	Measurable goal
Utilities EV / Chris Koproski	Public Works	Environmental / Chris Koproski	Environmental / Chris Koproski	Department / Person Responsible
	FY 2022	Not specified	Jul 1, 2017	Due
,	Ongoing	Various	1 May 2017	Date completed or projected completion date
being investigated. Current focus on cleaning immediate- problem sites.	Disposal options are still	Sampling at Bldgs 106 & 439 to verify repairs/remediation efforts have eliminated IDDE concerns	IDDE Program Progress Spreadsheet Tracking tool has been updated and modified slightly	Additional details

## 3.2 Describe any IDDE activities planned for the next year, if applicable.

Complete the 5-year test (from the resolution dates) for the two areas identified at the beginning of the permit (Bldg 439 and Bldg 499). Also, an IDDE review team is part of a contracted Site Compliance Evaluation expected in June 2023. Pier extension / replacement activities will also be closely monitored, as will the DLA fuel farm upgrades.

# 3.3 List of citizen reports of suspected illicit discharges received during this reporting period.

Various	Date of Report
Various	Location / suspected source
Please see Table below (Section 3.4). NOTE: All reports are considered citizen-reported events, exceptions will be noted.	Response taken

following table. 3.4 Provide a record of illicit discharges occurring during the reporting period and SSOs occurring July 2012 through end of reporting period using the

(Lat long/ street crossing /address and receiving water)	Illicit Discharges	Intersection of Shark Blvd and Tang Avenue	Marina "B" dock	B 462	Pier 31	Pier 6
occurrence	Illicit Discharges occurring during the reporting period	4/11/2022	8/4/2022	10/25/2022	10/26/2022	11/1/2022
Surface water	e reporting period	MS4 (Pavement)	Thames River	MS4 (Pavement) and stormdrains	Thames River	MS4 (Pavement)
volume discharged		0.2 gallons paint	Unknown, oil product	75 gallons fuel mix	0.125 gallons creosote	0.1 gallon oil
cause / Responsible party		Reported enamel paint spill at the corner of Shark Boulevard and Tang Ave. Spill was dried and next to storm drain, with storm drain blocked.	SBFD responded to a spill at the B dock of the marina. A Civilian Boat sank and released some on-board oil products.	Overturned portable fueling trailer, (2) 55 gallon tanks (diesel and gasoline on same platform) released approximately 55 gallons of diesel and 20 gallons of gasoline to pavement. Speedi dri and booms were applied to the nearby storm drain and near the outfall.	Residual from pile removal operatrions.	Light sheen was seen in the area of the trailered air compressor. Product was spread from recent rain event. The exact location of the leak could not be determined.
completed (include dates)		Cleaned with speedi dri and bagged. HAZWASTE picked up the bag for disposal.	Boat had been secured by Port ops personnel upon discovery to prevent a complete sinking; "Boat US" came and refloated the boat for removal.	Speedi dri and booms applied to storm drain and pavement/roadway. Port Ops placed booms at the outfall and on Thames River. No sheen visible. Material collected and disposed of through Haz Waste.	Booms already in place, additional booms deployed by both contractor and port ops along with absorbent pads to collect sheen.	Area was cleaned with speedi dri and picked up; placed in the Fire Department satellite storage site.
data (if applicable)		N/A	N/A	N/A	N/A	N/A

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Location (Lat long/ street crossing /address and receiving water)	Date and duration of occurrence	Discharge to MS4 or surface water	Estimated volume discharged	Known or suspected cause / Responsible party	Corrective measures planned and completed (include dates)	Sampling data (if applicable)
Pier 8 and 10 / Thames River	8/21/2012	Surface water	1800 gallons	Leak from sewer main along quay wall / Public Works	Booms in place. PW UTILITIES repaired pipe.	N/A
Amberjack Rd near B175	9/28/2012	Pavement	5 gallons	Base employees noted strong sewage odor and saw water seep past sanitary manhole cover in street and onto roadway.	Pump at lift station was not on, crews reactivated the pump, requested increase of inspection frequency.  PWD performs weekly inspection on all sewer pumping stations.	N/A
Quay wall between Piers 12 and 15	1/10/2013	Surface water	100 gallons	Clamp around exterior sewer pipe broke free causing sections of pipe to disconnect. Sewage released directly into the river at the point where the pipe disconnected / PWD	PWD repaired the pipe and checked the entire length of sanitary pipe that runs along quay wall above the water line to make sure it is secure.  Proposed project to replace sewer piping on Piers 12 and 15.	N/A
Pier 12 North Near Quay Wall	6/30/2014	Surface water	75 gallons	Broken sewage lateral under Pier 12 north was discovered leaking during sewage pump down operation. Between 50-100 gallons of sewage estimated released to Thames river / PWD	PWD repaired the pipe. Propose project to replace sewer piping on Pier 12.	N/A
Pier 10 North	1/20/2015	Surface water	5 gallons	Boat crew observed sewage dripping from under pier just after boat pumped their sewage tanks / PWD	PWD repaired pipe. PWD performs monthly inspection on all piers.	N/A
B33 Southwest corner	5/5/2015	Pavement	2 gallons	Electrical switch malfunction caused sewage overflow at lift station / PWD	PWD repaired B33 sewage lift station.	N/A
Roadway in front of B175 and opposite Pier 33	12/1/2015	Surface water	10 gallons	Sewage observed overflowing into street from manhole / PWD	PWD repaired B175 sewage lift station.	N/A

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Near Bldg 157 lift 1/ station, near Pier 31	Pier 12 12	Lift Station #75 9/ near gate 4	Amberjack Rd 7/ opposite Pier 31	Pier 31 North 6/	Pier 10 South, 6/ USS Providence	(Lat long/ street or crossing /address and receiving water)
1/7/2019	12/20/2018	9/28/2018	7/10/2018	6/13/2018	6/8/2018	occurrence
Pavement	Surface water	Pavement	Pavement	Pier / Water	Surface water	surface water
100 gallons	Unk. Previous day operation had 1000 gallons pumped w/100 of that as sewage.	50 gallons	<10 gallons	<10 gallons	<100 gallons	volume
Suspected grease from nearby lift station caused backup to occur	Probable under-pier pipe break suspected when oncoming crew said they smelled sewer odor / PWD	Leak at elbow, possible leak further up line / PWD	Temp blockage / PWD	Riser valve not sealing / PWD	Broken pipe under pier / PWD	cause / Responsible party
Contractor expected on site to remove grease and jet the line. Utilities jetted line and cleared blockage on 1/7/19. Contractor removed grease from lift stations at Pier 31 and B157 on 1/8/19.	Secured side pump, used opposite pier side pump while repairs made. Pipefitters recommended direct to sanitary pump, break confirmed, repairs made. Repaired sewer line 1/25/19.	Shut down lift station and repaired the elbow, will continue to use alternate line until they can excavate further up for inspection and permanent repair. Complete 11/27/18.	Liquid seen running out past sewer manhole and into pavement, collected in low point/depression in road, PWD personnel looked under manhole and nearby lift station, no elevated levels seen, suspect temporary blockage cleared on its own. Complete 7/10/18.	Work order placed, aft and bow valves blew out residual material. Complete 7/24/18.	Sailors heard rush of air as they began pump operation, immediately shut down, pipe repaired. Complete 6/21/18.	completed (include dates)
N/A	N/A	N/A	N/A	N/A	N/A	data (if applicable)

	hose ordered. UTILITIES changed out hose on 10/12/19.  NSSF rep verified hose issue and PWD will supply new ones on 11/14.  UTILITIES changed out hose on	hose orde hose on 1 NSSF rep 1 will supply UTILITIES 11/14/19
Hose leak		į
Valve on riser leaked	riser leaked System locked and tagged out.  UTILITIES replaced CHT valve on	
Suspect a crushed pipe		
USS Minnesota transfer, may have over- pressurized the line to cause spill	esota transfer, over- small blockage, jet-vac used to clear it ed the line to followed by a 2 <sup>rd</sup> dye test with good results. UTILITIES returned Pier 6 sewer line to normal operation on 3/1/19.	sota transfer, over- d the line to
Suspect USS Minnesota submarine sanitary transfer, as they had just completed an operation when a guard noticed puddles in the road	JSS Minnesota Notified the ship on 6 North to hold se sanitary off any transfers until inspection took as they had just d an operation uard noticed line to normal operation on 3/1/19.	
Large 8-10" pipe broke in lower mech room, filled room with ~4 ft of water, and burst out covering pavement and entering storm drains, but sanitary drain flow caused a sanitary manhole downstream to overflow about 50 gallons to pavement	O" pipe broke in Notified Groton of "slug" of potable water coming their way, PWD to drop h ~4 ft of water coming their way, PWD to drop h ~4 ft of water coming their way, PWD to drop to drop completed pipe repairs on 6/14/19.  Notified Groton of "slug" of potable water coming their way, PWD to drop their way, PWD to dr	oke in filled water, ing sring anitary
Known or suspected cause / Responsible party	Responsible completed (include dates)	

Pier 15 Outside Bldg 107 Pier 17S USS San Juan - Pier 12 Pier 17 South, USS Vermont	6/18/2020 7/14/2020 7/27/2020 1/22/2021 2/28/2021
	6/18/2020
ier 15	6/18/2020
Outside Bldg 107	7/14/2020
Pier 17S	7/27/2020
USS San Juan - Pier 12	1/22/2021
Pier 17 South, USS Vermont	2/28/2021

Pier 105 - Under Pier	Pier 31	Pier 6 south side	Pier 12	South	Location (Lat long/ street crossing /address and receiving water)
10/1/2021	9/8/2021	8/30/2021	7/16/2021	6/22/2021	Date and duration of occurrence
Surface water	Pier/possibly surface water	Pier/Possibly surface water	Surface water	PIER	Discharge to MS4 or surface water
Unknown	1 gallon	2 gallons	0.1 gallon	1 gallon	Estimated volume discharged
USS South Dakota observed leak/odor. Release of sewage directly to Thames River, quantity unknown. High tide prevented immediate investigation & repair.	USS Newport News reported small amount of water from riser on south side of pier. Boat crew noticed valve for riser was not fully closed and the end cap was missing. Boat crew fully closed valve, added pipe cap and resumed pumping.	USS Indiana reported leak from hose connection on pier used to transfer sewage from their tanks to base sewer system. Cause was improper splicing of hose.	UEM reported that CHT hoses left on pier were not drained.	A pin hole leak was discovered in the 6" hose while off-loading sewage from the Subs CHT (Collection, Holding, and Transfer) tank. Operation was stopped immediately and a new hose brought in to complete the operation.	Known or suspected cause / Responsible party
Sewage CHT transfer discontinued & later routed directly to tanker trailer.	N/A	Fire Dept. responded. New hose ordered.	None, nature of drip was to result in release to river under pier and not to a pier surface area (at which a containment method could be used).	Stopped off-loading operation immediately	Corrective measures planned and completed (include dates)
N/A	N/A	N/A	N/A	N/A	Sampling data (If applicable)

410 Tang Avenue	Pier 17	Pier 12 North	North of Pier 32 on Lower Corridor Road	(Lat long/ street crossing /address and receiving water)
5/24/2022	2/3/2022	12/6/2021	10/2/2021	Date and duration of occurrence
Pavement	Pier, but possible release to river via pier drainage areas	Surface water	Storm drain system	Discharge to MS4 or surface water
30 gallons	<1 gallon	10 gallons	50 gallons	Estimated volume discharged
SBFD called to a sewer main blockage at 410 Tang Avenue where Public Works noticed the leaking pipe. Roughly 30 gallons with no solids were present.	PWD provided a new hose after the hose being used to flush potable water at Pier 17 ruptured due to a blockage in the sanitary line. PWD took the riser out of service. It is possible a small amount of sewage was released to the Thames River, but PWD employees stated there was no visual indication of a release, and no smell was detected.	A leak in the sanitary line that runs under pier 12 North was noticed by the unit pumping. No sheen noted.	USS Delaware at Pier 32. KTR oversight for pump bypass by CHT due to ongoing project. Bypass pump failed and approximately 50 gallons of sewage entered storm drainage system.	Known or suspected cause / Responsible party
Navy PW utility personnel used water jet equipment to remove blockage in sanitary pipeline, stop bypass and restore flow. Areas affected in parking lot were cleaned up.	Riser was taken out of service until the blockage could be cleared (needed to be done at low tide). A tanker was staged at Pier 17 until repair was completed.	UEM repaired pipe on 12/7	Sanitary sewer discharge from submarine was stopped. Spill contained with filter sock and the pump was manually started and controlled.	Corrective measures planned and completed (include dates)
N/A	N/A	N/A	N/A	Sampling data (if applicable)

Pier 31 9/19/2022	Location  (Lat long/ street occurrence s and receiving water)  Date and duration of total control occurrence s and receiving total control occurrence s and duration of total control occurrence s and receiving total control occurrence s and total control oc
Surface Water	Discharge to MS4 or surface water
1 cup	Estimated volume discharged
SBFD responded to a call of a ruptured pipe leaking raw sewage. The line was shut off immediately upon rupture and another pipe was used instead. About a gallon got out onto the pier and roughly a cup or less got into the Thames River. There were no cleanup actions possible by the time SBFD arrived on	Known or suspected cause / Responsible party
N/A	Corrective measures planned and completed (include dates)
N/A	Sampling data (if applicable)

# 3.5 Briefly describe the method used to track illicit discharge reports, responses to those reports, and who was responsible for tracking this information.

reported to DEEP and tracked via an in-house Microsoft Access database, and a hard-copy binder maintained at the office telecommunications area. tracked via the base Environmental Management System database. Also, the Q-ALERT system is now used for reporting all sewer spills to DEEP, and all Illicit discharges identified during inspections or investigations are The majority of illicit discharges onboard SUBASE are the result of hazardous material and sanitary sewer spills and releases. All releases are

## 3.6 Provide a summary of actions taken to address septic failures using the table below.

N/A-No active septic systems aboard SUBASENLON.	Location and nature of structure with failing septic systems
N/A	Actions taken to respond to and address the failures
N/A	Impacted waterbody or watershed, if known

### 3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	56 (actual)
Estimated or actual number of interconnections	0
Outfall mapping complete	100%
Interconnection mapping complete	100%
System-wide mapping complete (detailed MS4 infrastructure)	100%
Outfall assessment and priority ranking	100%
Dry weather screening of all High and Low priority outfalls complete	100%
Catchment investigations complete (System traced from Outfall back)	56 Dry weather
	56 Wet weather
Estimated percentage of MS4 catchment area investigated	100% Dry weather

## 3.8 Briefly describe the IDDE training for employees involved in carrying out IDDE tasks including what type of training is provided and how often is it given (minimum once per year).

w/in 90 days). contacted for training, along with their supervisors. When new personnel come onboard, training is conducted out of cycle, as soon as possible (typically the Definition of an Illicit Discharge, Recognizing Illicit Discharges, Reporting, and Preventing Future Instances. Each Spring, personnel are identified and visiting agencies and contractors. Dedicated/consolidated IDDE modules are available, with content covering the Purpose and Scope of the IDDE Program, SUBASENLON has current Stormwater and Spill Response training modules on the Navy ECATTS training website available to the entire community, including

## 4. Construction Site Runoff Control (Section 6(a)(4) / page 25)

ВМР	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit	Ongoing	All construction contracts include requirements to follow CT regulations, including the 2002 Soil erosion and Sediment control Measure chart.	N/A	Public Works Facilities Engineering & Acquisition Division / Christopher Shukis	Jul 1, 2020	Jul 1, 2019	Implemented with permit start-date; all projects since the 2020 official date are MS4 compliant.
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	Complete	Included in SWMP	N/A	Environmental / Chris Koproski	Jul 1, 2017	Mar 1, 2017	All construction contracts require interdepartmental review prior to award. This review includes
				1E - 1			National Environmental Policy Act (NEPA) documentation statements specifically targeting LID and stormwater requirements.
4-3 Review site plans for stormwater quality concerns	Ongoing	Active review of contracts awarded, conduct site inspections as available.	100% of contracts and applicable Task Orders are reviewed.	Environmental / Chris Koproski	Jul 1, 2017	Jul 1, 2017	Site work Induction Board has an EV representative who attends and focuses plans and projects with Stormwater concerns.
4-4 Conduct site inspections	Ongoing	Active contracts and activities.	MS4 compliance.	Facilities Engineering & Acquisition Division / Christopher Shukis	Jul 1, 2017	Jul 1, 2017	Inspections are a current responsibility / activity for Facilities Engineering & Acquisition Division, the Construction Manager also sends out a list of active construction projects to EV for oversight inspections.
4-5 Implement procedure to allow public comment on site development	Ongoing	Signage with contact information is posted at construction activities.	Signs posted.	Facilities Eng & Acquisition Division / Christopher Shukis	Jul 1, 2017	Jul 1, 2017	Verified with independent audit during August 2019.

4-7 Develop stormwater compliance checklist	4-6 Implement procedure to notify developers about DEEP construction stormwater permit	вмр
Completed	Ongoing	Status
NSTR	Included with construction contract specifications.	Activities in current reporting period
MS4 Compliance.	Construction permit, if required.	Measurable goal
EV/ Chris Koproski	Facilities Engineering & Acquisition Division / Christopher Shukis	Department / Person Responsible
N/A	Jul 1, 2017	Due
Jul 1, 2020	Jul 1, 2017	Date completed or projected completion date
Created forms based on Industrial Permit inspection sheets.	The required Environmental Management Plan for contractors includes the Stormwater Pollution Control Plan, required by the CT DEEP Construction General Permit.	Additional details

## Extra space for describing above BMP activities, if needed:

4-2/4-3	ВМР
4-2/4-3 National Environmental Policy Act (NEPA) process is also used to meet these BMP requirements, from planning through design and final inspections.	

# 4.2 Describe any Construction Site Runoff Control activities planned for the next year, if applicable.

course upgrades may extend into the next reporting period, and a sewer pipe replacement effort is underway near O-27. The Weapons Storage Area (WSA) recapitalization will begin this year, tentatively slated for an additional retention pond. Also, MWR obstacle training

# 5. Post-construction Stormwater Management (Section 6(a)(5) / page 27)

Began dedicated catch basin cleaning program, Service Contracts will add larger structures into upcoming contract.	Jul, 2020	Jul 1, 2020	Facilities Sustainment Branch Head / Production Division Director	MS4 compliance.	N/A	Ongoing	5-4 Implement long-term maintenance plan for stormwater basins and treatment structures
Updated as needed	March, 2017	Jul 1, 2020	Environmental / Chris Koproski	MS4 compliance.	Added 5 for the Central Base Parking project.	Ongoing	5-3 Identify retention and detention ponds in priority areas
Pre-MS4 requirements mirror MS4 activities.	Various	Jul 1, 2022	Environmental / Chris Koproski (initial mapping), Facilities Maintenance director / (updates due to activities)	Meet Navy LID Policy standards, MS4 standards, and DoD EISA Section 438 Policy standards.	Enacted in March 2017 in anticipation of MS4 permit.	Ongoing	5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects
Legal authority to implement and enforce the Post-Construction Stormwater Management Program is established by inclusion of the Navy LID Policy standards, the DoD EISA Section 438 Policy standards, and the M54 General Permit LID standards in SUBASENLON's standard construction specifications.	1 Mar 2017	Jul 1, 2022	PWD Project Management and Engineering / Senior Design Manager	MS4 compliance.	N/A	Complete	5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning
Additional details	Date completed or projected completion date	Due	Department / Person Responsible	Measurable goal	Activities in current reporting period	Status	ВМР

5-6 Address post-construction issues in areas with pollutants of concern	5-5 DCIA mapping	BMP
Ongoing	Complete	Status
Retention of Water quality volume, limits of disturbance, and CT Stormwater Quality Manual excerpts briefed to Stakeholders	Completed in March, 2017 in anticipation of MS4 permit.	Activities in current reporting period
Contact with all Division and Branch Heads.	N/A	Measurable goal
Environmental / Chris Koproski	Environmental / Chris Koproski (initial mapping), Facilities Maintenance Director/ (updates due to activities)	Department / Person Responsible
Not specified	Jul 1, 2020	Due
Jul 1, 2020	March 2017 for initial effort, ongoing for updates.	Date completed or projected completion date
Due to impaired status of the Thames River, this program applies throughout SUBASENLON.	Updated as needed, there were no projects in 2022 with a DCIA gain/loss.	Additional details

## Extra space for describing above BMP activities, if needed:

The state of the s	detention ponds	maintaining	means of	ID sustainable		71810	DAAD	
Ì		ani ataraha		Rain gardens fall under base recurring service contracts for mowing/trimming/debris				
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# 5.2 Describe any Post-Construction Stormwater Management activities planned for the next year, if applicable.

The Weapons Storage Area recapitalization will be the main focus for immediate post-construction activities. There is also a schedule for certain other areas (for example, the Central Base Parking's sand filter beds) that will require management activities (mostly inspections) this year.

## 5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	198.70 acres
DCIA disconnected (redevelopment plus retrofits)	0 acres this year / 5.98 acres total
Retrofits completed	No retrofits affecting DCIA
DCIA disconnected	0% this report year / 3% total since 2012
Estimated cost of retrofits	No retrofit actions this calendar year
Detention or retention ponds identified	10 total

# 5.4 Briefly describe the method to be used to determine baseline DCIA.

GIS/GRX data supplemented with field measurements by a contracted team, the product was first available in 2017 and updated each year based off raw data provided from PWD program managers, including EV. No changes for 2022.

# 6. Pollution Prevention/Good Housekeeping (Section 6(a)(6) / page 31)

6-1 Develop/implement formal employee training program		BMP
	Ongoing	Status
ready access to computers. Industrial Stormwater team members have inperson training 2x year to augment/replace ECATTS on-line training modules.	Expanded ECATTs training modules to include MS4 aspects. Updated training sheet for members without	Activities in current reporting period
	100% of target audience trained	Measurable
	Environmental / Chris Koproski	Department / Person Responsible
Jul 1, 2019	anhad made feldinate and to 4 (20° 2) to 40 (20° 20° 4) (20° 20° 4)	Due
	Jan 1 2019	Date completed or projected completion date
in the form of Stormwater and spill response modules.	Administrator function within ECATTS allows training to be tracked. Most of the associated data is already on ECATTS	Additional details

6-5 Evaluate additional measures for discharges to impaired waters*	6-4 Develop/implement program to control other sources of pollutants to the MS4	6-3 Implement coordination with interconnected MS4s	6-2 Implement MS4 property and operations maintenance	ВМР
Ongoing	Ongoing	Ongoing	Ongoing	Status
Implementing Geese control program with USDA, pet waste management and feral cat control program continuing, "Do Not Feed Geese" signs maintained. Plan to reevaluate after next Industrial sampling bacteria results are in, along with MS4 IDDE screening/sampling later this year.	Leaf collection procedures revised to include ensuring piles remain away from storm drains. Ensured repeat notice sent with leaf collection activities on Nov 2019.	Previous exchange of contact details with Town of Groton MS4 Manager, Michelle Maitland.		Activities in current reporting period
Reduced levels	BMPs	Positive contact	Property and operations maintenance BMPs were legacy actions implemented under existing SUBASENLON Industrial permit.	Measurable goal
Environmental / Chris Koproski	Environmental / Chris Koproski	Environmental / Chris Koproski	PWD Facilities Management Division Director	Person Responsible
Not specified	Not specified	Not specified	Jul 1, 2018	Due
1 Jul 2020	Nov 2019	7 Jul 2019 (initial contact with previous town manager on 24 Jan 2018)	1 Jul 2020	projected completion date
	N/A	The SUBASENLON MS4 is interconnected to the CTDOT, and Towns of Groton and Ledyard. The only true interconnects are along the base access road, sharing one outfall (O-35) with the town of Groton.	SUBASENLON will fully implement the Property and Operations Maintenance Program	Additional details

6-9 Implement retrofit projects to disconnect 2% of DCIA	Ongoing 6-8 Develop/implement plan to identify/prioritize retrofit projects	Ongoing 6-7 Implement infrastructure repair/rehab program	Ongoing 6-6 Track projects that disconnect DCIA	BMP Status
makers on MS4 requirements and explored how to work new requirements into existing prioritization scheme.	makers on MS4 requirements and explored how to work new requirements into existing prioritization scheme.	makers on MS4 requirements and explored how to work new requirements into existing prioritization scheme.	updates are the basis for a contracted action that calculates DCIA each year.	Activities in current reporting period
2% of baseline disconnected		Add MS4 aspects for consideration for project prioritization.	Maintain an accurate list of DCIA.	Measurable goal
PWD Facility Management Division Director	PWD Facility Management Division Director	PWD Facility Management Division Director and Production Division Director	PWD Facility Management Division Director	Department / Person Responsible
Jul 1, 2022	Jul 1, 2020	Jul 1, 2021	Jul 1, 2017	Due
31 Dec 2019	1 Jul 2020	6 Dec 2017	1 March 2017	Date completed or projected completion date
requires that development and redevelopment conform to UFC 3-210-10, LID, and EISA Section 438. In addition, SUBASENLON requires design and construction contractors to comply with the LID standards defined by the MS4 General Permit. SUBASENLON PWD staff continues to review development/construction plans that include associated stormwater design calculations for compliance with these standards.	Reviewed Installation Development Plan	Received copy of master Installation Development Plan and Execution Plan, EV to look for opportunities within scheduled projects.		Additional details

6-12 Develop/implement snow management practices	6-11 Develop/implement catch basin cleaning program	0 6-10 Develop/implement street sweeping program	BMP
Complete	Ongoing	Ongoing	Status
Annual training	This has been transferred in-house and a contracted cleaning effort happened at "handover" to address some of the worst cases.	Annual sweeping event augmented with select additional uses.	Activities in current reporting period
6 Dec 17	MS4 compliance.	MS4 compliance.	Measurable goal
Transportation Branch Head	PWD Facilities Sustainment Branch Head	PWD Transportation Branch Head	Department / Person Responsible
Jul 1, 2020	Jul 1, 2020	Jul 1, 2018	Due
Sept 2019	1 July 2020	1 July 2018	Date completed or projected completion date
N/A	The cleaning program and equipment has been secured, but after the initial use period we are holding for a disposal solution that may include a contracted cleaning effort, to create a new baseline.	Log book in both sweepers and the vac truck; schedule/program in the transportation section and on an as-needed basis with PWD.	Additional details

# 6.2 Describe any Pollution Prevention/Good Housekeeping activities planned for the next year, if applicable.

Continue to implement ECATTS training modules, conduct inspections, and review all projects for MS4 compliance.

## 6.3 Pollution Prevention / Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	Yes, various dates
Street sweeping	
Curb miles swept	~2 miles
Volume (or mass) of material collected	~1/2 yards
Catch basin cleaning	
Total catch basins in priority areas	61
Total catch basins in MS4	845 (excluding infalls and scuppers)
Catch basins inspected	37
Catch basins cleaned	w

\$6,590 for Basewide geese mitigation effort.	sites with failing septic systems)  Cost of mitigation actions/retrofits
None	Reduction in turf area (since start of permit)
Tees and Fairways:  No reduction in Lb/N per 1000 Square feet (roughly 50Lbs/acre, 8 acres, applied 2x).	
50% increase in Lb/K per 1000 Square feet since past year, maintaining a slight decrease since start of permit.	
84% decrease in Lb/P per 1000 Square feet since past year, a slight decrease since start of permit.	
Greens: 17% increase in Lb/N per 1000 Square feet since past year, maintaining a slight decrease since start of permit.	
2022 Greens totals: 1.977 lb/N .081 lb/P .616 lb/K	Reduction in application of fertilizers (since start of permit)
	Municipal turf management program actions (for permittee properties in basins with N/P impairments)
Jan 2022, each snow month (Jan-Apr, Nov-Dec)	Staff training provided on application methods & equipment
Area near North Lake parking lot was approved and used successfully.	Snow disposal location
60 miles (including parking lots), estimated ~10,000 total miles treated through multiple passes.	Lane-miles treated
Truck-mounted Sprayers and Salt spreaders	Type(s) of deicing equipment used
~500 tons / ~4500 gal	Total amount of each deicing material applied
Salt / Ice-bite	Type(s) of deicing material used
	Snow management
0 gallons to sanitary/2 yds	Volume removed from catch basins to impaired waters (if known)
O Bailotty Co Saintally / 2 your	A Corpus (Or marging) of marging requirement an earth section

### 6.4 Catch basin cleaning program

Provide any updates or modifications to your catch basin cleaning program.

into the vac truck, to minimize the chance of sanitary exceedances. date. A decant dumpster was purchased and used, however, discharges of wastewater to sanitary sewer have been temporarily halted due to metal exceedances. Avenues of resolution include increased sampling and more wide-spread (area wise) draws After several "false-starts" due to personnel and equipment issues, SUBASE program commenced by the July 2020 regulatory due

### 6.5 Retrofit program

and the total DCIA to be disconnected upon completion of each project. Briefly describe the Retrofit Program identification and prioritization process, the projects selected for implementation, the rationale for the selection of those projects

Weapon Storage Area projects, DCIA affected is up to 1.5 Acres, depending on finalized plan.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years.

Development Plan to ensure BMPs and Water Quality Volume (WQV) requirements are met. The 2% Directly Connected Navy designers are aware of Low Impact Development (LID), incorporating Environmental/MS4 requirements with the Integrated Impervious Area (DCIA) reduction effort for the initial permit period was met prior to this reporting period.

Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years.

heavy development, Installation Remediation status for certain sites, and mission needs which limit available "green space" Activities beyond the permit term are being identified and prioritized for inclusion with the base Integrated Development Plan, but it appears likely offsets (rather than in-place WQV retention) will be needed for lower base developments, due to factors including

### Part II: Impaired waters investigation and monitoring

### 1. Impaired waters investigation and monitoring program

1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution. This data is available on the MS4 map viewer: <a href="https://uconn.edu/ctms4map">https://uconn.edu/ctms4map</a> .							
	Nitrogen/ Phosphorus 🛛 Bacteria 🖾 Mercury 🗌 Other Pollutant of Concern 🔲						
1.2 Desc	ribe program status						
	1) the status of monitoring work completed, 2) a summary of the results and any notable findings, and 3) any changes to the rater Management Plan based on monitoring results.						
1)	Contracted monitoring program commenced in Spring 2020 and was completed in 2022, results posted below (Table 2.1). Please note Industrial Stormwater Permit GSI000679 already requires monitoring for bacteria at eight (8) outfalls, those results are also reported to DEEP. No changes were made to the Outfalls selected for continued Annual Sampling under the permit. It's worth noting that due to the abnormally dry weather, the Screening and the Annual samples were collected on the same day, but by different teams.						
2)	Turbidity readings were sampled due to their inclusion on an earlier iteration of the CLEAR pollutants of concern map for the Thames River near SUBASE, and are included here since they were measured. Areas were observed and no abnormal contributors were noted. The last screening run (6/8/2022) had many Bacteria exceedences, either Entero, Fecal Coliform, or both. The sites were tested after a significant dry period where the sumps were never "flushed out" with new rainwater, we believe that's what contributed to the high numbers, and will continue watching bacteria results from the two permits.						
3)	No changes to our Stormwater Management Plan have been needed thus far due to monitoring results,						

### 2. Screening data for outfalls to impaired waterbodies (Section 6(i)(1) / page 41)

### 2.1 Screening data

Complete the table below for any outfalls screened during the reporting period. Each Annual Report will add on to the previous year's screening data showing a cumulative list of outfall screening data.

but we are looking at the possibility of working with nearby towns for catch basin cleaning/debris removal.

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results Entero / Fecal Coliform (cfu/100mL) 500 / 260 benchmarks	Name of Laboratory (if used)	Follow-up required? *
		Bacteria		The same invest	
01	6/8/2022	Bacteria	1660 / 457	Phoenix	Yes
02	3/18/2021	Bacteria	<10 / <10	Phoenix	No
03	3/18/2021	Bacteria	10 / 20	Phoenix	No
04	3/18/2021	Bacteria	<10 / 30	Phoenix	No
05	3/18/2021	Bacteria	<10 / 20	Phoenix	No
06	1/24/2019	Bacteria	10/<10	MicroBac	No

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results Entero / Fecal Coliform (cfu/100mL) 500 / 260 benchmarks	Name of Laboratory (if used)	Follow-up required? *
O 6 Revisit	9/2/2020	Bacteria	140 / 1110	MicroBac	Yes
O 6 Revisit	3/18/2021	Bacteria	<10 / <10	Phoenix	No
07	1/24/2019	Bacteria	40 / 230	MicroBac	No
07	9/2/2020	Bacteria	30 / 470	MicroBac	No
O 7 Revisit	3/18/2021	Bacteria	<10 / 10	Phoenix	No
08	3/18/2021	Bacteria	<10 / <10	Phoenix	No
09	3/18/2021	Bacteria	<10 / <10	Phoenix	No
0 10	3/18/2021	Bacteria	<10 / 10	Phoenix	No
0 11	6/8/2022	Bacteria	2280 / 2360	Phoenix	Yes
0 12	3/18/2021	Bacteria	<10 / 20	Phoenix	No
0 13	3/18/2021	Bacteria	<10 / 30	Phoenix	No
0 15	1/24/2019	Bacteria	70 / <10	MicroBac	No
O 15 Revisit	9/2/2020	Bacteria	3600 / 6300	MicroBac	Yes
O 15 Revisit	3/18/2021	Bacteria	<10 / 10	Phoenix	No
O 16	3/18/2021	Bacteria	<10 / <10	Phoenix	
0 17					No
O 17 Revisit	1/24/2019	Bacteria	80 / 10	MicroBac	No
	9/2/2020	Bacteria	50 / 430	MicroBac	Yes
O 17 Revisit	3/18/2021	Bacteria	<10 / <10	Phoenix	No
O 17a	6/8/2022	Bacteria	4350 / 521	Phoenix	Yes
O 18	6/8/2022	Bacteria	24200 / 1660	Phoenix	Yes
0 19	6/8/2022	Bacteria	9800 / 548	Phoenix	Yes
O 20	3/18/2021	Bacteria	20 / 132	Phoenix	No
O-20a	3/18/2021	Bacteria	<10 / 10	Phoenix	No
0 21	3/18/2021	Bacteria	<10 / 10	Phoenix	No
O 21 Revisit	6/8/2022	Bacteria	145 / 20	Phoenix	No
0 22	4/26/2019	Bacteria	<10 / <10	Phoenix	Yes—5 yr resample (NLT 4/2024)
O 22 Revisit	3/18/2021	Bacteria	243 / 20	Phoenix	No
O 22a	1/24/2019	Bacteria	80 / 10	MicroBac	No
O 22a Revisit	9/2/2020	Bacteria	270/1490	MicroBac	Yes
O 22a Revisit	3/18/2021	Bacteria	<10 / 462	Phoenix	No
O 22a Revisit	6/8/2022	Bacteria	75 / 110	Phoenix	No
O 22b	3/18/2021	Bacteria	20 / 52	Phoenix	No
O 23	3/18/2021	Bacteria	10 / 10	Phoenix	No
O 25	3/18/2021	Bacteria	364 / 41	Phoenix	Yes
O 25 Revisit	6/8/2022	Bacteria	233 / 199	Phoenix	No
O 25a	3/18/2021	Bacteria	<10 / 63	Phoenix	No
O 26	3/18/2021	Bacteria	<10 / 288	Phoenix	No
O 26b	3/18/2021	Bacteria	109 / 74	Phoenix	No
0 27	1/24/2019	Bacteria	3400 / 100	МісгоВас	Yes
O 27 Revisit	9/2/2020	Bacteria	80/1750	МістоВас	Yes
O 28	3/18/2021	Bacteria	<10 / 185	Phoenix	No
0 29	6/8/2022	Bacteria	132 / 85	Phoenix	No
0 31	6/8/2022	Bacteria	262 / 173	Phoenix	No
0 32	6/8/2022	Bacteria	1110 / 309	Phoenix	Yes
O 32a	6/8/2022	Bacteria	<10 / <10	Phoenix	No
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				A STATE OF THE PARTY OF THE PAR
0 33	6/8/2022	Bacteria	2610 / 842	Phoenix	Yes
O 33a	6/8/2022	Bacteria	2480 / 279	Phoenix	Yes
O 33b	6/8/2022	Bacteria	173 / 1920	Phoenix	Yes
0 34	6/8/2022	Bacteria	2480 / 5790	Phoenix	Yes
0 35	3/18/2021	Bacteria	<135 / 504	Phoenix	Yes
O 35 Revisit	6/8/2022	Bacteria	4110 / 2280	Phoenix	Yes

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results Entero / Fecal Coliform (cfu/100mL) 500 / 260 benchmarks	Name of Laboratory (if used)	Follow-up required? *
O 35-1	1/24/2019	Bacteria	1070 / 130	MicroBac	Yes
O 35-1 Revisit	9/2/2020	Bacteria	30 / 1090	MicroBac	Yes
O 35-1 Revisit	3/18/2021	Bacteria	<10 / <10	Phoenix	No
O 35-1 Revisit	6/8/2022	Bacteria	767 / 1190	Phoenix	Yes
O 35-2	6/8/2022	Bacteria	2480 / 10	Phoenix	Yes
O 35-3	3/18/2021	Bacteria	73 / 52	Phoenix	No
O 35-4	3/18/2021	Bacteria	<10 / <10	Phoenix	No
O 35-5	4/26/2019	Bacteria	31 / 226	Phoenix	Yes—5 yr resample (NLT 4/24)
O 35-5 Revisit	3/18/2021	Bacteria	30 / 294	Phoenix	No
O 35-6	3/18/2021	Bacteria	<10 / <10	Phoenix	No
O 35-7	3/18/2021	Bacteria	<10 / 10	Phoenix	No
O 35-8	3/18/2021	Bacteria	<10 / <10	Phoenix	No
O 35-9	3/18/2021	Bacteria	<10 / <10	Phoenix	No
O 35-10	6/8/2022	Bacteria	122 / <10	Phoenix	No
0 35-10	6/8/2022	Bacteria	5170 / 3040	Phoenix	Yes
0 36	1/24/2019	Bacteria	20 / 10	MicroBac	No
O 36 Revisit	9/2/2020	Bacteria	390 / 8400	MicroBac	Yes
O 36 Revisit	3/18/2021	Bacteria	<10 / 30	Phoenix	No
O 36 Revisit			<10730	Phoenix	Yes
	6/8/2022	Bacteria		Phoenix	No
0 37	3/18/2021	Bacteria	<10 / 41	Phoenix	No
O 39	6/8/2022	Bacteria	211 / 259		and the state of t
O 40	6/8/2022	Bacteria Turbidity (>5)	455 / 565	Phoenix	Yes
01	6/8/2022	Turbidity	Not Detected	-	No
0-2	6/5/2020	Turbidity	68.47	-	Yes—note this is surface flow
0-3	6/5/2020	Turbidity	7.48	-	Yes
0-4	6/6/2020	Turbidity	5.06		Yes
0-5	6/6/2020	Turbidity	2.28		No
0-6	6/6/2020	Turbidity	2.19		No
0-7	6/6/2020	Turbidity	5.78		Yes
0-8	6/6/2020	Turbidity	6.8	-	Yes
0.9	6/6/2020	Turbidity	1.48	_	No
0-10	6/6/2020	Turbidity	19.17	-	Yes
0.10	6/8/2022	Turbidity	Not Detected		No
	3/18/2022	Turbidity	5.08	-	Yes
0 12			6.13	-	Yes
0 13	3/18/2021	Turbidity			Yes
0 15	3/18/2021	Turbidity	31.43	-	
0 16	3/18/2021	Turbidity	27.29	-	Yes
0 17	3/18/2021	Turbidity	9.01	-	Yes
O 17a	6/8/2022	Turbidity	Not Detected	-	No
0 18	6/8/2022	Turbidity	6.07	•	Yes
O 19	6/8/2022	Turbidity	3.33	•	No
O 20	3/18/2021	Turbidity	5.32	•	Yes
O-20a	3/18/2021	Turbidity	8.87	-	Yes
0 21	3/18/2021	Turbidity	12.03	-	Yes
O 22	3/18/2021	Turbidity	7.92	-	Yes
O 22a	3/18/2021	Turbidity	101.7	_	Yes
O 22b	3/18/2021	Turbidity	35.07	•	Yes
O 23	3/18/2021	Turbidity	19.79	-	Yes
O 25	3/18/2021	Turbidity	17.9	-	Yes
O 25a	3/18/2021	Turbidity	23.36	-	Yes

O 26   3/18/2021   Turbidity   18.19   -   Yes	utfall ID	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of	Results Entero / Fecal Coliform (cfu/100mL) 500 / 260 benchmarks	Name of Laboratory (if used)	Follow-up required? *
0.26b         3/18/2021         Turbidity         11.58         -         Yes           0.27         3/18/2021         Turbidity         16.64         -         Yes           0.28         3/18/2021         Turbidity         Not Detected         -         No           0.31         .6/8/2022         Turbidity         Not Detected         -         No           0.32         .6/8/2022         Turbidity         Not Detected         -         No           0.32         .6/8/2022         Turbidity         Not Detected         -         No           0.33         .6/8/2022         Turbidity         No Detected         -         No           0.33         .6/8/2022         Turbidity         Not Detected         -         No           0.34         .6/8/2022         Turbidity         Not Detected         -         No           0.35         .6/8/2020         Turbidity         Not Detected         -         No           0.35-1         .6/5/2020         Turbidity         Not Detected         -         No           0.35-2         .6/8/2020         Turbidity         Not Detected         -         No           0.35-3         .6/5/2020         Turbidity <th></th> <th></th> <th>The second secon</th> <th></th> <th></th> <th></th>			The second secon			
0.27         3/18/2021         Turbidity         18.7         -         Yes           0.28         3/18/2021         Turbidity         16.64         -         Yes           0.29         6/8/2022         Turbidity         Not Detected         -         No           0.31         6/8/2022         Turbidity         Not Detected         -         No           0.32         6/8/2022         Turbidity         Not Detected         -         No           0.33a         6/8/2022         Turbidity         Not Detected         -         No           0.33a         6/8/2022         Turbidity         Not Detected         -         No           0.34         6/8/2022         Turbidity         Not Detected         -         No           0.35         6/8/2022         Turbidity         Not Detected         -         No           0.35-1         6/8/2020         Turbidity         Not Detected         -         No           0.35-2         6/8/2020         Turbidity         Not Detected         -         No           0.35-3         6/8/2020         Turbidity         Not Detected         -         No           0.35-4         6/8/2020         Turbidity			the state of the s		-	
0 28         3/18/2021         Turbidity         16.64         -         Yes           0 29         6/8/2022         Turbidity         Not Detected         -         No           0 31         6/8/2022         Turbidity         Not Detected         -         No           0 32a         6/8/2022         Turbidity         Not Detected         -         No           0 32a         6/8/2022         Turbidity         Not Detected         -         No           0 33a         6/8/2022         Turbidity         Not Detected         -         No           0 33b         6/8/2022         Turbidity         Not Detected         -         No           0 34         6/8/2022         Turbidity         Not Detected         -         No           0 35-1         6/8/2020         Turbidity         Not Detected         -         No           0 35-1         6/8/2020         Turbidity         Not Detected         -         No           0 35-3         6/8/2020         Turbidity         Not Detected         -         No           0 35-4         6/8/2020         Turbidity         1.02         -         No           0 35-5         6/8/2020         Turbidity						
0.29         6/8/2022         Turbidity         Not Detected         -         No           0.31         6/8/2022         Turbidity         Not Detected         -         No           0.32         6/8/2022         Turbidity         Not Detected         -         No           0.33         6/8/2022         Turbidity         Not Detected         -         No           0.33         6/8/2022         Turbidity         1.09         -         No           0.33         6/8/2022         Turbidity         No         No         No           0.34         6/8/2022         Turbidity         2.09         -         No           0.35         6/6/2020         Turbidity         2.09         -         No           0.35-1         6/8/2020         Turbidity         0         -         No           0.35-2         6/8/2020         Turbidity         1.02         -         No           0.35-3         6/8/2020         Turbidity         1.02         -         No           0.35-4         6/6/2020         Turbidity         1.02         -         No           0.35-7         6/6/2020         Turbidity         3.02         -         No					-	Yes
0 31         6/8/2022         Turbidity         Not Detected         -         No           0 32         6/8/2022         Turbidity         Not Detected         -         No           0 32         6/8/2022         Turbidity         Not Detected         -         No           0 33         6/8/2022         Turbidity         1.09         -         No           0 33a         6/8/2022         Turbidity         Not Detected         -         No           0 34         6/8/2022         Turbidity         Not Detected         -         No           0 35         6/6/2020         Turbidity         2.09         -         No           0 35-1         6/5/2020         Turbidity         0         -         No           0 35-2         6/8/2020         Turbidity         5.93         -         Yes           0 35-3         6/5/2020         Turbidity         1.02         -         No           0 35-4         6/6/2020         Turbidity         1.1         -         No           0 35-5         6/6/2020         Turbidity         0.02         -         No           0 35-6         6/6/2020         Turbidity         3.0         -         <				16.64		Yes
0 32         6/8/2022         Turbidity         Not Detected         -         No           0 32a         6/8/2022         Turbidity         Not Detected         -         No           0 33         6/8/2022         Turbidity         1.09         -         No           0 33b         6/8/2022         Turbidity         Not Detected         -         No           0 34         6/8/2022         Turbidity         2.09         -         No           0 35         6/6/2020         Turbidity         2.09         -         No           0 35-1         6/5/2020         Turbidity         0         -         No           0 35-2         6/8/2022         Turbidity         5.93         -         Yes           0 35-3         6/5/2020         Turbidity         1.02         -         No           0 35-4         6/6/2020         Turbidity         1.02         -         No           0 35-7         6/6/2020         Turbidity         0.02         -         No           0 35-7         6/6/2020         Turbidity         0.0         -         No           0 35-8         6/6/2020         Turbidity         0.2         -         No			Turbidity	Not Detected		No
0 32a         6/8/2022         Turbidity         Not Detected         -         No           0 33         6/8/2022         Turbidity         1.09         -         No           0 33b         6/8/2022         Turbidity         Not Detected         -         No           0 34         6/8/2022         Turbidity         Not Detected         -         No           0 35         6/6/2020         Turbidity         0         -         No           0 35-1         6/5/2020         Turbidity         0         -         No           0 35-2         6/8/2022         Turbidity         5.93         -         Yes           0 35-3         6/5/2020         Turbidity         1.02         -         No           0 35-4         6/6/2020         Turbidity         1.02         -         No           0 35-5         6/6/2020         Turbidity         0.02         -         No           0 35-7         6/6/2020         Turbidity         0.02         -         No           0 35-8         6/6/2020         Turbidity         0.0         -         No           0 35-9         6/6/2020         Turbidity         3.5         -         Yes		THE RESERVE AND ADDRESS OF THE PARTY OF THE	Turbidity	Not Detected		No
0 33         6/8/2022         Turbidity         Not Detected         -         No           0 33a         6/8/2022         Turbidity         1.09         -         No           0 33b         6/8/2022         Turbidity         Not Detected         -         No           0 34         6/8/2022         Turbidity         Not Detected         -         No           0 35-1         6/6/2020         Turbidity         0         -         No           0 35-1         6/8/2020         Turbidity         Not Detected         -         No           0 35-2         6/8/2020         Turbidity         5.93         -         Yes           0 35-3         6/5/2020         Turbidity         1.02         -         No           0 35-4         6/6/2020         Turbidity         1.02         -         No           0 35-5         6/6/2020         Turbidity         0.02         -         No           0 35-6         6/6/2020         Turbidity         0.02         -         No           0 35-7         6/6/2020         Turbidity         0.2         -         No           0 35-8         6/6/2020         Turbidity         0.0 tected         -	32	6/8/2022	Turbidity	Not Detected		No
0 33a         6/8/2022         Turbidity         1.09         -         No           0 33b         6/8/2022         Turbidity         Not Detected         -         No           0 34         6/8/2022         Turbidity         Not Detected         -         No           0 35-         6/5/2020         Turbidity         0         -         No           0 35-1         6/5/2020         Turbidity         Not Detected         -         No           0 35-2         6/8/2020         Turbidity         1.02         -         No           0 35-3         6/5/2020         Turbidity         1.02         -         No           0 35-5         6/6/2020         Turbidity         1.02         -         No           0 35-5         6/6/2020         Turbidity         0.02         -         No           0 35-6         6/6/2020         Turbidity         0         -         No           0 35-7         6/6/2020         Turbidity         0         -         No           0 35-9         6/6/2020         Turbidity         6.2         -         Yes           0 35-9         6/6/2020         Turbidity         0.0         -         No	32a	6/8/2022	Turbidity	Not Detected		No
0 33b         6/8/2022         Turbidity         Not Detected         -         No           0 34         6/8/2022         Turbidity         No Detected         -         No           0 35         6/6/2020         Turbidity         0         -         No           0 35-1         6/5/2020         Turbidity         No Detected         -         No           0 35-3         6/8/2020         Turbidity         1.02         -         No           0 35-4         6/6/2020         Turbidity         1.02         -         No           0 35-5         6/6/2020         Turbidity         0.02         -         No           0 35-7         6/6/2020         Turbidity         0.02         -         No           0 35-7         6/6/2020         Turbidity         35.76         -         Yes           0 35-9         6/6/2020         Turbidity         6.2         -         Yes           0 35-9         6/6/2020         Turbidity         8.2         -         Yes           0 35-9         6/6/2020         Turbidity         Not Detected         -         No           0 35-10         6/6/2020         Turbidity         Not Detected         -	33	6/8/2022	Turbidity	Not Detected	*	No
0 34         6/8/2022         Turbidity         2.09         -         No           0 35         6/6/2020         Turbidity         2.09         -         No           0 35-1         6/5/2020         Turbidity         0         -         No           0 35-2         6/8/2021         Turbidity         Not Detected         -         No           0 35-3         6/5/2020         Turbidity         1.02         -         No           0 35-4         6/6/2020         Turbidity         1.1         -         No           0 35-5         6/6/2020         Turbidity         0.02         -         No           0 35-6         6/6/2020         Turbidity         0         -         No           0 35-7         6/6/2020         Turbidity         0         -         No           0 35-9         6/6/2020         Turbidity         6.2         -         Yes           0 35-10         6/8/2022         Turbidity         6.25         -         Yes           0 35-11         6/8/2022         Turbidity         30.18         -         Yes           0 35-16         6/8/2021         Turbidity         40.86         -         Yes	33a	6/8/2022	Turbidity	1.09		No
0 35         6/6/2020         Turbidity         2.09         -         No           0 35-1         6/5/2020         Turbidity         0         -         No           0 35-2         6/8/2020         Turbidity         Not Detected         -         No           0 35-3         6/5/2020         Turbidity         1.02         -         No           0 35-6         6/6/2020         Turbidity         1.1         -         No           0 35-5         6/6/2020         Turbidity         0.02         -         No           0 35-6         6/6/2020         Turbidity         0.02         -         No           0 35-7         6/6/2020         Turbidity         35.76         -         Yes           0 35-9         6/6/2020         Turbidity         6.2         -         Yes           0 35-9         6/6/2020         Turbidity         6.25         -         Yes           0 35-11         6/8/2022         Turbidity         30.18         -         Yes           0 36         3/18/2021         Turbidity         40.86         -         Yes           0 37         3/18/2021         Turbidity         3.01         -         No     <	33b	6/8/2022	Turbidity	Not Detected		No
0 35-1         6/5/2020         Turbidity         No         -         No           0 35-2         6/8/2022         Turbidity         Not Detected         -         No           0 35-3         6/6/2020         Turbidity         1.02         -         No           0 35-4         6/6/2020         Turbidity         1.02         -         No           0 35-5         6/6/2020         Turbidity         0.02         -         No           0 35-6         6/6/2020         Turbidity         0         -         No           0 35-7         6/6/2020         Turbidity         0         -         No           0 35-7         6/6/2020         Turbidity         6.2         -         Yes           0 35-9         6/6/2020         Turbidity         6.2         -         Yes           0 35-10         6/8/2022         Turbidity         30.18         -         Yes           0 36         3/18/2021         Turbidity         40.86         -         Yes           0 37         3/18/2021         Turbidity         3.01         -         No           0 40         6/8/2022         Turbidity         40.86         -         Yes	34	6/8/2022	Turbidity	Not Detected	-	No
0 35-1         6/5/2020         Turbidity         No         -         No           0 35-2         6/8/2022         Turbidity         Not Detected         -         No           0 35-3         6/6/2020         Turbidity         1.02         -         No           0 35-4         6/6/2020         Turbidity         1.1         -         No           0 35-5         6/6/2020         Turbidity         0.02         -         No           0 35-6         6/6/2020         Turbidity         0         -         No           0 35-7         6/6/2020         Turbidity         0         -         No           0 35-8         6/6/2020         Turbidity         6.2         -         Yes           0 35-9         6/6/2020         Turbidity         6.2         -         Yes           0 35-10         6/8/2022         Turbidity         30.18         -         Yes           0 36         3/18/2021         Turbidity         40.86         -         Yes           0 37         3/18/2021         Turbidity         40.86         -         Yes           0 39         6/8/2022         Turbidity         Not Detected         -         No	35			2.09		No
0 35-2         6/8/2022         Turbidity         5.93         -         Yes           0 35-3         6/5/2020         Turbidity         1.02         -         No           0 35-4         6/6/2020         Turbidity         1.02         -         No           0 35-5         6/6/2020         Turbidity         0.02         -         No           0 35-6         6/6/2020         Turbidity         0         -         No           0 35-7         6/6/2020         Turbidity         0         -         No           0 35-8         6/6/2020         Turbidity         6.2         -         Yes           0 35-9         6/6/2020         Turbidity         Not Detected         -         No           0 35-10         6/8/2022         Turbidity         Not Detected         -         No           0 35-11         6/8/2022         Turbidity         30.18         -         Yes           0 37         3/18/2021         Turbidity         30.18         -         Yes           0 37         3/18/2021         Turbidity         30.01         -         No           0 40         6/8/2022         Turbidity         30.01         -         No <td></td> <td></td> <td></td> <td></td> <td><del> </del></td> <td></td>					<del> </del>	
0 35-3         6/5/2020         Turbidity         5.93         -         Yes           0 35-4         6/6/2020         Turbidity         1.02         -         No           0 35-5         6/6/2020         Turbidity         0.02         -         No           0 35-6         6/6/2020         Turbidity         0.02         -         No           0 35-7         6/6/2020         Turbidity         35.76         -         Yes           0 35-9         6/6/2020         Turbidity         6.2         -         Yes           0 35-10         6/8/2022         Turbidity         8.2         -         Yes           0 35-11         6/8/2022         Turbidity         30.18         -         Yes           0 36         3/18/2021         Turbidity         30.18         -         Yes           0 37         3/18/2021         Turbidity         No         No         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 40         6/8/2022         Nitrogen         2.014         Phoenix         No           0 1         6/8/2022         Nitrogen         1.63         Phoenix         No<						<del> </del>
0 35-4       6/6/2020       Turbidity       1.02       -       No         0 35-5       6/6/2020       Turbidity       1.1       -       No         0 35-6       6/6/2020       Turbidity       0.02       -       No         0 35-7       6/6/2020       Turbidity       0       -       No         0 35-8       6/6/2020       Turbidity       6.2       -       Yes         0 35-10       6/8/2022       Turbidity       6.2       -       Yes         0 35-11       6/8/2022       Turbidity       6.25       -       Yes         0 36       3/18/2021       Turbidity       30.18       -       Yes         0 37       3/18/2021       Turbidity       30.18       -       Yes         0 39       6/8/2022       Turbidity       3.01       -       No         0 40       6/8/2022       Turbidity       Not Detected       -       No         0 1       6/8/2022       Nitrogen       2.014       Phoenix       No         0 2       6/5/2020       Nitrogen       1.63       Phoenix       No         0 3       6/5/2020       Nitrogen       1.66       Phoenix       No						<del></del>
0 35-5         6/6/2020         Turbidity         1.1         -         No           0 35-6         6/6/2020         Turbidity         0.02         -         No           0 35-7         6/6/2020         Turbidity         0         -         No           0 35-7         6/6/2020         Turbidity         35.76         -         Yes           0 35-9         6/6/2020         Turbidity         6.2         -         Yes           0 35-10         6/8/2022         Turbidity         Not Detected         -         No           0 35-11         6/8/2022         Turbidity         30.18         -         Yes           0 36         3/18/2021         Turbidity         40.86         -         Yes           0 37         3/18/2021         Turbidity         3.01         -         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 1         6/8/2022         Turbidity         Not Detected         -         No           0 1         6/8/2022         Nitrogen         1.46         Phoenix				<del></del>		
0 35-6         6/6/2020         Turbidity         0.02         -         No           0 35-7         6/6/2020         Turbidity         0         -         No           0 35-8         6/6/2020         Turbidity         5.76         -         Yes           0 35-9         6/6/2020         Turbidity         6.2         -         Yes           0 35-10         6/8/2022         Turbidity         Not Detected         -         No           0 35-11         6/8/2022         Turbidity         30.18         -         Yes           0 36         3/18/2021         Turbidity         30.18         -         Yes           0 37         3/18/2021         Turbidity         No         No         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 1         6/8/2022         Turbidity         Not Detected         -         No           0 2         6/5/2022         Nitrogen         2.014         Phoenix         No           0 2         6/5/2020         Nitrogen         1.63         Phoenix				<del></del>		
0 35-7         6/6/2020         Turbidity         0         -         No           0 35-8         6/6/2020         Turbidity         35.76         -         Yes           0 35-9         6/6/2020         Turbidity         6.2         -         Yes           0 35-10         6/8/2022         Turbidity         6.25         -         Yes           0 35-11         6/8/2022         Turbidity         30.18         -         Yes           0 36         3/18/2021         Turbidity         40.86         -         Yes           0 37         3/18/2021         Turbidity         No         No         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 1         6/8/2022         Nitrogen         2.014         Phoenix         No           0 2         6/5/2020         Nitrogen         1.46         Phoenix         No           0 3         6/5/2020         Nitrogen         1.09         Phoenix						
0 35-8         6/6/2020         Turbidity         35.76         -         Yes           0 35-9         6/6/2020         Turbidity         6.2         -         Yes           0 35-10         6/8/2022         Turbidity         Not Detected         -         No           0 35-11         6/8/2022         Turbidity         30.18         -         Yes           0 36         3/18/2021         Turbidity         40.86         -         Yes           0 37         3/18/2021         Turbidity         3.01         -         No           0 39         6/8/2022         Turbidity         Not Detected         -         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 1         6/8/2022         Turbidity         Not Detected         -         No           0 1         6/8/2022         Turbidity         Not Detected         -         No           0 1         6/8/2022         Nitrogen         2.014         Phoenix         No           0 2         6/8/2022         Nitrogen         1.63         Phoenix         No           0 3         6/5/2020         Nitrogen         1.63         Pho						
0 35-9         6/6/2020         Turbidity         6.2         -         Yes           0 35-10         6/8/2022         Turbidity         Not Detected         -         No           0 35-11         6/8/2022         Turbidity         6.25         -         Yes           0 36         3/18/2021         Turbidity         30.18         -         Yes           0 37         3/18/2021         Turbidity         40.86         -         Yes           0 39         6/8/2022         Turbidity         No         No         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 1         6/8/2022         Nitrogen         2.014         Phoenix         No           0 1         6/8/2022         Nitrogen         1.63         Phoenix         No           0 2         6/5/2020         Nitrogen         1.63         Phoenix         No           0 3         6/5/2020         Nitrogen         1.06         Phoenix         No           0 5         6/6/2020         Nitrogen         1.09         Phoenix	and the state of t			<del></del>		
0 35-10         6/8/2022         Turbidity         Not Detected         -         No           0 35-11         6/8/2022         Turbidity         6.25         -         Yes           0 36         3/18/2021         Turbidity         30.18         -         Yes           0 37         3/18/2021         Turbidity         40.86         -         Yes           0 39         6/8/2022         Turbidity         Not Detected         -         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 40         6/8/2022         Nitrogen         2.014         Phoenix         No           0 1         6/8/2022         Nitrogen         1.46         Phoenix         No           0 2         6/5/2020         Nitrogen         1.63         Phoenix         No           0 3         6/5/2020         Nitrogen         1.06         Phoenix         No           0 4         6/6/2020         Nitrogen         1.09         Phoenix         No           0 5         6/6/2020         Nitrogen         0.83         P				+		<del></del>
0 35-11       6/8/2022       Turbidity       6.25       -       Yes         0 36       3/18/2021       Turbidity       30.18       -       Yes         0 37       3/18/2021       Turbidity       40.86       -       Yes         0 39       6/8/2022       Turbidity       Not Detected       -       No         0 40       6/8/2022       Turbidity       Not Detected       -       No         0 40       6/8/2022       Nitrogen       2.014       Phoenix       No         0 1       6/8/2022       Nitrogen       1.46       Phoenix       No         0 2       6/5/2020       Nitrogen       1.63       Phoenix       No         0 3       6/5/2020       Nitrogen       1.06       Phoenix       No         0 4       6/6/2020       Nitrogen       1.06       Phoenix       No         0 5       6/6/2020       Nitrogen       1.09       Phoenix       No         0 6       6/6/2020       Nitrogen       0.83       Phoenix       No         0 7       6/6/2020       Nitrogen       0.85       Phoenix       No         0 9       6/6/2020       Nitrogen       1.47       Phoenix<			the state of the s	<del></del>		
0 36         3/18/2021         Turbidity         30.18         -         Yes           0 37         3/18/2021         Turbidity         40.86         -         Yes           0 39         6/8/2022         Turbidity         3.01         -         No           0 40         6/8/2022         Turbidity         Not Detected         -         No           0 40         6/8/2022         Nitrogen         2.014         Phoenix         No           0 1         6/8/2022         Nitrogen         1.46         Phoenix         No           0 2         6/5/2020         Nitrogen         1.63         Phoenix         No           0 3         6/5/2020         Nitrogen         0.96         Phoenix         No           0 4         6/6/2020         Nitrogen         1.06         Phoenix         No           0 5         6/6/2020         Nitrogen         1.09         Phoenix         No           0 7         6/6/2020         Nitrogen         0.83         Phoenix         No           0 8         6/6/2020         Nitrogen         0.85         Phoenix         No           0 9         6/6/2020         Nitrogen         1.97         Phoenix	the eventure will be a second					1
0 37       3/18/2021       Turbidity       40.86       -       Yes         0 39       6/8/2022       Turbidity       3.01       -       No         0 40       6/8/2022       Turbidity       Not Detected       -       No         Nitrogen (<2.5)					*	<del>                                 </del>
O 39         6/8/2022         Turbidity         3.01         -         No           O 40         6/8/2022         Turbidity         Not Detected         -         No           Nitrogen (<2.5)	Act to the second second		the state of the s		•	
O 40         6/8/2022         Turbidity         Not Detected         -         No           O 1         6/8/2022         Nitrogen         2.014         Phoenix         No           O 2         6/5/2020         Nitrogen         1.46         Phoenix         No           O 3         6/5/2020         Nitrogen         1.63         Phoenix         No           O 4         6/6/2020         Nitrogen         0.96         Phoenix         No           O 5         6/6/2020         Nitrogen         1.06         Phoenix         No           O 6         6/6/2020         Nitrogen         1.09         Phoenix         No           O 7         6/6/2020         Nitrogen         0.83         Phoenix         No           O 8         6/6/2020         Nitrogen         0.85         Phoenix         No           O 9         6/6/2020         Nitrogen         1.47         Phoenix         No           O 10         6/6/2020         Nitrogen         1.97         Phoenix         No           O 11         6/8/2022         Nitrogen         0.54         Phoenix         No           O 12         3/18/2021         Nitrogen         0.91         Phoenix <td></td> <td></td> <td></td> <td>+</td> <td>-</td> <td><del> </del></td>				+	-	<del> </del>
Nitrogen (<2.5)	and the second second second second second	The second secon	The same of the sa		-	No
0 1       6/8/2022       Nitrogen       2.014       Phoenix       No         0 2       6/5/2020       Nitrogen       1.46       Phoenix       No         0 3       6/5/2020       Nitrogen       1.63       Phoenix       No         0 4       6/6/2020       Nitrogen       0.96       Phoenix       No         0 5       6/6/2020       Nitrogen       1.06       Phoenix       No         0 6       6/6/2020       Nitrogen       1.09       Phoenix       No         0 7       6/6/2020       Nitrogen       0.83       Phoenix       No         0 8       6/6/2020       Nitrogen       0.85       Phoenix       No         0 9       6/6/2020       Nitrogen       1.47       Phoenix       No         0 10       6/6/2020       Nitrogen       1.97       Phoenix       No         0 11       6/8/2022       Nitrogen       0.54       Phoenix       No         0 12       3/18/2021       Nitrogen       0.91       Phoenix       No         0 15       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17a       6/8/2022       Nitrogen       0.754       Phoenix	40	6/8/2022		Not Detected	-	No
0 2       6/5/2020       Nitrogen       1.46       Phoenix       No         0 3       6/5/2020       Nitrogen       1.63       Phoenix       No         0 4       6/6/2020       Nitrogen       0.96       Phoenix       No         0 5       6/6/2020       Nitrogen       1.06       Phoenix       No         0 6       6/6/2020       Nitrogen       1.09       Phoenix       No         0 7       6/6/2020       Nitrogen       0.83       Phoenix       No         0 8       6/6/2020       Nitrogen       0.85       Phoenix       No         0 9       6/6/2020       Nitrogen       1.47       Phoenix       No         0 10       6/6/2020       Nitrogen       1.97       Phoenix       No         0 11       6/8/2022       Nitrogen       0.54       Phoenix       No         0 12       3/18/2021       Nitrogen       0.91       Phoenix       No         0 13       3/18/2021       Nitrogen       0.8       Phoenix       No         0 15       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17       3/18/2021       Nitrogen       0.32       Phoenix<			Nitrogen (<2.5)			
0 3       6/5/2020       Nitrogen       1.63       Phoenix       No         0 4       6/6/2020       Nitrogen       0.96       Phoenix       No         0 5       6/6/2020       Nitrogen       1.06       Phoenix       No         0 6       6/6/2020       Nitrogen       1.09       Phoenix       No         0 7       6/6/2020       Nitrogen       0.83       Phoenix       No         0 8       6/6/2020       Nitrogen       0.85       Phoenix       No         0 9       6/6/2020       Nitrogen       1.47       Phoenix       No         0 10       6/6/2020       Nitrogen       1.97       Phoenix       No         0 11       6/8/2022       Nitrogen       1.162       Phoenix       No         0 12       3/18/2021       Nitrogen       0.54       Phoenix       No         0 13       3/18/2021       Nitrogen       0.91       Phoenix       No         0 15       3/18/2021       Nitrogen       0.8       Phoenix       No         0 16       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17a       6/8/2022       Nitrogen       0.754       Phoe		6/8/2022	Nitrogen	2.014	Phoenix	No
0 4       6/6/2020       Nitrogen       0.96       Phoenix       No         0 5       6/6/2020       Nitrogen       1.06       Phoenix       No         0 6       6/6/2020       Nitrogen       1.09       Phoenix       No         0 7       6/6/2020       Nitrogen       0.83       Phoenix       No         0 8       6/6/2020       Nitrogen       0.85       Phoenix       No         0 9       6/6/2020       Nitrogen       1.47       Phoenix       No         0 10       6/6/2020       Nitrogen       1.97       Phoenix       No         0 11       6/8/2022       Nitrogen       1.162       Phoenix       No         0 12       3/18/2021       Nitrogen       0.54       Phoenix       No         0 13       3/18/2021       Nitrogen       0.91       Phoenix       No         0 15       3/18/2021       Nitrogen       0.8       Phoenix       No         0 16       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17a       6/8/2022       Nitrogen       0.754       Phoenix       No         0 18       6/8/2022       Nitrogen       0.65       Pho	2	6/5/2020	Nitrogen	1.46	Phoenix	No
0 5         6/6/2020         Nitrogen         1.06         Phoenix         No           0 6         6/6/2020         Nitrogen         1.09         Phoenix         No           0 7         6/6/2020         Nitrogen         0.83         Phoenix         No           0 8         6/6/2020         Nitrogen         0.85         Phoenix         No           0 9         6/6/2020         Nitrogen         1.47         Phoenix         No           0 10         6/6/2020         Nitrogen         1.97         Phoenix         No           0 11         6/8/2022         Nitrogen         1.162         Phoenix         No           0 12         3/18/2021         Nitrogen         0.54         Phoenix         No           0 13         3/18/2021         Nitrogen         0.91         Phoenix         No           0 15         3/18/2021         Nitrogen         0.8         Phoenix         No           0 16         3/18/2021         Nitrogen         0.78         Phoenix         No           0 17         3/18/2021         Nitrogen         0.32         Phoenix         No           0 17a         6/8/2022         Nitrogen         0.754         Phoen	3	6/5/2020	Nitrogen	1.63	Phoenix	No
0 6       6/6/2020       Nitrogen       1.09       Phoenix       No         0 7       6/6/2020       Nitrogen       0.83       Phoenix       No         0 8       6/6/2020       Nitrogen       0.85       Phoenix       No         0 9       6/6/2020       Nitrogen       1.47       Phoenix       No         0 10       6/6/2020       Nitrogen       1.97       Phoenix       No         0 11       6/8/2022       Nitrogen       1.162       Phoenix       No         0 12       3/18/2021       Nitrogen       0.54       Phoenix       No         0 13       3/18/2021       Nitrogen       0.91       Phoenix       No         0 15       3/18/2021       Nitrogen       0.8       Phoenix       No         0 16       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17       3/18/2021       Nitrogen       0.32       Phoenix       No         0 17a       6/8/2022       Nitrogen       0.754       Phoenix       No         0 18       6/8/2022       Nitrogen       0.65       Phoenix       No         0 19       6/8/2022       Nitrogen       1.05	4	6/6/2020	Nitrogen	0.96	Phoenix	No
0 6       6/6/2020       Nitrogen       1.09       Phoenix       No         0 7       6/6/2020       Nitrogen       0.83       Phoenix       No         0 8       6/6/2020       Nitrogen       0.85       Phoenix       No         0 9       6/6/2020       Nitrogen       1.47       Phoenix       No         0 10       6/6/2020       Nitrogen       1.97       Phoenix       No         0 11       6/8/2022       Nitrogen       1.162       Phoenix       No         0 12       3/18/2021       Nitrogen       0.54       Phoenix       No         0 13       3/18/2021       Nitrogen       0.91       Phoenix       No         0 15       3/18/2021       Nitrogen       0.8       Phoenix       No         0 16       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17       3/18/2021       Nitrogen       0.32       Phoenix       No         0 17a       6/8/2022       Nitrogen       0.754       Phoenix       No         0 18       6/8/2022       Nitrogen       0.65       Phoenix       No         0 19       6/8/2022       Nitrogen       1.05	5	6/6/2020	Nitrogen	1.06	Phoenix	No
0 8       6/6/2020       Nitrogen       0.85       Phoenix       No         0 9       6/6/2020       Nitrogen       1.47       Phoenix       No         0 10       6/6/2020       Nitrogen       1.97       Phoenix       No         0 11       6/8/2022       Nitrogen       1.162       Phoenix       No         0 12       3/18/2021       Nitrogen       0.54       Phoenix       No         0 13       3/18/2021       Nitrogen       0.91       Phoenix       No         0 15       3/18/2021       Nitrogen       0.8       Phoenix       No         0 16       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17       3/18/2021       Nitrogen       0.32       Phoenix       No         0 17a       6/8/2022       Nitrogen       0.754       Phoenix       No         0 18       6/8/2022       Nitrogen       0.65       Phoenix       No         0 19       6/8/2022       Nitrogen       1.05       Phoenix       No	6	6/6/2020	Nitrogen	1.09	Phoenix	No
0 8       6/6/2020       Nitrogen       0.85       Phoenix       No         0 9       6/6/2020       Nitrogen       1.47       Phoenix       No         0 10       6/6/2020       Nitrogen       1.97       Phoenix       No         0 11       6/8/2022       Nitrogen       1.162       Phoenix       No         0 12       3/18/2021       Nitrogen       0.54       Phoenix       No         0 13       3/18/2021       Nitrogen       0.91       Phoenix       No         0 15       3/18/2021       Nitrogen       0.8       Phoenix       No         0 16       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17       3/18/2021       Nitrogen       0.32       Phoenix       No         0 17a       6/8/2022       Nitrogen       0.754       Phoenix       No         0 18       6/8/2022       Nitrogen       0.65       Phoenix       No         0 19       6/8/2022       Nitrogen       1.05       Phoenix       No	7	6/6/2020	Nitrogen	0.83	Phoenix	No
0 9       6/6/2020       Nitrogen       1.47       Phoenix       No         0 10       6/6/2020       Nitrogen       1.97       Phoenix       No         0 11       6/8/2022       Nitrogen       1.162       Phoenix       No         0 12       3/18/2021       Nitrogen       0.54       Phoenix       No         0 13       3/18/2021       Nitrogen       0.91       Phoenix       No         0 15       3/18/2021       Nitrogen       0.8       Phoenix       No         0 16       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17       3/18/2021       Nitrogen       0.32       Phoenix       No         0 17a       6/8/2022       Nitrogen       0.754       Phoenix       No         0 18       6/8/2022       Nitrogen       0.65       Phoenix       No         0 19       6/8/2022       Nitrogen       1.05       Phoenix       No						No
0 10       6/6/2020       Nitrogen       1.97       Phoenix       No         0 11       6/8/2022       Nitrogen       1.162       Phoenix       No         0 12       3/18/2021       Nitrogen       0.54       Phoenix       No         0 13       3/18/2021       Nitrogen       0.91       Phoenix       No         0 15       3/18/2021       Nitrogen       0.8       Phoenix       No         0 16       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17       3/18/2021       Nitrogen       0.32       Phoenix       No         0 17a       6/8/2022       Nitrogen       0.754       Phoenix       No         0 18       6/8/2022       Nitrogen       0.65       Phoenix       No         0 19       6/8/2022       Nitrogen       1.05       Phoenix       No				<del></del>		
0 11       6/8/2022       Nitrogen       1.162       Phoenix       No         0 12       3/18/2021       Nitrogen       0.54       Phoenix       No         0 13       3/18/2021       Nitrogen       0.91       Phoenix       No         0 15       3/18/2021       Nitrogen       0.8       Phoenix       No         0 16       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17       3/18/2021       Nitrogen       0.32       Phoenix       No         0 17a       6/8/2022       Nitrogen       0.754       Phoenix       No         0 18       6/8/2022       Nitrogen       0.65       Phoenix       No         0 19       6/8/2022       Nitrogen       1.05       Phoenix       No						<del> </del>
0 12       3/18/2021       Nitrogen       0.54       Phoenix       No         0 13       3/18/2021       Nitrogen       0.91       Phoenix       No         0 15       3/18/2021       Nitrogen       0.8       Phoenix       No         0 16       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17       3/18/2021       Nitrogen       0.32       Phoenix       No         0 17a       6/8/2022       Nitrogen       0.754       Phoenix       No         0 18       6/8/2022       Nitrogen       0.65       Phoenix       No         0 19       6/8/2022       Nitrogen       1.05       Phoenix       No						<del></del>
0 13       3/18/2021       Nitrogen       0.91       Phoenix       No         0 15       3/18/2021       Nitrogen       0.8       Phoenix       No         0 16       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17       3/18/2021       Nitrogen       0.32       Phoenix       No         0 17a       6/8/2022       Nitrogen       0.754       Phoenix       No         0 18       6/8/2022       Nitrogen       0.65       Phoenix       No         0 19       6/8/2022       Nitrogen       1.05       Phoenix       No		THE RESERVE AND ADDRESS OF THE PARTY OF THE	francisco Toron Toron Company (Company Company			<del></del>
0 15       3/18/2021       Nitrogen       0.8       Phoenix       No         0 16       3/18/2021       Nitrogen       0.78       Phoenix       No         0 17       3/18/2021       Nitrogen       0.32       Phoenix       No         0 17a       6/8/2022       Nitrogen       0.754       Phoenix       No         0 18       6/8/2022       Nitrogen       0.65       Phoenix       No         0 19       6/8/2022       Nitrogen       1.05       Phoenix       No						
O 16     3/18/2021     Nitrogen     0.78     Phoenix     No       O 17     3/18/2021     Nitrogen     0.32     Phoenix     No       O 17a     6/8/2022     Nitrogen     0.754     Phoenix     No       O 18     6/8/2022     Nitrogen     0.65     Phoenix     No       O 19     6/8/2022     Nitrogen     1.05     Phoenix     No			francisco de la companya de la comp			<del></del>
O 17     3/18/2021     Nitrogen     0.32     Phoenix     No       O 17a     6/8/2022     Nitrogen     0.754     Phoenix     No       O 18     6/8/2022     Nitrogen     0.65     Phoenix     No       O 19     6/8/2022     Nitrogen     1.05     Phoenix     No						
0 17a       6/8/2022       Nitrogen       0.754       Phoenix       No         0 18       6/8/2022       Nitrogen       0.65       Phoenix       No         0 19       6/8/2022       Nitrogen       1.05       Phoenix       No		AND RESIDENCE OF THE PARTY OF T				<del></del>
0 18       6/8/2022       Nitrogen       0.65       Phoenix       No         0 19       6/8/2022       Nitrogen       1.05       Phoenix       No						
O 19 6/8/2022 Nitrogen 1.05 Phoenix No			<del> </del>			
	C-91 F. H	The second secon				
U 2U 3/18/2021   Nitrogen   U.67   Phoenix   No						
			<del></del>			
O-20a 3/18/2021 Nitrogen 0.23 Phoenix No O 21 3/18/2021 Nitrogen 0.79 Phoenix No						

Outfall ID	Sample date	Parameter . (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results Entero / Fecal Coliform (cfu/100mL) 500 / 260 benchmarks	Name of Laboratory (if used)	Follow-up required? *
O 21 Revisit	6/8/2022	Nitrogen	1.35	Phoenix	No
O 22	3/18/2021	Nitrogen	0.44	Phoenix	No
O 22a	3/18/2021	Nitrogen	0.65	Phoenix	No
O 22a Revisit	6/8/2022	Nitrogen	1.45	Phoenix	No
O 22b	3/18/2021	Nitrogen	0.69	Phoenix	No
O 23	3/18/2021	Nitrogen	0.37	Phoenix	No
O 25	3/18/2021	Nitrogen	0.49	Phoenix	No
O 25 Revisit	6/8/2022	Nitrogen	1.69	Phoenix	No
O 25a	3/18/2021	Nitrogen -	0.66	Phoenix	No
O 26	3/18/2021	Nitrogen	0.37	Phoenix	No
O 26b	3/18/2021	Nitrogen	0.48	Phoenix	No
0 27	3/18/2021	Nitrogen	0.44	Phoenix	No
0 28	3/18/2021	Nitrogen	0.53	Phoenix	No
0 29	6/8/2022	Nitrogen	0.82	Phoenix	No
0 31	6/8/2022	Nitrogen	0.86	Phoenix	No
O 32	6/8/2022	Nitrogen	0.77	Phoenix	No
O 32 a	6/8/2022	Nitrogen	0.59	Phoenix	No
O 33	6/8/2022	Nitrogen	0.64	Phoenix	No
O 33a	6/8/2022	Nitrogen	1.03	Phoenix	No
O 33b	6/8/2022	Nitrogen	0.942	Phoenix	No
			0.43	Phoenix	No
O 34	6/8/2022	Nitrogen	1	Phoenix	No
0 35	6/6/2020	Nitrogen		Phoenix	No
O 35 Revisit	6/8/2022	Nitrogen	1.46	Phoenix	Yes
0 35-1	6/5/2020	Nitrogen	2.82		No
O 35-1 Revisit	6/8/2022	Nitrogen	2.02	Phoenix	
0 35-2	6/8/2022	Nitrogen	1.29	Phoenix	No
0 35-3	6/5/2020	Nitrogen	1.34	Phoenix	No
O 35-4	6/6/2020	Nitrogen	0.82	Phoenix	No
O 35-5	6/6/2020	Nitrogen	0.93	Phoenix	No
O 35-6	6/6/2020	Nitrogen	0.86	Phoenix	No
0 35-7	6/6/2020	Nitrogen	0.98	Phoenix	No
O 35-8	6/6/2020	Nitrogen	1,43	Phoenix	No
O 35-9	6/6/2020	Nitrogen	0.94	Phoenix	No
O 35-10	6/8/2022	Nitrogen	1.64	Phoenix	No
0 35-11	6/8/2022	Nitrogen	1.64	Phoenix	No
O 36	3/18/2021	Nitrogen	3.18	Phoenix	Yes
O 36 Revisit	6/8/2022	Nitrogen	1,43	Phoenix	No
0 37	3/18/2021	Nitrogen	4.99	Phoenix	Yes
O 39	6/8/2022	Nitrogen	0.46	Phoenix	No
O 40	6/8/2022	Nitrogen Phosphorus (<0.3)	0.34	Phoenix	No
0-1	6/8/2022	Phosphorus	0.215	Phoenix	No
0-2	6/5/2020	Phosphorus	0.105	Phoenix	No
0-3	6/5/2020	Phosphorus	0.051	Phoenix	No
0-3	6/6/2020	Phosphorus	0.043	Phoenix	No
			0.056	Phoenix	No
0-5	6/6/2020	Phosphorus	0.017	Phoenix	No
0-6	6/6/2020	Phosphorus	<del></del>	Phoenix	No
0-7	6/6/2020	Phosphorus	0.013		No
0-8	6/6/2020	Phosphorus	0.03	Phoenix	
0-9	6/6/2020	Phosphorus	0.010	Phoenix	No

Outfall ID	Sample	Parameter (Nitrogen, Phosphorus, Bacteria,	Results Entero / Fecal Coliform (cfu/100mL)	Name of Laboratory (if	Follow-up required? *
	date	or Other pollutant of concern)	500 / 260 benchmarks	used)	
0 11	6/8/2022	Phosphorus	0.123	Phoenix	No
0 12	3/18/2021	Phosphorus	0,037	Phoenix	No
0 13	3/18/2021	Phosphorus	0.113	Phoenix	No
0 15	3/18/2021	Phosphorus	0.120	Phoenix	No
0 16	3/18/2021	Phosphorus	0.060	Phoenix	No
0 17	3/18/2021	Phosphorus	0.017	Phoenix	No
O 17a	6/8/2022	Phosphorus	0.108	Phoenix	No
O 18	6/8/2022	Phosphorus	0.057	Phoenix	No
0 19	6/8/2022	Phosphorus	0.217	Phoenix	No
O 20	3/18/2021	Phosphorus	0.031	Phoenix	No
O-20a	3/18/2021	Phosphorus	0.014	Phoenix	No
0 21	3/18/2021	Phosphorus	0.684	Phoenix	Yes
O 21 Revisit	6/8/2022	Phosphorus	0.096	Phoenix	No
0 22	3/18/2021	Phosphorus	0.048	Phoenix	No
O 22a	3/18/2021	Phosphorus	0.123	Phoenix	No
O 22a O 22a Revisit	6/8/2022	Phosphorus	0.201	Phoenix	No
O 22b Nevisic	3/18/2021	Phosphorus	0.079	Phoenix	No
0 23	3/18/2021	Phosphorus	0.094	Phoenix	
0 25	And the second s			Phoenix	No
	3/18/2021	Phosphorus	0.028		No
O 25 Revisit	6/8/2022	Phosphorus	0.248	Phoenix	No
O 25a	3/18/2021	Phosphorus	0.167	Phoenix	No
0 26	3/18/2021	Phosphorus	0.076	Phoenix	No
O 26b	3/18/2021	Phosphorus	0.040	Phoenix	No
0 27	3/18/2021	Phosphorus	0.070	Phoenix	No
O 28	3/18/2021	Phosphorus	0.128	Phoenix	No
O 29	6/8/2022	Phosphorus	0.176	Phoenix	No
0 31	6/8/2022	Phosphorus	0.071	Phoenix	No
O 32	6/8/2022	Phosphorus	0.094	Phoenix	No
O 32a -	6/8/2022	Phosphorus	0.088	Phoenix	No
O 33	6/8/2022	Phosphorus	0.064	Phoenix	No
O 33a	6/8/2022	Phosphorus	0.134	Phoenix	No
O 33b	6/8/2022	Phosphorus	0.021	Phoenix	No
O 34	6/8/2022	Phosphorus	0.189	Phoenix	No
O 35	6/6/2020	Phosphorus	0.06	Phoenix	No
O 35 Revisit	6/8/2022	Phosphorus	0.141	Phoenix	No
O 35-1	6/5/2020	Phosphorus	<0.010	Phoenix	No
O 35-1 Revisit	6/8/2022	Phosphorus	0.201	Phoenix	No
O 35-3	6/5/2020	Phosphorus	0.11	Phoenix	No
O 35-4	6/6/2020	Phosphorus	0.071	Phoenix	No
O 35-5	6/6/2020	Phosphorus	0.042	Phoenix	No
O 35-6	6/6/2020	Phosphorus	0.028	Phoenix	No
0 35-7	6/6/2020	Phosphorus	0.073	Phoenix	No
O 35-8	6/6/2020	Phosphorus	0.127	Phoenix	No
O 35-9	6/6/2020	Phosphorus	0.042	Phoenix	No
0 35-10	6/8/2022	Phosphorus	0.055	Phoenix	No
0 35-10	6/8/2022	Phosphorus	0.116	Phoenix	No
0 36	MARKET MARKET STATES OF THE PARKET STATES OF THE PA	Phosphorus	0.110	Phoenix	No
	3/18/2021				<del></del>
O 36 Revisit	6/8/2022	Phosphorus	0.245	Phoenix	No
O 37 O 39	3/18/2021	Phosphorus	0.277	Phoenix	No
	6/8/2022	Phosphorus	0.038	Phoenix	No

\*Follow-up investigation required (last column) if the following pollutant thresholds are exceeded:

Pollutant of concern	Poliutant threshold
Nitrogen	Total N > 2.5 mg/l
Phosphorus	Total P > 0.3 mg/l
Bacteria (fresh waterbody)	<ul> <li>E. coli &gt; 235 col/100ml for swimming areas or 410 col/100ml for all others</li> <li>Total Coliform &gt; 500 col/100ml</li> </ul>
Bacteria (salt waterbody)	<ul> <li>Fecal Coliform &gt; 31 col/100ml for Class SA and &gt; 260 col/100ml for Class SB</li> <li>Enterococci &gt; 104 col/100ml for swimming areas or 500 col/100 for all others</li> </ul>
Other pollutants of concern	Sample turbidity is 5 NTU > in-stream sample

### 3. Follow-up investigations (Section 6(i)(1)(D) / page 43)

Provide the following information for outfalls exceeding the pollutant threshold.

Outfall	Status of drainage area investigation	Control measure implementation to address impairment
O 6, O 7, O 15, O 17, O 22a, O 27, O 35-1, and O 36	Ongoing (Industrial permitted area)	Monthly inspections, feral cat management program, general Housekeeping efforts have addressed the Bacteria (O 6, O 36) and N (O 35-1) exceedances, turbidity exceedances at O 7, O 15, O 17, and O 27 is addressed below
Various	Turbidity exceedances along the lower base corridor have been impacted by extensive sewer repair work, though BMPs were employed vehicle traffic and extent of work resulted in raised levels, with repair work largely completed existing BMPs will be adequate for normal operations.	Focus on BMP upkeep after initial installation (for example, fabric screens were so loaded down with material they would tear).
01	Complete	Equipment storage area had gate issues, all vehicles and material are now stored on the area above the slope.
O 40	Ongoing	This is one of the Outfalls impacted by the Weapons Area recapitalization project, control measures are in final design stage.

### 4. Prioritized outfall monitoring (Section 6(i)(1)(D) / page 43)

Once outfall screening has been completed for at least 50% of outfalls to impaired waters, identify 6 of the highest contributors of any pollutants of concern. Begin monitoring these outfalls on an annual basis by July 1, 2021.

Outfall	Sample Date	Parameter(s)	Annual Results (See Table 4-1 for data)	Name of Laboratory (if used)
0 21	3/18/2021 6/8/2022	P, N, Bacteria (FC & Entero)	No exceedances	Phoenix
O 22a	3/18/2021 6/8/2022	P, N, Bacteria (FC & Entero)	No exceedances	Phoenix
O 25	3/18/2021 6/8/2022	P, N, Bacteria (FC & Entero)	No exceedances	Phoenix
O 35	3/18/2021 6/8/2022	P, N, Bacteria (FC & Entero)	High Bacteria	Phoenix

0 35-1	P, N, Bacteria (FC & Entero)	High Bacteria	Phoenix
O 36	P, N, Bacteria (FC & Entero)	High Bacteria	Phoenix

### Part III: Additional IDDE Program Data

# 1. Assessment and Priority Ranking of Catchments data (Appendix B (A)(7)(c) / page 5)

Provide a list of all catchments with ranking results (DEEP basins may be used instead of manual catchment delineations).

# 2. Outfall and Interconnection Screening and Sampling data (Appendix B (A)(7)(d) / page 7)

## 2.1 Dry weather screening and sampling data from outfalls and interconnections

Provide sample data for outfalls where flow is observed. Only include Pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies.

020/22 - Rock	Thames (background sample)	035 - Baseball	035 - Track	035 - Tang	9-90 - 0-		035 - 484	035 - 433	022 - Shark	022 - 106	Outfall / Interconnection ID
8/22/2019 10:00	8/22/2019 13:40	8/22/2019 12:45	8/22/2019 13:10	8/22/2019 12:20		Ś,	8/22/2019 11:20	8/22/2019 11:25	8/22/2019 9:40	8/22/2019 10:30	Screening / sample date
<0.0500	0.094	0.38	0.71	0.646			0.168	<0.0500	0.0798	0.165	Ammonia
<0.05	<0.05	0.07	0.09	0.06			<0.05	<0.05	0.08	<0.05	Chlorine
280	Above limits	1010	980	2400		330		350	350	760	Conductivity
Δ	Unable to calculate	Δ	Δ	1.2		Δ	17-000-00	Δ	Δ	Δ	Salinity
<10/<10	<10/<10	70 / 290	10/<10	60/610		50 / 540	4	30 / 150	80/360	<10/10	E. coli or enterococcus
<0.0500	0.14	0.086	0.079	0.148			0.156	<0.0500	0.063	<0.0500	Surfactants
24.5	28.1	24.2	24.5	24.8		26.1		25.3	25.4	28.1	Water Temp
Bacteria	Bacteria	Bacteria	Bacteria	Bacteria		Bacteria		Bacteria	Bacteria	Bacteria	Pollutant of concern
					findings are all related to high-groundwater "Crystal Lake" site.	such as 549 tank replacement, suspect	O-35 complex is under investigation, including sampling and projects				If required, follow-up actions taken

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
020/022- 449	9/23/2019 9:30	2.32	<0.05	190	Δ	<10 / 28	0.79	21.6	Bacteria	Building check
037-519	9/23/2019 10:30	0.177	<0.05	20	Δ	150 / 50	0.139	22.9	Bacteria	
035-5-520	9/23/2019 11:00	0.408	<0.05	30	Δ	240 / 691	0.231	23.1	Bacteria	
035-461	9/23/2019 11:40	0.066	<0.05	500	Δ	100/39	0.051	19.6	Bacteria	
034-A571	9/23/2019 12:10	0.0613	0.08	1470	Δ	<10/1	0.056	22.7	Bacteria	
02-PR1	9/23/2019 13:00	0.0664	0.12	740	4	<10 / 722	0.089	23.8	Bacteria	Looked at Golf course area and surface flow, nothing found
011-SHARK	9/23/2019 13:20	0.106	0.07	1720	Δ	<10 / 232	0.099	22.2	Bacteria	
035-582	9/23/2019 14:00	<0.0500	0.05	300	Δ	<10 / 60	<0.0500	25.7	Bacteria	
035-4-518	9/26/2019 9:20	0.121	0.06	830	Δ	<10/6	0.14	21.9	Bacteria	
035-3-569	9/26/2019 9:50	0.403	<0.05	660	Δ	<10 / 261	<0.500	21.5	Bacteria	
026-84	9/26/2019 10:20	0.367	<0.05	70	Δ	<10/<1	ND	23.4	Bacteria	,
032-499	9/26/2019 11:20	2.54	<0.05	50	Δ	<10/10	0.116	21.7	Bacteria	Building check uphill, nothing found
035-9-434	9/26/2019 12:20	0.0627	<0.05	1320	Δ	50/33	<0.0500	19.0	Bacteria	
026-492	9/26/2019 13:00	<0.0500	<0.05	20	Δ	<10/37	<0.0500	21.9	Bacteria	
035-Tautog	9/26/2019 13:40	0.105	<0.05	1110	Δ	<10/68	0.085	21.8	Bacteria	and a difficulty of the second

### 2.2 Wet weather sample and inspection data

Provide sample data for outfalls and key junction manholes of any catchment area with at least one System Vulnerability Factor.

0 22a	0 22	0 21	O-20a	0 20	0 19	0 18	017a	0 17	0 16	015	0 13	0 12	011	0-10	0-9	0-8	0-7	0-6	0-5	0-4	0-3	0-2	01	Outfall / Interconnecti on ID
3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	6/8/2022	6/8/2022	6/8/2022	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	6/8/2022	6/6/2020	6/6/2020	6/6/2020	6/6/2020	6/6/2020	6/6/2020	6/6/2020	6/5/2020	6/5/2020	6/8/2022	Sample
0.12	0.09	0.14	0.05	0.08	0.30	0.23	0.13	0.10	0.15	0.13	0.23	0.12	0.21	0.35	0.14	0.29	0.19	0.24	0.36	0.28	0.11	0.31	0.42	Ammonia
0	0.01	0	0	0	0.04	0	0.11	0.01	0.20	0.22	0		0.33	0.01	0.03	0	0	0	0	0	0.06	0	0.16	Chlorine
E.E.	18.1	65.1	32.3	106	50.6	19.1	36.7	211.8	571	58	38.6	58.6	523.1	2385	18593	67	120.2	31.5	42.6	53.2	15674	817	690	Conductivity
0	0	0	0	0.1	0.02	0.01	0.02	0.1	0.3	0	0.01	0.02	0.25	1.23	11,06	0.03	0.06	0.01	0.02	0.02	9.18	0.4	0.34	Salinity
<10 / 462	243 / 20		<10/10	20 / 132	548 / 9800	1660 / >24200	521 / 4350	<10 / <10			No.	<10 / 20	2360 / 2280	<10/10	<10 / <10	<10 / <10	<10/10	<10 / <10	<10 / 20	<10/30	10 / 20	<10 / <10	457 / 1660	Fecal coliform / Enterococcus (Sampled on 3/18/2021)
0.10	0.11	<0.05	<0.05	<0.05	0.08	0.12	0.07	<0.05	0.28	0.12	0.06	0.18	0.1	0.64	0.52	0.06	0.19	0.12	0.28	0.22	0.64	<0.10	0.14	Surfactants
8,6	8.4	8.5	ω ω	8.4	19.5	19.7	19.7	8,6	.4	8.4	2,5	2,0	19	19.8	19.4	19	19.9	19.9	19.8	19.9	20.7	20.3	19	Water Temp C
Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Pollutant of concern

Outfall / Interconnecti on ID 0 22b 0 23 0 25	Sample date 3/18/2021 3/18/2021 3/18/2021 3/18/2021	Ammonia 0.09 0.10 0.10	Chlorine 0	Conductivity 176.7 73.4 63.3	Salinity  0.1  0	Fecal coliform / Enterococcus (Sampled on 3/18/2021) 20 / 52 10 / 10 364 / 41 <10 / 63	Surfactants 0.07 <0.05 <0.05	Water Temp C 8.6 8.3 8.7	
0 25 0 25a	3/18/2021	0.10	0 0	63.3	0 0	364 / 41 <10 / 63	<0.05	00 00	6
0 26	3/18/2021	0.07	0	19.0	0	<10 / 288	0.16	00	
O 26b	3/18/2021	0.09	0.01	90.7	0	109 / 74	<0.05	00 5	
0 27	3/18/2021	0.09	0	116.4	0.1	10 / 122	<0.05	8.6	
0 28	3/18/2021	0.12	0	176.1	0.1	<10 / 185	0.09	8.4	
0 29	6/8/2022	0.17	0.04	18.5	0.01	85 / 132	0.09	18.9	
0 31	6/8/2022	0.25	0.01	37.4	0.02	173 / 262	0.14	19.6	
0 32	6/8/2022	0.22	0.02	41.7	0.02	309/1110	0.09	19.7	
O 32a	6/8/2022	0.2	0	40	0.02	<10 / <10	<0.05	19.2	
0 33	6/8/2022	0.12	0.04	40	0.02	842 / 2610	<0.05	19.5	
O 33a	6/8/2022	0.16	0.07	54	0.02	279 / 2480	0.10	19.6	
O 33b	6/8/2022	0.21	0.02	33.7	0.01	1920 / 173	0.27	19.6	
0 34	6/8/2022	0.05	0.09	253	12	5790 / 2480	<0.05	18.5	
0 35	6/6/2020	0.22	0	40.6	0.02	135 / 504	0.07	19.1	
0 35-1	6/5/2020	0.06	0	637	0.31	<10/<10	<0.05	21.1	
0 35-2	6/8/2022	0.43	0.09	107.1	0.05	10 / 2480	0.08	19.6	
0 35-3	6/5/2020	0.11	0	633	0.31	73 / 52	0.14	19.5	
0 35-4	6/6/2020	0.1	0	388.2	0.19	<10/<10	0.07	18.9	
0 35-5	6/6/2020	0.13	0	120	0.06	30 / 294	0.08	19.7	
0 35-6	6/6/2020	0.19	0	0.2	0	<10 / <10	0.11	19.4	
0 35-7	6/6/2020	0.11	0	113.9	0.05	<10/10	<0.05	19.9	
0 35-8	6/6/2020	0.16	0	86.9	0.04	<10 / <10	0.09	19.6	
0 35-9	6/6/2020	0.24	0	137.3	0.06	<10 / <10	0.09	20.1	
0 35-10	6/8/2022	0.43	0.23	33.6	0.01	<10 / 122	0.08	19.7	
0 35-11	6/8/2022	0.48	0.12	34.4	0.01	3040 / 5170	0.15	18.7	
0 36	3/18/2021	0.35	0.04	5,480	3.4	<10/30	0.16	8.4	
0 37	3/18/2021	1.28	0.01	2352	1.2	<10 / 41	0.34	9.1	
0 39	6/8/2022	<0.05	O	403.9	0.19	259 / 211	0.1	17.9	
0 40	6/8/2022	<0.05	0	181.7	0.09	565 / 455	<0.05	17.7	

## 3. Catchment Investigation data (Appendix B (A)(7)(e) / page 9)

### 3.1 System Vulnerability Factor Summary

System Vulnerability Factors (SVF). If present, report which SVF's were identified. An example is provided below. For those catchments being investigated for illicit discharges (i.e. categorized as high priority, low priority, or problem) document the presence or absence of

Outfall	Receiving Water	System Vulnerability Factors
All	Thames River	SUBASE Catchment Assessments were conducted for our IDDE Program Plan and then ranked, based off of the SVF's listed helow. When documenting the presence of specific SVFs it was apparent SVF #10 (helow).
		applied universally to SUBASE, with very few isolated areas within a given catchment having significant
		updates/upgrades. As such, the entire Stormwater sewer system falls under the illicit discharge elimination
		screening program. Screening selection/baselines were conducted from 25-26 October 2016 and verified from 17
		July-15 August 2018. DA 35-5 ("Problem") and DA 22 ("High priority") were investigated, results below (Table 3.3
		& 3.4). Additionally, a contracted screening action ending 26 September 2019 added a single (potential) floor
		drain cross-connection within DA 32 (Bldg 499)—reasonable and prudent measures have been taken to minimize
		the discharge of pollutants through "plugs", and the site has been inducted for permanent correction, with
		verification sampling to follow. All repair actions have been completed, awaiting final verification sampling.

### Where SVFs are:

- History of SSOs, including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages.
- Sewer pump/lift stations, siphons, or known sanitary sewer restrictions where power/equipment failures or blockages could readily result in SSOs.
- Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints.
- Common or twin-invert manholes serving storm and sanitary sewer alignments.
- 5. Common trench construction serving both storm and sanitary sewer alignments
- Crossings of storm and sanitary sewer alignments.
- Sanitary sewer alignments known or suspected to have been constructed with an underdrain system;
- sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly piped connections between storm drain and
- Areas formerly served by combined sewer systems.
- Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.
- 11. Widespread code-required septic system upgrades required at property transfers (indicative of inadequate soils, water table separation, or other physical constraints of the area rather that poor owner maintenance)
- 12. History of multiple local health department or sanitarian actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather that poor owner maintenance).

## 3.2 Key junction manhole dry weather screening and sampling data

<0.05       <0.050         0.08       0.063         <0.05       <0.050         <0.05       0.148         0.09       0.079         <0.09       0.079         <0.05       0.14         <0.05       0.139         <0.05       0.231         <0.05       0.031         <0.05       0.051         <0.05       0.099         <0.05       0.099         <0.05       0.099         <0.05       0.04         <0.05       0.14         <0.05       0.14         <0.05       0.16         <0.05       0.116         <0.05       0.016         <0.05       0.016         <0.05       0.016         <0.05       0.016         <0.05       0.050         <0.05       0.050         <0.05       0.085         <0.05       0.085         <0.05       0.085         <0.05       0.085         <0.05       0.085         <0.05       0.085         <0.05       0.085         <0.05       0.085         <0.05 </th <th>Key Junction Manhole ID</th> <th>Sample date / Time</th> <th>Visual / olfactory evidence of Illicit discharge</th> <th>Ammonia mg/L</th> <th>Chlorine mg/l</th> <th>Surfactants mg/L</th>	Key Junction Manhole ID	Sample date / Time	Visual / olfactory evidence of Illicit discharge	Ammonia mg/L	Chlorine mg/l	Surfactants mg/L
-Shark         8/22/2019 9:40         Flow (~5 gpm)         0.0798         0.08           -433         8/22/2019 11:25         Flow (~5 gpm)         -0.0500         <0.05	022 - 106	8/22/2019 10:30	Flow (~5 gpm)		<0.05	<0.0500
-433         8/22/2019 11:25         Flow (~5 gpm)         <0.0500		8/22/2019 9:40	Flow (~5 gpm)	0.0798	0.08	0.063
-4844         8/22/2019 11:20         Flow (~1 gpm)         0.168         <0.05		8/22/2019 11:25	Flow (~5 gpm)	<0.0500	<0.05	<0.0500
nng         8/22/2019 12:20         Flow (~5-10 gpm)         0.646         0.06           ack         8/22/2019 13:10         Flow (~3-5 gpm)         0.71         0.09           sseball         8/22/2019 12:45         Flow (~3-5 gpm)         0.71         0.09           steakground         8/22/2019 10:00         N/A         0.094         <0.05           - Rock         8/22/2019 10:00         Flow (~10-15 gpm)         <0.0500         <0.05           2-449         9/23/2019 10:30         Flow (~1 gpm)         0.177         <0.05           2-2449         9/23/2019 11:00         Flow (~1 gpm)         0.066         <0.05           2-20         9/23/2019 12:10         Stream Flow (20+ gpm)         0.066         <0.05           71         9/23/2019 13:00         Stream Flow (20+ gpm)         0.0664         <0.05           2-23/2019 13:20         Stream Flow (20+ gpm)         0.0664         <0.05           2-23/2019 13:20         Stream Flow (~1 gpm)         0.0664         <0.05           2-23/2019 13:20         Flow (~1 gpm)         0.0564         <0.05           2-23/2019 13:20         Flow (~1 gpm)         0.0564         <0.05           2-23/2019 10:20         Flow (~1 gpm)         0.050         <0.05     <	035 - 484	8/22/2019 11:20	Flow (~1 gpm)	0.168	<0.05	0.156
rack         8/22/2019 13:10         Flow (~3-5 gpm)         0.71         0.09           aseball         8/22/2019 12:45         Flow (~3-5 gpm)         0.38         0.07           seball         8/22/2019 13:40         N/A         0.094         0.094           l         8/22/2019 13:40         N/A         0.094         <0.05		8/22/2019 12:20	Flow (~5-10 gpm)	0.646	0.06	0.148
sseball     8/22/2019 12:45     Flow (~3-5 gpm)     0.38     0.07       (background)     8/22/2019 13:40     N/A     0.094     <0.05	035 - Track	8/22/2019 13:10	Flow (~3-5 gpm)	0.71	0.09	0.079
(background         8/22/2019 13:40         N/A         0.094         <0.05           PROCK         8/22/2019 10:00         Flow (~10-15 gpm)         <0.0500         <0.05           2-449         9/23/2019 9:30         Flow (~1 gpm)         2.32         <0.05           2-2449         9/23/2019 11:00         Flow (~1 gpm)         0.177         <0.05           2-20         9/23/2019 11:00         Flow (~0.5 gpm)         0.408         <0.05           1         9/23/2019 11:40         Stream Flow (50+ gpm)         0.066         <0.05           71         9/23/2019 13:00         Stream Flow (20+ gpm)         0.0664         0.12           ARK         9/23/2019 13:20         Stream Flow (20+ gpm)         0.106         0.07           2         9/23/2019 13:20         Flow (~1 gpm)         0.0500         0.05           118         9/26/2019 9:20         Flow (~1 gpm)         0.121         0.06           69         9/26/2019 10:20         Flow (~1 gpm)         0.403         <0.05           9         9/26/2019 11:20         Flow (~1 gpm)         0.067         <0.05           9         9/26/2019 13:40         Flow (~1 gpm)         0.0627         <0.05           9         9/26/2019 13:40         <	035 - Baseball	8/22/2019 12:45	Flow (~3-5 gpm)	0.38	0.07	0.086
-Rock         8/22/2019 10:00         Flow (~10-15 gpm)         <0.0500         <0.05           2-449         9/23/2019 9:30         Flow (~1 gpm)         2.32         <0.05	Thames (background	8/22/2019 13:40	N/A	0.094	<0.05	0.14
-449       9/23/2019 9:30       Flow (~1 gpm)       2.32       <0.05	020/22 - Rock	8/22/2019 10:00	Flow (~10-15 gpm)	<0.0500	<0.05	<0.0500
9/23/2019 10:30 Flow (~1-3 gpm) 0.177 <0.05 20 9/23/2019 11:00 Flow (<0.5 gpm) 0.408 <0.05 9/23/2019 11:40 Stream Flow (50+ gpm) 0.066 <0.05 1 9/23/2019 12:10 Flow (~1 gpm) 0.0664 0.02 RRK 9/23/2019 13:20 Stream Flow (20+ gpm) 0.0664 0.12 9/23/2019 13:20 Stream Flow (20+ gpm) 0.106 0.07 RRK 9/23/2019 14:00 Flow (~1 gpm) 0.106 0.05  9/26/2019 9:20 Flow (~1 gpm) 0.121 0.05  9/26/2019 11:20 Flow (~1 gpm) 0.367 <0.05  9/26/2019 11:20 Flow (~1 gpm) 0.367 <0.05  9/26/2019 13:00 Flow (~1 gpm) 0.0627 <0.05  9/26/2019 13:40 Flow (~5-10 gpm) 0.105 <0.05  9/26/2019 13:40 Flow (~1-3 gpm) 0.059 <0.05  9/26/2019 14:20 Flow (~1-3 gpm) 0.005  9/26/2019 13:40 Flow (~1-3 gpm) 0.005  9/26/2019 14:20 Flow (~1-3 gpm) 0.005	020/022-449	9/23/2019 9:30	Flow (~1 gpm)	2.32	<0.05	0.79
20       9/23/2019 11:00       Flow (<0.5 gpm)	037-519	9/23/2019 10:30	Flow (~1-3 gpm)	0.177	<0.05	0.139
9/23/2019 11:40       Stream Flow (50+ gpm)       0.066       <0.05         1       9/23/2019 12:10       Flow (~1 gpm)       0.0613       0.08         9/23/2019 13:00       Stream Flow (20+ gpm)       0.0664       0.12         0,023/2019 13:20       Stream Flow (20+ gpm)       0.106       0.07         0,023/2019 14:00       Flow (~1 gpm)       0.0500       0.05         18       9/26/2019 9:20       Flow (~1 gpm)       0.121       0.06         69       9/26/2019 9:50       Flow (~1 gpm)       0.403       <0.05	035-5-520	9/23/2019 11:00	Flow (<0.5 gpm)	0.408	<0.05	0.231
9/23/2019 12:10       Flow (~1 gpm)       0.0613       0.08         9/23/2019 13:00       Stream Flow (20+ gpm)       0.0664       0.12         9/23/2019 13:20       Stream Flow (20+ gpm)       0.106       0.07         9/23/2019 14:00       Flow (~1 gpm)       <0.0500	035-461	9/23/2019 11:40	Stream Flow (50+ gpm)	0.066	<0.05	0.051
9/23/2019 13:00       Stream Flow (20+ gpm)       0.0664       0.12         9/23/2019 13:20       Stream Flow (20+ gpm)       0.106       0.07         9/23/2019 14:00       Flow (~1 gpm)       <0.0500	034-A571	9/23/2019 12:10	Flow (~1 gpm)	0.0613	0.08	0.056
9/23/2019 13:20       Stream Flow (20+ gpm)       0.106       0.07         9/23/2019 14:00       Flow (~1 gpm)       <0.0500	02-PR1	9/23/2019 13:00	Stream Flow (20+ gpm)	0.0664	0.12	0.089
9/23/2019 14:00       Flow (~1 gpm)       <0.0500	011-SHARK	9/23/2019 13:20	Stream Flow (20+ gpm)	0.106	0.07	0.099
9/26/2019 9:20       Flow (~100 gpm)       0.121       0.06         9/26/2019 9:50       Flow (~1 gpm)       0.403       <0.05	035-582	9/23/2019 14:00	Flow (~1 gpm)	<0.0500	0.05	<0.0500
59       9/26/2019 9:50       Flow (~1 gpm)       0.403       <0.05	035-4-518	9/26/2019 9:20	Flow (~100 gpm)	0.121	0.06	0.14
9/26/2019 10:20 Flow (<.1 gpm) 0.367 <0.05 9/26/2019 11:20 Flow (<1 gpm) 2.54 <0.05 34 9/26/2019 12:20 Flow (~1-2 gpm) 0.0627 <0.05 9/26/2019 13:00 Flow (~1 gpm) <0.0500 <0.05 tog 9/26/2019 13:40 Flow (~1-3 gpm) 0.105 <0.05 9/26/2019 14:20 Flow (~1-3 gpm) 0.289 <0.05	035-3-569	9/26/2019 9:50	Flow (~1 gpm)	0.403	<0.05	<0.500
9/26/2019 11:20 Flow (<1 gpm) 2.54 <0.05 34 9/26/2019 12:20 Flow (~1-2 gpm) 0.0627 <0.05 9/26/2019 13:00 Flow (~1 gpm) <0.0500 <0.05 tog 9/26/2019 13:40 Flow (~5-10 gpm) 0.105 <0.05 9/26/2019 14:20 Flow (~1-3 gpm) 0.289 <0.05	026-84	9/26/2019 10:20	Flow (<.1 gpm)	0.367	<0.05	ND
34 9/26/2019 12:20 Flow (~1-2 gpm) 0.0627 <0.05 9/26/2019 13:00 Flow (~1 gpm) <0.0500 <0.05 tog 9/26/2019 13:40 Flow (~5-10 gpm) 0.105 <0.05 9/26/2019 14:20 Flow (~1-3 gpm) 0.289 <0.05	032-499	9/26/2019 11:20	Flow (<1 gpm)	2.54	<0.05	0.116
40.0500       50.0500       50.0500       50.0500         50.05       50.05       50.05       50.05         60.05       60.05       60.05       60.05         70.05       70.05       70.05       70.05         80.05       70.05       70.05       70.05         80.05       70.05       70.05       70.05         80.05       70.05       70.05       70.05	035-9-434	9/26/2019 12:20	Flow (~1-2 gpm)	0.0627	<0.05	<0.0500
tog 9/26/2019 13:40 Flow (~5-10 gpm) 0.105 <0.05 9/26/2019 14:20 Flow (~1-3 gpm) 0.289 <0.05	026-492	9/26/2019 13:00	Flow (~1 gpm)		<0.05	<0.0500
9/26/2019 14:20   Flow (~1-3 gpm)   0.289   <0.05	035-Tautog	9/26/2019 13:40	Flow (~5-10 gpm)	0.105	<0.05	0.085
	032-168	9/26/2019 14:20	Flow (~1-3 gpm)	0.289	<0.05	0.204

## 3.3 Wet weather investigation outfall sampling data

DA 22	DA 35-5	Outfall
4/26/19 (5-year confirmation test due before 4/2024) 0.25	4/26/19 (5-year confirmation test due before 4/2024) 0.25	Sample date
0.25	0.25	Ammonia
.00 (6/6/2019)	.14/retest .02	Chlorine
0.13	0.11	Surfactants

# 3.4 Data for each illicit discharge source confirmed through the catchment investigation procedure

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Discharge location	Source location	Discharge description	Method of discovery	Date of discovery	Date of elimination	Mitigation or enforcement action	Estimated volume of flow removed
DA 35-5	Bldg 439	Floor drain in mech room appeared to flow to Storm sewer system	IDDE survey	Verified 24 Jul 2018	Verified 6 June 2019	Removed drain and plugged with concrete pour, re-routed likely only floor drains to known sanitary from HVAC use	Intermittent, likely only from HVAC use
DA 32	8ldg 499	Floor drain in mech room appears to flow to Storm sewer system	IDDE survey	Verified 5 Dec 2019	Verified 5 March 2021	Re-routed to nearby sanitary sewer, direct connection for condensate sources within mechanical room.	Intermittent, likely only from HVAC use

### Part IV: Certification

Connecticut General Statutes, and in accordance with any other applicable statute." offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for "I have personally examined and am familiar with the information submitted in this document and all attachments

	Signature / Date:	MICHRE BROWN	Chief Elected Official or Principal Executive Officer
Q	Signature pate:	Print name:	Document Prepared by

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