

CITY OF HAVERHILL, MASSACHUSETTS NPDES PERMIT No. MA0101621 CONSENT DECREE (Civil Action No. 16-11698-IT, 11/10/16)

COMPLIANCE REPORT No. 4 JANUARY THROUGH JUNE 2018

OCTOBER 2018

CITY OF HAVERHILL, MASSACHUSETTS NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT No. MA0101621 CONSENT DECREE (Civil Action No. 16-11698-IT, 11/10/2016) <u>COMPLIANCE REPORT No. 4</u> JANUARY THROUGH JUNE 2018

TABLE OF CONTENTS

SECTION

DESCRIPTION

PAGE

1	INTRODUCTION	
	1.1 Background	1-1
	1.2 Report Organization	1-1
	1.3 Certification Statement	1-2
2	IDDE Program	
	2.1 Introduction	2-1
	2.2 Current Revised Priority Listing	2-1
	2.3 IDDE Investigation Progress Reporting	2-2
	2.4 Identified Illicit Connections and Current Resolution Status	2-14
3	SSO AND BUILDING PRIVATE PARTY BACKUP EVENTS	3-1
4	CONSTRUCTION SITE INSPECTION AND	
	ENFORCEMENT PROGRAM	4-1
5	GENERAL STATUS	
	5.1 Introduction	5-1
	5.2 Issues of Noncompliance	5-2
	5.3 Looking Ahead - Six Month Forecast	5-2
6	SECONDARY TREATMENT BYPASS	
	6.1 Introduction	6-1
	6.2 Bypass Events	6-1

TABLE OF CONTENTS (CONTINUED)

7	CMOM-CORRECTIVE ACTION PLAN											
	7.1	Introduction	7-1									
	7.2	CMOM Corrective Actions	7-1									
	7.3	Additional CMOM-Related Activities	7-1									

APPENDICES

1

LIST OF TABLES

TABLE	DESCRIPTION	PAGE
2-1	PRIORITIZED LIST OF OUTFALL	
	SUB-AREA INVESTIGATIONS	2-4
2-2	SUMMARY OF IDDE INVESTIGATIONS OF SYSTEMS	
	WITH POTENTIAL ILLICIT CONNECTIONS BY BASIN .	2-6
2-3	OUTFALL MAINTENANCE PRIORITY TABLE	2-9
2-4	SUMMARY OF ILLICIT DISCHARGES IDENTIFIED	
	BY BASIN AND CURRENT STATUS	
	(JANUARY THROUGH JUNE 2018)	2-16
3-1	SANITARY SEWER OVERFLOW EVENTS	
	JANUARY THROUGH JUNE 2018	3-2
5-1	SUBMISSIONS WITHIN CURRENT REPORTING PERIOD	5-1
5-2	FUTURE DELIVERABLES DURING THE PROCEEDING	
	REPORTING PERIOD (JANUARY THROUGH JUNE 2018)	5-2
7-1	CMOM CORRECTIVE ACTION PLAN & STATUS	7-2
7-2	CMOM-RELATED ACTIVITIES THAT OCCURRED DURING	
	REPORTING PERIOD (JANUARY THROUGH JUNE 2018)	7-5

TABLE OF CONTENTS (CONTINUED)

LIST OF FIGURES

FIGURE	DESCRIPTION	PAGE
3-1	SSO AND BUILDING/PRIVATE PARTY BACKUP LOCATIONS	
51	JANUARY THROUGH JUNE 2018	3-3

INTRODUCTION

1.1 BACKGROUND

The United States Environmental Protection Agency (EPA), Massachusetts Department of Environmental Protection (MassDEP), and the City of Haverhill entered into a Consent Decree to require the City to take measures necessary to meet the requirements of the Clean Waters Act and the Massachusetts Clean Water Act, and to achieve and maintain compliance with the Small Municipal Separate Stormwater Sewer System (MS4) General Permit and the Publicly Owned Treatment Works (POTW) Permit, and all applicable federal and state regulations. The effective date of the Consent Decree is November 10, 2016.

As part of the Consent Decree, the City is required to submit a Compliance Report to EPA and MassDEP for the previous six-month period, referred to as a "Reporting Period." The bi-annual Reporting Periods run from January through June and July through December, with the Compliance Reports due on April 30th and October 31st for the previous period.

The goal of this Compliance Report is to provide the EPA and MassDEP an updated summary of the work performed by the City to achieve and maintain compliance over the course of the Reporting Period.

1.2 REPORT ORGANIZATION

The Compliance Report is divided into several sections including:

- IDDE Program
- SSO and Building/Private Party Backup Events
- Construction Site Inspection and Enforcement Program
- General Status
- Secondary Treatment Bypass
- CMOM Corrective Action Plan (per MassDEP request)

Each section summarizes the City's actions, activities, and events that have occurred over the previous Reporting Period in accordance with the Consent Decree.

1.3 CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Robert E. Ward Deputy DPW Director City of Haverhill, Massachusetts (date)

IDDE PROGRAM

2.1 INTRODUCTION

The City identified and inspected 1,200 stormwater/combined sewer overflow (CSO) outfalls as part of the 2014/2015 Stormwater Outfall Inspection Report. Based on the findings, the City established a draft schedule of prioritized inspections.

In 2017, the City prepared the "Illicit Discharge Detection and Elimination (IDDE) Manual." The manual identified the procedures that the City will follow to continue their comprehensive inspections of its stormwater outfalls, upstream system investigations, and enforcement procedures when an illicit connection is identified.

Most recently, the IDDE Manual was revised to include the EPA New England Bacterial Source Tracking Protocol. The IDDE inspection form was also revised to include previous rain end times, CMMS MaintStar work order and inspection numbers, additional asset flow and asset connection descriptions. The revised inspection form is attached to this Compliance Report in Appendix D.

The IDDE Manual can be found on the City's Stormwater website at: www.haverhillma.gov/departments/storm_water_program/index.php

2.2 CURRENT REVISED PRIORITY LISTING

The City continues to review and update its list of IDDE Investigation Priorities as field investigations are performed. The revisions include private outfalls that were confirmed and removed from the list. The City will continue to determine ownership of drainage outfalls and remove privately owned outfalls from its list of future outfall investigations and responsibilities under the IDDE program. As the City confirms the ownership of these outfalls, private outfalls owners will be notified as conditions warrant. For some discharges that were originally identified as MS4 drain system outfalls in the 2014/2015 Outfall Inspection Report, the City has

completed additional investigations and determined that these points are culverts with no connections. Accordingly, they have been removed from the list of City owned MS4 infrastructure and the IDDE Investigation Priorities List.

The Revised IDDE Investigation Priorities as of April 2018 is shown below in Table 2-1. There are now 31 outfalls with a High, Medium, or Low Priority; 24 Outfalls with non-bacteria indicators; and 8 outfalls requiring follow-up investigations. This list of priorities will change as the investigations progress.

It is important to note that these IDDE priorities were developed based on the City's November 2016 Consent Decree requirements. The 2018 NPDES General Massachusetts MS4 Stormwater Permit for Haverhill requires a different approach to prioritizing system investigations. As the City develops its Stormwater Management Plan, and revises its IDDE Manual, to meet the requirements of the new NPDES permit, the priority list will be updated

2.3 IDDE INVESTIGATION PROGRESS REPORTING

Table 2-2 shows the City's progress to date on their IDDE investigations during the reporting period (January through June 2018).

Using GIS, the City identified a total of 25.8 miles of storm drain piping and 2,665 drainage manholes in the tributary area upstream of the outfalls included in the Priorities List as Low, Medium, and High priorities. As the other priorities are investigated, their characteristics will be added to the table. The identified lengths of drain pipe and number of manholes for each basin are shown in Table 2-2, as well as the number of each that have been addressed by the IDDE investigations during the reporting period. A cumulative total for the IDDE Program is also included and has been updated from the previous Compliance Reports.

Investigations by the City were performed using a bottom up approach to look for dry weather connections. Manholes and piping were investigated upstream from the outfall until dry weather flow was no longer observed. For some outfalls, the entire inventory of pipes and manholes in that catchment area may not have been physically inspected, however, because there was no upstream observed dry weather flow, the City assumed that there are no illicit connections further upstream and is marking that catchment's investigations as 100% complete.

As summarized in Table 2-2, the City has currently addressed 47% and 54% of the identified drain piping and manholes, respectively for the High, Medium, and Low Priorities. Table 2-2 lists both the upstream basin investigations that took place over the reporting period and the total to date.

Over the Compliance Reporting Period (January through June 2018), the City has continued to re-inspect, locate and/or unbury outfalls on the Outfall Maintenance Priority Table (Table 2-3). Seven outfalls were re-inspected, located, and/or unburied. The City is continuing to complete all high priority maintenance outfalls first and will then work on completing all medium priority outfalls.

Table 2-1 PRIORITIZED LIST OF OUTFALL SUB-AREA INVESTIGATIONS (BASED ON OUTFALL INSPECTION PROGRAM) 2014-2018 Dry-Weather MS4/Stormwater Outfall Inspection Program Summary of Water Quality Testing of Dry Weather Flow at MS4/CSO Outfalls

					Field Inspection Information																	
								Drv-We	eather Flow Cl	naracteristics					Field Paramete	r Test Results				Coliform Laboratory S	ampling/Analy	/sis
						Dry Weather								TT							apg,/ a.a.,	Entrocuccus/Fecal
		Outfall	nformation			Dry Weather															E.Coli	(MPN/ 100 ml)
						< 24 <48						Sample	Sample			Ammonia	Surfactants	Chlorine	Sample Date for	Previous Rainfall	(MPN/	
GIS Identifier	Diameter	Material	Outfall Location	Owner-ship	Date	hours hours	Flow Description	Odor	Color	Floatables	Turbity	Time	Temp (F)	pH (Conduct- ivity	(mg/l)	(mg/l)	(mg/l)	Bacteria	(Sample)	100 ml)	
										High	n Priority											
UNK0955	36"	RCP	South Main St(Dominator		9/29/2014		MODERATE	NONE	CLEAR	NONE	NONE	1058	69.2	7.54	1673	0	0.5		9/21/2015	0.1" on 9/13/2015	>48,000	
			Plaza)																			
				City																		
MR24314	24"	RCP	Groveland Street/Water Street		9/2/2015		NO INFORMATION	RANCID/SO	BROWN,	GREASE	CLOUDY	800	70.1	7.6	1009	0	3	0	9/9/2015	0.19" ON 8/23/15	>24,000	>24,190
DI 0001	20"	DCD	Main St. @ March Ave	City	10/6/2014			UR	YELLOW			840	50	7.00	1100	0	2		0/0/2015	0.40" ON 9/22/45	. 24 000	
FL0091	30	RUP	Main St @ Marsh Ave	City	10/0/2014		TRICKLE	SEWERAGE	GRAT	OTHER (DEBRIS)	CLOUDT	040	50	7.30	1125	0	3		9/9/2015	0.19 01 6/23/13	>24,000	
MR1109	12"	RCP	350 Water Street	City	10/26/2015		TRICKLE	**	NONE	NONE	NONE	930	59.3	7.31	3	0	0	0	12/10/2015	0.1" ON 12/3/15	1413.6	> 2420
UNK1767	36"	CMP	Tudor Ct	City	10/10/2014		TRICKLE	NONE	CLEAR	DEBRIS	CLEAR	1055	60.6	7.41	373	0	0.25		9/21/2015	0.1" on 9/13/2015	14,000	
UNK0951	48"	RCP	61 Brook St		9/29/2014		MODERATE	NONE	CLEAR	NONE	CLEAR	900	65.5	7.98	334	0	0.25		9/9/2015		4,611	
DDI10046	40"	DCD	Llich Cohool	City	11/5/2015			NONE	NONE	NONE	NONE	045	50.4	7.00	840	0	0.25	0	10/10/2015	0.4" ON 42/2/45	. 0400	
DP110946 MR1141	48"	RCP	High School Merrimac River (River St)	City	9/23/2015			NONE		OTHER (DIRT)	CLEAR	815 945	56.4 62	7.22	849 694	0	0.25	0	9/30/2015	0.1" ON 12/3/15 0.01" ON 9/29/14	>2420	
DP00696	12"	RCP	Pamela Lane	City	6/5/2015		MODERATE	NONE	NONE	NONE	NONE	1010	64.2	6.75	365	0	0	0	6/12/2015	0.1" ON 6/6/15	>2,419	
MR1138	36"	RCP	Merrimac River (River St)		9/23/2014		TRICKLE	NONE	CLEAR	OTHER (DIRT)	CLEAR	920	58.6	7.24	613	0	0		9/30/2014	0.01" ON 9/29/14	2420	
				City																		
		r			T	.	0		-	Mediu	im Priority		1	<u> </u>		-			0			
LR1260	3'x4'	OTHER,	140 Hale Street	0.4	9/28/2015		NO INFORMATION	NONE	NONE	NONE	NONE	1040	69.9	7.1	927	0	0.5	0	11/4/2015	0.02" ON 11/1/15	1986.3	
LINK1166	34"	BIOCKS	8 Franzone Dr	Private	9/30/2014		MODERATE	NONE		NONE	CLEAR	850	59.5	7 25	1/37	0	0		10/6/2014	0.12" ON 10/4/14	1200 7	
UNK1177	48"	RCP	Franzone Dr	City	9/30/2014		TRICKLE	NONE	CLEAR	NONE	NONE	1105	59	7.05	1537	0	0.25		10/6/2014	0.12" ON 10/4/14	1299.7	
DPI1074	24"	RCP	Amy Lynne Lane	Private	6/7/2015	Х	NO INFORMATION	NONE	NONE	NONE	NONE	905	61.5	6.97	700	0	0	0	7/7/2015	0.02" ON 7/4/15	1218	
JC1028	15"	RCP	Kali Way	Private	10/7/2014		TRICKLE	NONE	CLEAR	NONE	CLEAR	950	67.3	7.4	433	0	0	-	10/20/2014	0.02" ON 10/18/14	1046.2	
LR0993	16"	CMP	100 Newark Street	City	11/7/2015		MODERATE	NONE	NONE	NONE	NONE	840	59.6	6.81	765	0	0	0	12/1/2015	0.39" ON 11/28/15	1046.2	33.6
1101/21925	15"	D\/C	Proodwov	City	6/10/2015	1 1		NONE	NONE	NONE	NONE	025	60	7.09	240	0	0		6/12/2015	0.1" ON 6/6/15	090.4	l I
LR1103	15	RCP	Bennington St	City	9/10/2013		TRICKLE	NONE	CLEAR	NONE	NONE	830	68.1	7.35	683	0	0	0	9/16/2014	0.18" ON 9/13/14	920.8	
BZB0847	15"	RCP	Fermanagh St	City	10/20/2014		TRICKLE	NONE	CLEAR	NONE	NONE	1306	60	7.7	287	0	1		11/13/2014	0.06" ON 11/7/2014	770.1	
MR20718	10"	RCP	1 Water Street	City	8/14/2015		NO INFORMATION	NONE	NONE	NONE	NONE	1000	78	7.99	2		0	0	8/31/2015	0.19" ON 8/23/15	556	631
MR1164	36	RCP	Water Street	City	8/25/2015	×		NONE		NONE	NONE	005	72.2	7.6	2	0	0	0	08/31/2015	0.19" ON 8/23/15	461	< 10
DP01079	24	RCP	Arny Lynne Lane	Private	0/7/2015	^	TRICKLE	NONE	NONE	NONE	NONE	905	61.0	6.97	700	U	U	0	////2015	0.02 ON 7/4/15	430	
FBO0638	12"	RCP	Hilldale Ave.	City	6/27/2015		TRICKLE	NONE	NONE	NONE	NONE	945	64.5	6.91	453	0	0	0	7/7/2015	0.02" ON 7/4/15	435.2	
UNK0668	18"	RCP	Danielle Drive	City	6/8/2015		TRICKLE	NONE	NONE	NONE	NONE	930	63.5	6.37	502	0	0	0	6/12/2015	0.1" ON 6/6/15	435.2	
PL1222	36"	RCP	West Gile St.	City	5/20/2015			NONE	NONE	NONE	NONE	825	65.4	7 84	548 815	0	0.25	0	6/5/2015	1.38" ON 6/2/15	410.6	
UNK1063	15"	RCP	Crystal Ct.	Private	5/26/2014		TRICKLE	NONE	NONE	NONE	NONE	1015	66	7.6	49	0	0	0	6/5/2015	1.38" ON 6/2/15	344.8	
MR32720	36"	RCP	782/775 River Street	City	11/16/2015		TRICKLE	NONE	NONE	NONE	NONE	900	57.2	7.31	7	0	0	0	12/1/2015	0.39" ON 11/28/15	325.5	
UNK0836	6'	RCP	Beechwood Drive	City	6/6/2015	Х	TRICKLE	NONE	NONE	NONE	NONE	1025	57.2	7.2	385	0	0	0	7/7/2015	0.02" ON 7/4/15	325.5	
MR0982 MR23012	18"	CLAY	20 Back Lane	City	10/14/2015			NONE	NONE	NONE	NONE	015 015	63.1 55.1	7.25	3	0	0	0	11/4/2015 8/31/2015	0.02" ON 11/1/15	547.5	183.5
WIR23912	0	SILLL	120 Wellinack St	Only	0/21/2013	<u> </u>	TRICKEL	NONL	Othor	Prioritios (base	d on non-hactori	a roculte)	55.1	0.71	0	0	0	0	0/31/2013	0.19 01 0/23/13	12.1	140
MR1140	15"	PCP	Pivor St	City	0/22/2014	T T	TRICKLE	NONE				a results)	42.6	0 10	494	0	0	T	11/12/2014	0.06" ON 11/7/2014	62.4	1
LRO0995	18"	RCP	Newark St	City	9/10/2014		TRICKLE	NONE	CLEAR	NONE	CLEAR	915	42.0	7.41	120	0	0.75		10/14/2014	0.18" ON 10/11/14	52	
MR0834	48"	RCP	Merrimac River (Bradley Ave)	City	9/19/2014		MODERATE	NONE	CLEAR	NONE	NONE	831	50	7.6	295	0	0		11/13/2014	0.06" ON 11/7/2014	43.2	
UNK0883	12"	CMP		City	9/24/2014		TRICKLE	NONE	CLEAR	NONE	NONE	925	64.7	7.41	224	0	0.25		10/20/2014	0.02" ON 10/18/14	28.8	
MR0662	18"	RCP	Aluga as Ot	City	9/25/2014		TRICKLE	NONE	CLEAR	NONE	NONE	1120	65.4	7.5	475	0	0.25		10/6/2014	0.12" ON 10/4/14	23.8	
LKU963	15"	HUPE	Alvanos St	C***	9/11/2014		MODERATE	NONE	CLEAR	NONE	CLOUDINESS	1015	08.1	1.87	855	U	0.25		9/16/2014	0.18" UN 9/13/14	22.6	
CB1198	NA	RCP	Research Dr	City	11/4/2014	<u>├</u> ──	MODERATE	NONE	CLEAR	NONE	CLEAR	1003	50.2	7.06	208	0	0.25		11/13/2014	0.06" ON 11/7/2014	21.3	
MR0770	36"	RCP	Merrimac River (River St)	City	9/23/2014		TRICKLE	NONE	CLEAR	NONE	CLEAR	930	60.6	7.86	713	0	0.25		9/30/2014	0.01" ON 9/29/14	19.9	
UNK1836	36"	RCP	Computer Dr	City	11/6/2014		MODERATE	NONE	CLEAR	NONE	CLEAR	850	53.7	7.48	3	0	0.5		11/13/2014	0.06" ON 11/7/2014	18.3	
FP7115	12"	RCP	Brickett Ln	City	5/18/2015		NO INFORMATION	NONE	BROWN	OTHER	CLOUDY	920	56	7.4	6	0	0.5	0.25	5/22/2015	0.07" ON 5/19/15	8.4	
DP00657	15" 45"	RCP	44 Sarah J Circle	City	6/9/2015	×		NONE	NONE	NONE	SUGHT	925	05.3 65.4	6.94	206	0	0	0.25	7/7/2015	0.02" ON 7/4/15	5.2 4 1	
2. 00007	-10			City	0,0,2010		THOREE		I I I I I I I I I I I I I I I I I I I	HOILE	CLOUDINESS	020	00.4	0.04	200	Ŭ	Ŭ	Ŭ		5.52 OIT 1/-1/10	-7.1	
UNK1011	24"	RCP	Lake Street	City	6/8/2015		TRICKLE	NONE	NONE	NONE	NONE	915	59.3	6.95	794	0	0.25	0	6/12/2015	0.1" ON 6/6/15	3.1	
UNK0627	15"	RCP		City	5/21/2015		NO INFORMATION	NONE	NONE	NONE	NONE	840	64.5	6.82	791	0	0	0.25	5/22/2015	0.07" ON 5/19/15	2	

					Field Inspec	tion Information	on															
								Drv-W	eather Flow C	haracteristics					Field Paramete	er Test Results	•			Coliform Laboratory S	ampling/Anal	/sis
		Outfall I	nformation			Dry Weathe	r					-									E.Coli	Entrocuccus/Fecal (MPN/ 100 ml)
						< 24 < 48						Sample	Sample			Ammonia	Surfactants	Chlorine	Sample Date for	Previous Rainfall	(MPN/	
GIS Identifier	Diameter	Material	Outfall Location	Owner-ship	Date	hours hour	s Flow Description	Odor	Color	Floatables	Turbity	Time	Temp (F)	рН	Conduct- ivity	(mg/l)	(mg/l)	(mg/l)	Bacteria	(Sample)	100 ml)	
									Othe	r Priorities (base	d on non-bacteria	a results)										
DPI0947	18"	RCP	177 Brook Street	City	10/31/2015		MODERATE	RANCID/	NONE	NONE	NONE	800	52.3	7.4	283	0	0	0	12/10/2015	0.1" ON 12/3/15	1	
UNK1189	NA	NA	Primrose St (Dow)	City	9/12/2014		TRICKI F	NONE	CLEAR	NONE	CL FAR	1025	64 7	7 86	343	0	0.25		9/16/2014	0.18" ON 9/13/14	<1	
TS0984	24"	RCP	·	City	5/11/2015		MODERATE	NONE	BROWN	NONE	SLIGHT	1111	62.2	6.81	76	0	0	0.25	5/22/2015	0.07" ON 5/19/15	<1	
TS0989	24"	RCP	Newton Rd	City	5/18/2015		SUBSTANTIAL	NONE	Clear	NONE	SLIGHT CLOUDINESS	1100	63.3	7.2	48	0	0	0.25	5/22/2015	0.07" ON 5/19/15	<1	
UNK1020	24"	RCP		Private	9/30/2014		TRICKLE	NONE	NONE		SLIGHT CLOUDINESS	840	44.9	7.77	301	0	0		11/13/2014	0.06" ON 11/7/2014	34.1	
UNK1750	24"	RCP	36 Magnavista	City	5/18/2015		TRICKLE	NONE	NONE	NONE	NONE	955	64.7	7.6	574	0	0	0.25	5/22/2015	0.07" ON 5/19/15	<1	
UNK1040	24"	RCP	Gile St.	City	5/20/2015		TRICKLE	NONE	ORANGE	NONE	SLIGHT	930	63.1	7.3	877	0	0.25	0	5/22/2015	0.07" ON 5/19/15	<1	
UNK0902	40"	CMP	Shelley Rd	City	9/24/2014		MODERATE	NONE	CLEAR	OTHER (RUST)	CLEAR		62.6	7.02	1567	0	0.25					
UNK1680	15"	HDPE	Colonial Farm Road	Private	6/27/2015		TRICKLE	NONE	BROWN	NONE	NONE		66.9	6.9	238	0	0	0				
DPI1007	54"	CMP	Kenilworth Ln	#N/A	10/10/2014		TRICKLE	NONE	CLEAR	OTHER (DIRT/DEBRIS)	CLEAR	1040	51.5	7.86	471	0	0.25					
					1		II	Needs	Follow-up T	esting (City has at	tempted to make for	ollow-up vis	its to these	sites bu	It there was n	o flow)			Ш			
UNK0848	18"	RCP	Woodrow Ave	City	5/15/2015		SUBSTANTIAL	NONE	NONE	NONE	NONE	1	69.3	7.38	2	0	0	0		I		
FBO0723	18"	RCP	Hanna Ridge Rd.	City	5/28/2015		TRICKLE	NONE	NONE	NONE	NONE		77	7.49	385	0	0	0				
UNK0888	NA	NA	West Lowell Street	City	6/12/2015		MODERATE		-	-	-											
UNK1188	32"	RCP	Primrose Street	City	ken pipe nee	ds to be re-insp	ec															
MR38714	6"	PVC		City	3/9/2016		TRICKLE												1			
MR38712	36"	RCP	Merrimack River	City	3/9/2016		TRICKLE												1			
MR38718	18"	RCP	Merrimack River	City	3/9/2016		MODERATE															
LR39512	48"	RCP	Little River	City	3/31/2016		MODERATE					1130							4/1/2016	0.7" ON 3/28/16		Fecal - 5

NOTE:

Data exceeds one of the parameter thresholds that suggest it should be added to the IDDE program

Laborary Sampling Dates in Red are the samples taken with less than 48 hours of dry weather.

TABLE 2-2 SUMMARY OF IDDE INVESTIGATIONS OF SYSTEMS WITH POTENTIAL ILLICIT CONNECTIONS BY BASIN (BASED ON OUTFALL INSPECTION PROGRAM) 2014-2018 Dry-Weather MS4/Stormwater Outfall Inspection Program REVISED (September 2018) IDDE INVESTIGATION PRIORITIES

					Current R	Report Period		Completed to Date					
					January 201	18 to June 2018		Including this Reporting Period					
Basin ID	Outfall ID	Existing Sys	stem Estimates		Upstream Bas	sin Investigations			Upstream Ba	sin Investigation	ns		
		Length	Number of	Pipe	Percent	Manholes	Percent	Pipe	Percent	Manholes	Percent		
		of Pipe (ft)	Manholes	(ft)	Completed		Completed	(ft)	Completed		Completed		
Buswell Brook	BZB0847	1,697	46										
Buswell Brook TOTAL		1,697	46	0	0%	0	0%	0	0%	0	0%		
Creek Brook	CB1193	70	0	70	100%			70	100%				
	CB1198	144	1										
	CB1710	71	0	71	100%			71	100%				
Creek Brook Outlet TOTAL		285	1	141	49%	0	0%	141	49%	0	0%		
Detention Bond Outlet	DP00657	422	7										
Detention I ond Outlet	DP00696	61	2					61	100%	2	100%		
	DPO1079	37	2					01	10070	2	10070		
Detention Pond Outlet TOTAL	DIGIGITY	520	11	0	0%	0	0%	61	12%	2	18%		
			2-Feb		070	•	070		12 / 0	-	1070		
Detention Pond Inlet	DPI0946	7.421	172					7,421	100%	172	1		
	DPI0947	1.360	11										
	DPI0969	1.515	10										
	DPI1007	1,634	24										
	DPI1074	694	7										
	DPI1094	22	0	22	100%			22	100%				
Detention Pond Inlet TOTAL		12,646	224	22	0%	0	0%	7,443	59%	172	77%		
Fishing Brook	FBO0638	852	24										
Fishing Brook TOTAL		852	24	0	0%	0	0%	0	0%	0	0%		
Even's Dond	ED7115	72	1										
Frey's Pond TOTAL	11/115	72	1	0	0%	0	0%	0	0%	0	0%		
		12	-	0	070	U	070	0	070	U	078		
Johnston's Creek	JC1028	1.397	26										
Johnston's Creek TOTAL		1,397	26	0	0%	0	0%	0	0%	0	0%		
Little River	LR0952	7,268	170										
	LR0963	703	2										
	LR0993	539	8										
	LR0995	822	0										
Little River	LR1103	4,418	62										
	LR1260 ¹	26,134	614					6,214	24%	146	24%		
Little River TOTAL		39,884	856	0	0%	0	0%	6,214	16%	146	17%		

TABLE 2-2 CONTINUED

					Current R	eport Period		Completed to Date					
					January 201	8 to June 2018		Including this Reporting Period					
Basin ID	Outfall ID	Existing Sys	tem Estimates		Upstream Bas	in Investigations		Upstream Basin Investigations					
		Length	Number of	Pipe	Percent	Manholes	Percent	Pipe	Percent	Manholes	Percent		
		of Pipe (ft)	Manholes	(ft)	Completed		Completed	(ft)	Completed		Completed		
Merrimack River	MR0662	210	2										
	MR0770	2,980	18										
	MR0834	756	8										
	MR0982	128	6										
	MR1109	941	26										
	MR1138	289	18					289	100%	18	100%		
	MR1140	90	2										
	MR1141 ¹	3,899	104					3,899	100%	104	100%		
	MR1164	1,746	116					1,746	100%	116	100%		
	MR20718	NA						,					
	MR23912	0	0										
	MR24314	541	24					541	100%	24	100%		
	MR32720	NA											
Merrimack River TOTAL		11,580	324	0	0%	0	0%	6,475	56%	262	81%		
		Í						,					
Pentucket Lake	PL0891	5,463	128					5,463	100%	128	100%		
	PL1222 ¹	3,292	102					65	2%	2	2%		
Pentucket Lake TOTAL		8,755	230	0	0%	0	0%	5.528	63%	130	57%		
		3,722	200		0,0	Ŭ	0,0	0,020	0070	100	0170		
Tilton Swamp	TS0984	52	0										
P	TS0989	3,893	12										
Tilton Swamp		3,945	12	0	0%	0	0%	0	0%	0	0%		
Unknown	UNK0627	254	3										
	UNK0661	410	14										
	UNK0668	854	36										
	UNK0788	869	16					869	100%	16	100%		
	UNK0836	842	22										
	UNK0883	570	1										
	UNK0898	91	0	91	100%			91	100%				
	UNK0902	54	0										
	UNK0951	1,910	34					1,910	100%	34	100%		
	UNK0953	225	0	225	100%			225	100%				
	UNK0954	81	0	81	100%			81	100%				
	UNK0955	6,058	146					6,058	100%	146	100%		
	UNK1011	5306	14										
	UNK1020	71	4										
	UNK1040	1,414	7										
	UNK1063	49	2										
	UNK1166 ¹	1,079	28					77	7%	2	7%		
	UNK1177	156	4										
	UNK1188	25,926	470					25,926	100%	470	100%		
	UNK1189	2,043	4										
	UNK1680	719	8										
	UNK1750	1,239	13										
	UNK1767	2,077	52					2,077	100%	52	100%		

TABLE 2-2 CONTINUED

					Current R	eport Period		Completed to Date					
					January 201	8 to June 2018			Including this Reporting Period				
Basin ID	Outfall ID	Existing Sys	tem Estimates		Upstream Bas	in Investigations			Upstream Ba	sin Investigation	ns		
		Length	Number of	Pipe	Percent	Manholes	Percent	Pipe	Percent	Manholes	Percent		
		of Pipe (ft)	Manholes	(f t)	Completed		Completed	(ft)	Completed		Completed		
Unknown	UNK1835	761	20										
	UNK1836	1,179	12										
	UNK1886	20	0	20	100%			20	100%				
	UNK1887	20	0	20	100%			20	100%				
	UNK1888	21	0	21	100%			21	100%				
	UNK1889	21	0	21	100%			21	100%				
Unknown TOTAL		54,319	910	479	1%	0	0%	37,396	69%	720	79%		
West Meadow Brook	WMB0738	80	0	80	100%			80	100%				
	WMB0739	80	0	80	100%			80	100%				
	WMB0740	82	0	82	100%			82	100%				
	WMB0759	20	0	20	100%			20	100%				
West Meadow Brook TOTAL		262	0	262	100%	0	0%	262	100%	0	0%		
GRAND TOTAL		136,214	2,665	904	1%	0	0%	63,520	47%	1,432	54%		
		25.80mi.		0.17mi.				12.03mi.					

¹ Estimate Base upon Percentage of Manholes Inspected

TABLE 2-3 OUTFALL MAINTENANCE PRIORITY TABLE January Through June 2018

	Work Order	High P	riority	Medium Priority		L	low Priority			Increation	
Outfall ID	Number	Could Not Locate	Buried	Fully Submerged	Partially Submerged	Fully Submerged in Water	Partially Submerged in Water	Abnormal Vegatation	Outfall Damage	Number	Inspection Date
DPI1056	ST00000521	Х		in Sediment	in Sediment	Water	Water			STI0001317	June-18
KL1227	ST00001275	Х								STI0001327	June-18
LR1101	ST00001276	Х								STI0001319	June-18
UNK1015	ST00001278	Х								STI0001325	June-18
UNK1016	ST00001279	Х								STI0001324	June-18
UNK1035	ST00001280	Х								STI0001322	June-18
BB0789	ST00000507		Х								
DPI0942	ST00000517		Х								
DPI0943	ST00001281		Х								
DPI0944	ST00000518		Х								
DPO1225	ST00000525		Х								
LR1150	ST00001282		Х								
MR0778	ST00000536		Х								
MR1224	ST00000540		Х								
UNK0888	ST00000478		Х								
UNK0889	ST00000554		Х								
UNK0905	ST00000556		Х								
UNK0997	ST00000560		Х								
UNK1033	ST00000562		Х							STI0001321	June-18
UNK1136	STI0001311		Х								
UNK1207	STI0001312		Х								
UNK1221	ST00000568		Х								
UNK16712	ST00000571		Х								
UNK1907	STI0001313		Х								
UNK35912	STI0001314		Х								
UNK1773	\$10000575		Х								
UNK1774	\$10000576		X								
BZB0959	S10000508			X							
CB1196	ST00000510			X							
CB1895	ST00000512			X							
DPI0655	ST00000514			X							
DPI1008	ST00000520			X							
DP01086	ST00000523			X							
DP01134	ST00000524			A V							
FP/112 ID1170	ST00000529										
VI 1220	ST00001152			A V							-
L1250	ST00001132										
LK0644	ST00001283			A V							-
MP1066	ST00001285			A V							
MR1278	ST00000541			X							
MR1278 MR24329	ST00000544			X							
SB11512	ST0000545			x							-
SB11512	ST00000546			X							
TS0987	ST00000548			X							
UNK0064	ST00000551			X							
UNK0782	ST00000553			Х							
UNK0935	ST00000558			Х							
UNK0957	ST00000559			Х							
UNK1017	ST00000561			Х							
UNK1076	ST00000563			Х							
UNK1137	ST00000564			Х							
UNK1169	ST00000565			Х							
UNK1183	ST00000566			Х							
UNK1678	ST00000572			Х							
UNK1748	ST00000573			Х							
UNK1772	ST00000574			Х							
UNK1906	ST00000580			Х							
UNK25513	ST00000583			Х							
UNK31513	ST00000584			Х						ĺ	
MR22312	ST00000543			Х							

	Work Order _	High Priority		Medium Priority		L	ow Priority		Inspection	Increation Data	
Outfall ID	Number	Could Not Locate	Buried	Fully Submerged	Partially Submerged	Fully Submerged in Water	Partially Submerged in Water	Abnormal Vegatation	Outfall Damage	Number	Inspection Date
CB1148	ST00000591			in Sediment	X	water	water				
CB1199	ST00000595				Х						
CB1200	ST00000596				Х						
CB1201	ST00000597				Х						
CL0681	ST0000600				Х						
CL0683	ST0000601				Х						
CL0690	ST00000602				X						
CL0701	ST00000605				X						
DPI0634	ST00000606				X						
DPI0636	ST00000607				X						
DPI0841	ST0000608				Х						
DPI0965	ST0000609				Х						
DPI1001	ST00000612				Х						
DPI1004	ST00000613				Х						
DPI1081	ST00000615				Х						
DPI1090	ST00000617				X						
DPI1142	ST00000620				X						
DP01018 FB00721	ST00000623				X						
FP7114	ST00000629			-	X						
FP7115	ST0000630				X						
KL0930	ST0000632				Х						
KL30718	ST0000634				Х						
LR0931	ST0000635				Х						
LR1099	ST0000636				Х						
LR1102	ST0000637				Х						
LR1251	ST00000641				X						
MR1275	ST00000645				X						
MR21912 MR22512	ST00000648				X						
MR23513 MP23514	ST00000651				X						
MR23514	ST00000652			-	X						
MR23516	ST0000653				Х						
MR23517	ST00000654				Х						
MR23518	ST0000655				Х						
MR23519	ST0000656				Х						
MR23520	ST00000657				Х						
MR23521	ST00000658				X						
MR23522	ST00000659				X						
MR23523 MP23524	ST00000661				X						
MR23524 MR23525	ST00000662				X						
MR24316	ST0000663				X						
MR24318	ST0000664				Х						
MR24718	ST00000665				Х						
MR5112	ST00000666				Х						
PL1181	ST00000667				Х						
SB1117	ST00000668				X						
TS0938	ST00000669				X						
1530/13 UNK0626	ST00000671				X V						
UNK0631	ST00000675				A X						
UNK0645	ST00000676				X						
UNK0663	ST00000677				X						
UNK0667	ST00000680				Х						
UNK0669	ST00000682				Х						
UNK0670	ST00000683				Х						
UNK0671	ST00000684				Х						
UNK0672	ST00000685				Х						
UNK0674	ST00000687				X						
UNK0756	S10000691				X				2-		
UNK0862	ST0000095				A V						
UNK0866	ST00000699				X						

	Work Order	High P	riority	Medium Priority		L	ow Priority			Inspection	
Outfall ID	Number	Could Not Locate	Buried	Fully Submerged in Sediment	Partially Submerged in Sediment	Fully Submerged in Water	Partially Submerged in Water	Abnormal Vegatation	Outfall Damage	Number	Inspection Date
UNK0882	ST00000700				Х						
UNK0885	ST0000701				Х						
UNK0903	ST00000704				Х						
UNK0949	ST00000705				Х						
UNK0950	ST0000706				Х						
UNK0962	ST00000709				X						
UNK1000	ST00000710				X						
UNK1005	ST00000711				X						
UNK1006	ST00000712				X						
UNK1047	ST00000714				X V						
UNK1091	ST0000716				X						
UNK1111	ST00000717				X						
UNK1123	ST0000718				Х						
UNK1158	ST00000721				Х						
UNK1160	ST00000722				Х						
UNK1170	ST00000724				Х						
UNK1172	ST00000725				Х						
UNK1174	ST0000726				Х						
UNK1175	ST00000727				X						
UNK1205	ST00000732				X						
UNK1213	ST00000734				X						
UNK1263	ST00000738				X						
UNK1203	ST00000737				X						
UNK16715	ST00000741			-	X						
UNK1684	ST00000742				X						
UNK1685	ST00000743				Х						
UNK1686	ST00000744				Х						
UNK1725	ST00000747				Х						
UNK1726	ST0000748				Х						
UNK1738	ST00000751				X						
UNK1801	ST00000758				X						
UNK1802	ST00000759				X						
UNK1800	ST00000760 ST00000764				A X						
UNK1855	ST00000765				X						
UNK1857	ST0000766				X						
UNK1864	ST0000767				Х						
UNK1865	ST0000768				Х						
UNK1866	ST00000769				Х						
UNK1867	ST00000770				Х						
UNK1868	ST00000771				Х						
UNK1880	ST0000772				Х						
UNK1891	ST00000773				X						
UNK1896	ST00000774				X						
UNK1899	ST00000776				A V						
UNK1900	ST00001285				X						
UNK24721	ST00000780				X				1		
UNK27917	ST0000785				X						
UNK31512	ST0000788				Х						
UNK31912	ST00000789				Х						
UNK32716	ST00000790				Х						
UNK32717	ST00000791				Х						
UNK33915	ST00000792				Х						
UNK34712	ST00000793				Х						
UNK34713	ST00000794				X						
MR21512	S100000646				X						
MR21513	ST00001296				X						
UNK26725	ST00001280				A V						<u> </u>
UNK29112	ST00000786			<u> </u>	X				1	ļ	
UNK29512	ST00000787				X						
CB0976	ST00001287			-		1		Х			

		High P	riority	Medium Priority		L	ow Priority			Torono di an	
Outfall ID	Work Order Number	Could Not Locate	Buried	Fully Submerged in Sediment	Partially Submerged in Sediment	Fully Submerged in Water	Partially Submerged in Water	Abnormal Vegatation	Outfall Damage	Inspection Number	Inspection Date
CB0977	ST00001288							Х			
CB1147	ST00001289							Х			
CB1912	ST00001290							Х			
DPO0657	ST00001291							X			
DPO1007	ST00001292							X			
FB0/15	ST00001293							X			
UNK1900	ST00001294							X			
UNK1902	ST00001295			-	-			X			
UNK5113	ST00001297							X			
CB1198	ST00001298					Х					
CL0700	ST00000513					Х					
DPI0941	ST00000516					Х					
DPI0945	ST00000519					Х					
DPI1133	ST00000522					Х					
MR20719	ST00000542					Х					
TS0989	ST00000549					Х					
UNK0779	ST00000552					X					
UNK0908	ST00000557					X					
UNK1185	ST00000567					X					
UNK1850	ST00000578				-						
KL20714 TS30715	ST00000550					X					
CB1203	ST00000598					А	x				
CB1205 CB1710	ST00000599						X				
DPI0970	ST00000610						X				
DPI1007	ST00000614						Х				
DPI1084	ST00000616						Х				
DPI1125	ST00000618						Х				
DPI1131	ST00000619						Х				
DPI1162	ST00000621						Х				
DPI1197	ST00001299						X				
DPI31518	ST00000622						X				
FBO0637	ST00000626						X				
FBO0/19	ST00000627				-		A V				
LT178	ST00000639						X				
LR1248	ST00000640						X				
LR1260	ST0000642						X				
MR0651	ST0000643						Х				
TS0984	ST0000670						Х				
TS30714	ST0000672						Х				
TS33514	ST0000673						Х				
UNK0665	ST0000678						Х				
UNK0666	ST00000679						X				
UNK0668	ST00000681						X				
UNK0673	ST00000680						X V				
UNK0720	ST0000088						A X				
UNK0728	ST00000689						X				
UNK0730	ST00000690						X				
UNK0780	ST00000692						X				
UNK0781	ST00000693						Х				
UNK0788	ST0000694						Х				
UNK0861	ST00000696						Х				
UNK0864	ST00000698						Х				
UNK0898	ST00000702						Х				
UNK0902	ST00000703						Х				
UNK0954	ST00000707						Х				
UNK0955	ST00000708						Х				
UNK1044	ST00000713						X				
UNK1168	ST00000723						X				
UNK1170	ST00000728						Å V		1		
UNK1188	ST00001301						X				

	Work Ordon	High P	riority	Medium Priority	Low Priority					Increation	
Outfall ID	Number	Could Not Locate	Buried	Fully Submerged in Sediment	Partially Submerged in Sediment	Fully Submerged in Water	Partially Submerged in Water	Abnormal Vegatation	Outfall Damage	Number	Inspection Date
UNK1206	ST0000733						Х				
UNK1220	ST0000735						Х				
UNK16312	ST0000739						Х				
UNK16313	ST0000740						Х				
UNK1695	ST0000745						Х				
UNK1696	ST0000746						Х				
UNK1735	ST0000750						Х				
UNK1749	ST00000752						Х				
UNK1766	ST00000754						Х				
UNK1767	ST00000755						Х				
UNK1823	ST0000761						Х				
UNK1829	ST0000762						Х				
UNK1835	ST0000763						Х				
UNK1910	ST00000777						Х				
UNK25914	ST0000782						Х				
UNK6315	ST00001302						Х				
UNK6316	ST00001303						Х				
UNK8312	ST0000797						Х				
MR22314	ST0000649						Х				
UNK1775	ST0000756						Х				
LR0979	ST00001304								Х		
MR0607	ST00001305								Х		
MR22313	ST00001306								Х		
TS0983	ST00001307								Х		
UNK1173	ST00001308								Х		
MR0927	ST00001309										
UNK1189	ST00001310										

2.4 IDENTIFIED ILLICIT CONNECTIONS AND CURRENT RESOLUTION STATUS

The ongoing and cumulative status of the City's efforts to remove any identified illicit connections or discharges is summarized in Table 2-4.

The status of the three most recently identified illicit connections is as follows:

- Pentucket Lake Basin
 - Outfall PL0891: This catchment area is located on Marsh Avenue and Main Street, and the source of dry weather flow was determined to be from a sewer exfiltrating into an under drain. Correction action has been designed, bid, and the notice of award has been issued. The scope of this work includes the following:
 - Lining of sewer mains and all laterals in the area
 - Broken pipe point repair
 - Sewer manhole rehabilitation
 - Sealing all manholes in the area
 - Capping all underdrain overflows in the sewer manholes.
 - Work for this project has begun and is expected to be completed by the end of the year (2018).
- Little River Basin
 - Outfall LR1260 is comprised of approximately 5-miles of storm drains within an urban section of the City. To date, a homeowner's sewer service was found to be leaking, and was slip-lined back on February 24, 2018. A plan showing the summary of investigations completed to date for Outfall LR1260 Little River can be found on Page 32 of 52 in the City's response to EPA dated December 28, 2017, which can be found on the City's Stormwater Website at the link provided in Section 2-1. The City is continuing investigations in this area to identify other potential illicit connections to the drainage system.

- Merrimack River Basin
 - Outfall MR24314: It was determined that there was an illicit connection to this catchment and was previously fixed. During this reporting period, the outfall was re-inspected on June 25, 2018 and there was no dry weather flow (see attached inspection form in Appendix D).

Unknown or Unnamed Basins

- Outfall UNK0951: During inspection of this catchment and review of CCTV, it was determined that there was a sewer main running though the drain. This section of sewer main had a crack and there were signs of leakage. April 2018, that section of sewer was repaired (see attached work order in Appendix D).
- Outfall UNK0788: During IDDE inspection, the City drain connection to the culvert was not flowing. It was determined that the source of contamination may have been from upstream contamination or the septic system at the adjacent residence. The City drain on West Lowell Avenue was disconnected from culvert and the residence was connected to the City sewer.

 TABLE 2-4

 SUMMARY OF ILLICIT DISCHARGES IDENTIFIED BY BASIN AND CURRENT STATUS (January Through June 2018)

Description		Illi	cit Discharge/Con	nection Verified	1		Ongoing Illicit	Discharge Re	moval Activities		Final Illicit Connection Removal Actions			ns	
CD Requirement			67.a.iii.1	1	67.a.iii.2	6	7a.iii.7		67.a.iii.8	67.a.iii.9	67.a.iii.3	67.a.iii.4	67.a.iii.5	67.a.iii.6	Assessment:
Basin ID	Outfall ID	Date Verified	Address Location	Type of Discharge	Estimated Flow (gpd)	4-Feb	Reasons Why Not	Schedule for Removal	Reason why expedited	Legal Actions against Private Property Owners	Actions Taken (with Dates)	Date Connection Eliminated	Est. Cost of Removal	Estimated Volume Removed (gallons)	Is the City in compliance with the schedule?
Little River	LR1260	10/26/2017	29 Union Streeet	Single family broken sewer	400 gpd	not removed	gave extension	Was removed on 2/24/18						60,000	
Merrimack River	MR1164	11/19/2016	Market Basket Parking Lot	groundwater into drain	Seasonal Flow/ Not able to estimate	N/A	N/A	N/A	N/A	N/A	This dry weather flow appears to be from a groundwater discharge into the drainage system across a parking lot. Additional testing is required to confirm bacteria source is groundwater.	N/A	N/A	N/A	Yes, the City is in compliance with resolving this "illicit discharge".
	MR24314	7/27/2016	15 Groveland St., 19 Groveland St, 312 Water St	3 Single family	N/A		N/A	N/A	N/A		New gravity sewer installed on Nov 11, 2016 and 3 homes removed from drain system	11/4/2016	\$ 12,788	26,377	Yes, the City is in compliance
Pentucket Lake	PL0891	10/5/2016	Marsh Avenue	leaking sewer/ exfiltration	Not able to estimate	х	Sewer replacement costs/lengths are extensive; cost exceeds discretionary funds; new fund required in next fiscal year to complete project	Fiscal Year 2018	This connection is being removed as quickly as possible and dependent on the availability of funds within the fiscal year.	N/A	-	-	-	-	Marsh Ave sewer repair project was bidded and awarded to National Water Main Cleaning Co. and expected to be complete by the end of the year
	UNK1166		Franzone Drive												
	UNK0951	11/1/2018	Brook Street	Leaking sewer running through drain	Not able to estimate	not removed	Not able to fix due to weather	As soon as weather permits	-	-	Section of sewer was dug up and replaced	4/17/2018	\$ 4,277	-	
Unknown	UNK0788	7/27/2016	West Lowell Ave	Possible contamination from leaching septic system	Not able to estimate	N/A	N/A	N/A	N/A	N/A	City drain was disconnected from culvert and residence was connected to City sewer.	Jun-18	\$ 16,700	-	
	UNK1188	12/25/2012	34 Columbia Pk., 66 Columbia Pk., 74 Columbia Pk., 80 Columbia Pk., 90-92 Columbia Pk.	5 Single family		N/A	N/A	N/A	N/A	N/A	5-house sewer services through a drain pipe that were dripping. Install a PVC sleeve through drain	6/8/2016	\$ 13,000	26,481	City is in compliance. 60 day deadline was not applicable until November 2016.
¹ Type of Discharge	single-family res	idential, multifamily	residential, commer	cial, industrial, exf	iltration from a s	anitary sewer					Current Report Period	Γotal =	\$ 20,977	-	
											Grand Total =		\$ 46,765	112,858	

3.1 SSO AND BUILDING/PRIVATE PARTY BACKUP EVENTS

A chronological list of the sanitary sewer overflows (SSO) and building/private party backup events that occurred during this Reporting Period (January through June 2018), are listed in Table 3-1 and shown in Figure 3-1.

Over the Reporting Period, there were a total of five reportable SSO events associated with the City's sewer collection system and are listed in Table 3-1. Two of the five reported SSO's associated with the City have occurred previously and were addressed as follows:

- SSO 18-01: Sewer line was flushed and added to preventative maintenance schedule
- SSO 18-03: Sewer line was flushed and added to preventative maintenance schedule

Over the Reporting Period, calls to the City associated with building/private party backup events were determined to be blockages in service connections to a property or blockages in the internal plumbing system and not caused by conditions within the sewer collection system. These events are not required to be reported per the MassDEP SSO/Bypass Notification Form and are not included as part of this Compliance Report.

It is important to note that the SSO's associated with the City collection system operations are not a result of pipe capacity deficiencies and the City continues to make significant progress in reducing the number of SSOs that occur in the system attributed to City operations. For this sixmonth reporting period, the City had five SSOs that were directly attributable to unanticipated collection system conditions. The EPA reported annual average SSOs in a typical nationwide system is about four SSOs per 100 miles. Accordingly, Haverhill continues to have less SSOs than the national average. In addition, there were half as many SSOs attributed to the City compared to the number that occurred during the same reporting period last year (January to June 2017).

TABLE 3-1SANITARY SEWER OVERFLOW EVENTSJANUARY THROUGH JUNE 2018

SSO Ownership City or Private	CITY	CITY	CITY	CITY	CITY
MaintStar Work Order	WW00001237	WW00001257	WW00001301	WW00001315	WW00001322
SSO ID	SSO-18-01	SSO-18-02	SSO-18-03	SSO-18-04	SSO-18-05
SSO Address	17 PENTUCKET ST	MARION ST	CHESTNUT ST	51 EIGHTEENTH AVE	27 WOODROW AVE
Start Date/Time	1/23/2018	2/13/2018	4/17/2018	5/3/2018	5/17/2018
End Date/Time	1/23/2018	2/15/2018	4/17/2018	5/3/2018	5/17/2018
Date Reported EPA/DEP	1/25/2018	2/16/2018	4/18/2018	5/4/2018	5/18/2018
Who notified	RESIDENT	WATER DEPARTMENT	EMAIL ALARM AFTER HEAVY CSO EVENT	WATER DEPARTMENT	HOMEOWNER
Reason for occurrence	SEWER SYSTEM BLOCKAGE	SEWER MAIN BREAK	SEWER SYSTEM BLOCKAGE	SEWER MAIN BREAK	SEWER SYSTEM BLOCKAGE
Date of last SSO occurrence	07/20/15	FIRST OCCURANCE	09/01/16	FIRST OCCURANCE	FIRST OCCURANCE
SSO est. vol.	1200	1200	10000	500	20
Receiving Waters if sewerage entered	NONE	NONE	MERRIMACK RIVER	UNKNOWN	NONE
Method Use to Estimate volume	VISUAL	VISUAL	VISUAL	VISUAL	VISUAL
Nearest CB location ID	CB-5544	CB-4586	CB-3809	CB-1335	NONE
Distance to Nearest CB (ft.)	20	65	120	90	NA
Name of receive Water whether or not there was a release	NONE (Combined Sewer)	NONE (Combined Sewer)	MERRIMACK RIVER	Unnamed Tributary	NONE (Combined Sewer)
Entered CB Yes or No	NO	YES	YES	YES	NO
MEASURED TAKEN STOP SSO	FLUSHED CITY LINE	REPAIRED SEWER MAIN BREAK	FLUSHED CITY LINE	FLUSHED LINE/REPAIRED LINE	FLUSHED CITY LINE
Decontaminate	YES	YES	YES	YES	YES
Measured taken to prevent future overflows	РМ	NA	РМ	NA	РМ
SEWERAGE LOCATION INTO STREAM	NONE	NONE	MR1746	UNK35912	NONE



4.1 CONSTRUCTION SITE INSPECTION AND ENFORCEMENT PROGRAM

The Consent Decree states that the Construction Site Stormwater Program shall be developed and submitted for review and approval by EPA within 365 days of the Effective Date (November 10, 2016), which is November 10, 2017.

A Pre and Post Construction Stormwater Management Ordinance was sent to City Council in a letter dated November 9, 2017 for their review and adoption. The ordinance was passed by the City Council at their June 26, 2018 meeting.

The proposed ordinance was also sent to EPA in a letter dated November 10, 2017 for their review and approval.

Currently, there are no projects within the City that meet the requirement of one acre or more of land disturbance and thus no site inspections have been conducted and enforcements made during this Reporting Period.

GENERAL STATUS

5.1 INTRODUCTION

This section summarizes the actions taken by the City of Haverhill to achieve compliance of the Consent Decree within the Reporting Period.

For the fourth Reporting Period (January through June 2018) there were three deliverables and/or activities due within that timeframe to achieve compliance. Those three deliverables/activities are shown in Table 5-1 below.

Work orders generated from the City's computerized maintenance management system, MaintStar, for the outfall inspection (prefix STI) programs from January through June 2018 are attached to this Compliance Report in Appendix A. There were no work orders generated for outfall investigations (prefix ST) during this reporting period. Appendix B is attached to this Compliance Report as a placeholder for future reports only.

TABLE 5-1

Part	Activity	Due Date	Submittal Date
Effe	ctive Date of Consent Decree (11/10/2016)		
М	CSO Monitoring		
	Submit annual CSO activation report	4/30/2018	4/24/2018
Ν	CSO Planning & Plan Implementation		
	Resubmit Final CSO LTCP (FLTCP)	3/30/2018	3/29/2018
IX	Compliance Reporting		
	Compliance Report No. 3	4/30/2018	4/30/18

SUBMISSIONS WITHIN CURRENT REPORTING PERIOD

5.2 ISSUES OF NONCOMPLIANCE

The City is in compliance with the requirements of this Consent Decree.

5.3 LOOKING AHEAD - SIX MONTH FORECAST

The anticipated future deliverables, as well as continuous related activities required under the Consent Decree for the next Reporting Period, July to December 2018, are shown in Table 5-2.

TABLE 5-2

FUTURE DELIVERABLES DURING THE PROCEEDING REPORTING PERIOD (JULY THROUGH DECEMBER 2018)

Part	Activity	Trigger Event	# Days Due Post Trigger	Due Dates
Effe	ctive Date of Consent Decree	11/10/2016	LVEIIt	
VIII	SEP			
	From Appendix 8 Design and Permits	Effective Date	21 Months	8/31/2018
IX	Compliance Reporting			
	Compliance Report No. 4	4/30/18	180	10/31/2018
VIII	SEP			
	from Appendix 8 Construction completion	Effective Date	24 Months	11/10/2018 City requested a 6-month time extension to <u>May 10,</u> <u>2019</u> in a letter to EPA dated March 23, 2018

SECONDARY TREATMENT BYPASS

6.1 INTRODUCTION

The intent of this section is to summarize the secondary treatment bypass events that occurred at the City of Haverhill's Water Pollution Abatement Facility during the reporting period, January through June 2018.

6.2 BYPASS EVENTS

During the reporting period, there were no secondary treatment bypass events that occurred through use of the WPAF bypass facilities. However, on March 8, 2018, a nor'easter and its accompanying ice storm caused power outages across the Merrimack Valley region, including Haverhill. The WPAF experienced a power outage from early morning of March 8, 2018 until approximately 10:00 AM on March 10, 2018. The loss of power resulted in the activation of the facility's generator, which currently does not provide standby power to the aeration treatment process. Due to the less efficient secondary treatment process during the use of the generator, the City reported the power failure and lack of aeration capabilities as a secondary treatment bypass event, even though the WPAF's bypass facilities were not activated.

Due to the lack of information available due to the power failure, the information typically shown in Table 6-1 cannot be provided as part of this Compliance Report; however, additional information regarding the Facility during the incident is attached in Appendix C.

CMOM CORRECTIVE ACTION PLAN

7.1 INTRODUCTION

Pursuant to the Consent Decree, the City of Haverhill submitted the Capacity, Management, Operation, and Maintenance Program Assessment Corrective Action Plan (CMOM), dated February 22, 2017, to MassDEP and EPA. In their review letter dated August 3, 2017, MassDEP requested that a summary of the status of CMOM-Related corrective actions that occurred during the reporting period be including in the Compliance Reporting.

7.2 CMOM CORRECTIVE ACTIONS

The CMOM identified 28 deficiencies, their recommended corrective actions, and an implementation schedule, which are listed below in Table 7-1. Table 7-1 also provides an updated status for each corrective action.

7.3 ADDITIONAL CMOM-RELATED ACTIVITIES

In addition to the corrective activities, the City has also performed additional activities as outlined and recommended in the CMOM Program. The collection system maintenance activities that were performed from January through June 2018 (Reporting Period 4) and their associated costs are listed in Table 7-2 below.

 Table 7-1

 CMOM Corrective Action Plan & Status

Action #	Deficiency	Recommended Corrective Action	Implementation Schedule	Status
1	The City does not have a formal long-term plan to mitigate SSO.	The recommendations in the Wastewater Treatment Plant & Collection System Staffing Analysis (Woodard & Curran, 2017), Collection System CIP and Sewer Inspection SOP (Wright Pierce, 2016) will serve as a long the causes of SSOs.(Appendices B and F), and the Pump Station Evaluation term plan to reduce the cause of SSOs	Ongoing	The City had developed a job description for a new Collection System MEO/laborer and will hire a qualified candidate in the near future.
2	The City does not have a comprehensive system to prioritize investigations, repairs, and rehabilitation.	Use the risk-based methods described in Appendices B and F to prioritize investigations, repairs, and rehabilitation.	Ongoing	The City has focused on cleaning major interceptors and siphons to increase capacity within the system and increase storage. The Lower Siphons were cleaned May-June 2018. This includes 18", 20", and 30" siphons across the Merrimack River. The Middle Siphons are expected to be cleaned by the end of FY19. A PEF was submitted to complete planning and implementation of various CMOM corrective action plans including pipe inspections.
3	The City does not have updated job descriptions that match technical requirements for a modern collection system utility.	Update job descriptions for the revised organizational structure proposed in the Wastewater Treatment Plant & Collection System Staffing Analysis (Woodard & Curran, 2017)	Within one year after EPA approves the CMOM Action Plan	The Collection System Operator job description was updated. A Collection System MEO/laborer job description was developed.
4	Although the City training program includes some key safety training, staff would benefit from a formalized safety and technical training program.	Implement a staff training program using the guidelines outlined in Appendix C.	Within one year after EPA approves the CMOM Action Plan	
5	Although the City uses MaintStar to track customer complaints, they do not use the database to prioritize preventative maintenance.	Annually review customer complaint data using GIS to identify areas that may require further investigation.	Within one year after EPA approves the CMOM Action Plan	The City has hired an asset and information management specialist.
6	The City lacks a comprehensive, risk based approach to maintenance planning.	Use the risk-based methods described in Appendices B and F to prioritize investigations, repairs, and rehabilitation.	Ongoing	The City has been using GIS to analyze the current collection system and to prioritize investigations. The City will also be performing another assessment study of certain areas in the City.
7	Local limits need to be updated.	Perform a local limits study and update the limits table in the ordinance (per Appendix E, Sewer Ordinance Review).	Within one year after EPA approves the CMOM Action Plan	A contract for Local Limits Development was signed on April 3, 2018 with Hoyle and Tanner as the engineering firm. To date, a sampling plan has been reviewed and approved by EPA, sampling has been conducted, and data is currently being analyzed.
8	The City needs to improve implementation and enforcement of their Sewer Use Ordinance (SUO).	Improve implementation and enforcement of the SUO. Begin mapping Food Service Establishments in GIS and building database of grease trap inspectional data.	Within one year after EPA approves the CMOM Action Plan	An excel database of all Food Service Establishments has been created. The City has hired an engineering firm to conduct all Food Service Establishment Inspections. The City is looking into the best software to manage these inspections such as LinkoFOG or GIS/MaintStar.
9	The City should update recordkeeping pertaining to private systems.	Input private lift stations into CMMS to track issues & contact information.	Within three months after EPA approves the CMOM Action Plan	All private lift stations have been added to the City's CMMS software, Maintstar.

Action #	Deficiency	Recommended Corrective Action	Implementation Schedule	Status
10	The City does not have a finalized version of their capital improvement plan – which will include pump station upgrades, collection system rehabilitation, and WWTP upgrades.	The City should finalize their CIP and appropriate funds as necessary.	Within three months after EPA approves the CMOM Action Plan	Complete
11	The City does not have a finalized version of their capital improvement plan – which will include pump station upgrades, collection system rehabilitation, and WWTP upgrades.	The City should finalize their CIP and appropriate funds as necessary.	Within three months after EPA approves the CMOM Action Plan	Complete
12	The City has not verified that other air relief valves do not exist. Maintenance of air relief valves has not been performed historically.	Review record drawings and inspect force main routes to confirm location of air relief valves. If located, enter in GIS and schedule routine maintenance in CMMS.	Within one year after EPA approves the CMOM Action Plan	
13	The City does not have a standard procedure for maintaining safety training records.	The City will utilize their CMMS program to organize safety training records.	Within one year after EPA approves the CMOM Action Plan	The City is utilizing their MaintStar along with problem code training.
14	The City has a general emergency response plan (ERP). The Division recently completed an ERP for responding to SSOs. The Division lacks ERP for other collection system emergencies.	Develop ERP for collections-specific emergencies, in particular those affecting critical assets. For example, there should be an SOP for providing backup power to pump stations during a system-wide power outage.	Within one year after EPA approves the CMOM Action Plan	SOP For Generators completed
15	The City does not have formal emergency response training.	Implement a program for training and practicing emergency response.	Within one year after EPA approves the CMOM Action Plan	
16	The City has a hydraulic model for interceptors and CSOs, but there is no city- wide hydraulic model.	Although developing a comprehensive hydraulic model is not a high priority, Woodard & Curran recommends building out the model as required to address capacity issues and plan for new development as the need arises.	As Needed	
17	The City does not have adequate staff to perform sufficient preventative maintenance on all 36 pump stations part of the collection system.	Follow the recommendations of the Wastewater Treatment Plant & Collection System Staffing Analysis (Woodard & Curran, 2017) to assign sufficient resources to keep up with required maintenance.	Within one year after EPA approves the CMOM Action Plan	The City had developed a job description for a new Collection System MEO/laborer and will hire a qualified candidate in the near future. The City also outsources many tasks.
18	Although there is generally sufficient redundancy of pumps and level controls, some stations require specific upgrades related to redundancy.	The City will utilize the recommendations of the Pump Station Evaluation (Wright Pierce, 2016) to evaluate future rehabilitation. The City is planning for Carleton Street PS and North Ave PS to be in construction by EOY 2019.	Ongoing	North Avenue and Carleton Street Pump Stations upgrades went out to bid, a contract was signed with Methuen Construction, and expected to be completed mid-2019. The City will be standardizing all their pump stations during upgrades.
19	Not all pump stations have communication ability. Lack of communication at pump stations has contributed to SSOs.	The City will utilize the recommendations of the SCADA Study (Woodard & Curran, 2011) and Pump Station Evaluation (Wright Pierce, 2016) to evaluate communication improvements.	Ongoing	City has selected the use of Mission RTU for communication. The City had hired Weston and Sampson to install 7 new Mission alarms at Clydedale Ave, Hoyt Rd, Russet Hill, Bradford Glen, Calewood Dr, Coffin Ave, and Hanover St sewer lift stations. This was completed by June 2018. The City has budgeted money to install Mission RTU alarms at 10+/- additional stations this fiscal year (the number of stations will depend on the bid price).
20	11 pump stations do not have working backup power, though most of these have connections for a portable generator or are small enough to pump out.	The City will utilize the recommendations of the SCADA Study (Woodard & Curran, 2011) and Pump Station Evaluation (Wright Pierce, 2016) to evaluate emergency power improvements. Develop an ERP to address a system-wide power outage including monitoring fuel supplies, mobilizing portable generators, and pumping out with trucks.	Ongoing ERP for system wide power outage will be developed within three months after EPA approves the CMOM Action Plan	Complete
21	There is currently no schedule for cleaning sewer lines on a system-wide basis.	The City will utilize a 20-year plan to inspect all sewer pipes calculated to have a consequence of failure value ≥ 3 (approximately 57% of system). See the Collection System CIP (Appendix B) for additional information.	Will begin to implement program within six months after EPA approves the CMOM Action Plan	The City is cleaning all of the siphons, which will help convey more wastewater to the treatment facility. The City is also looking into purchasing their own vac truck

Action #	Deficiency	Recommended Corrective Action	Implementation Schedule	Status	
22	The City does not have a dedicated location for offloading and dewatering sewer cleanings. The City does not have an enclosed location for storage of their sewer maintenance vehicles.	The City will purchase a dewatering dumpster for sewer cleanings. The City will construct a facility for storage of sewer maintenance vehicles.	Within three years after EPA approves the CMOM Action Plan	The City currently rents dumpsters and stores them at the Wastewater Treatment Plant. These dumpsters are water tight and covered. Cleaning debris are dewatered at the septage receiving area and then are offloaded into the dumpsters.	
23	The City does not have a list of assets located on right-of-ways. The City has also not developed an SOP for maintenance of right-of-ways and easements.	Identify off-street assets using GIS. Schedule preventative maintenance for maintaining accessibility in CMMS. Develop SOPs for specific easements as necessary, including contacting property owners to obtain keys, etc.	Within two years after EPA approves the CMOM Action Plan	The City has inputted easements into GIS. These assets will be populated and SOPs will be made.	
24	There is no systematic program for uncovering manholes that have been paved over.	Develop an SOP which includes: Identification of paved over manholes as part of routine inspections • Add paved-over manholes to GIS. • Adding work orders to CMMS for raising paved-over manholes.	Within two years after EPA approves the CMOM Action Plan	The City's highway department distributes a street paving list to each department. The wastewater department investigates those streets and puts a list together of buried manholes. This list is then given to the contractor and the contractor raises the manholes.	
25	Although the City has identified areas with high measured inflow, building inspections have not been performed.	The City will perform trial building inspections to a sample of 10% of buildings located in Areas 14 & 23 Infiltration and Inflow Report (CDM Smith, 2011). Sample brochures will be sent out to buildings where inspections are not successfully completed.	Within two years after EPA approves the CMOM Action Plan		
26	The City lacks public education materials associated with roof leaders and sump pumps.	The City will consider using a public education campaign to inform residents of proper plumbing in areas of separated sewer.	Within one year after EPA approves the CMOM Action Plan		
27	The City lacks public education materials associated with roof leaders and sump pumps.	The City will consider using a public education campaign to inform residents of proper plumbing in areas of separated sewer.	Within one year after EPA approves the CMOM Action Plan		
28	The City does not have a system-wide manhole inspection program.	Perform manhole inspections using NASSCO Level 1 MACP. Prioritize and schedule using the risk-based approach described in Appendices B and F rehabilitation. The City plans to complete manhole inspections while performing pipe inspections.	Will begin to implement program within six months after EPA approves the CMOM Action Plan	As the City contracts CCTV, they also contract manhole inspections	

TABLE 7-2

CMOM-RELATED ACTIVITIES THAT OCCURRED

DURING REPORTING PERIOD 4

(JANUARY THROUGH JUNE 2018)

Month	Project	Costs
	CCTV sewer mains	\$1,480
	Sewer main heavy cleaning at Main St. and Marsh Ave.	\$2,500
January	CSO flow metering	\$4,785
	Optimization of CSO real time control and instrumentation	\$2,000
	Assistance/coordination with IDDE	\$11,887
	Sewer cleaning jet machine nozzles purchases	\$984
	Sewer main repair on Marian St.	\$7,624
	CCTV sewer mains	\$1,480
	Created/Printed new Stormwater brochures	\$925
	CSO flow metering	\$4,785
February	Optimization of CSO real time control and instrumentation	\$4,528
	Hired Weston and Sampson to install 2 new Mission 100 alarm/monitoring units at Clydedale Ave, and Hoyt Rd. sewer lift stations	\$3,800
	Heavy cleaning of 4 sewer lift stations: Pear Tree, Rosemont, North Ave, and Farrwood Dr.	\$900
	Replaced Catch Basin cleaning truck bed	\$13,000
	CSO flow metering	\$4,785
March	Optimization of CSO real time control and instrumentation	\$5,000
	Assistance/coordination with IDDE	\$2,000
	Dumpster rental for dewatered debris from sewer/drain cleaning	\$980
	Replaced SMH-2234 on Broadway St.	\$223,000
	Created/Printed new Pet Waste Disposal brochures	\$1,425
April	Repaired sewer main at Altamont and Brook St	\$4,500
	CCTV sewer/drain	\$3,191
	CSO flow metering	\$4,785
	CSO monitoring services/electronic security system	\$927

	Optimization of CSO real time control and	\$1,500
	Local Limits Development	\$3,339
April	Heavy cleaning of sewer mains at Portland St. and South Webster St	\$2,850
	Created/Printed "Wipes Clog Pipes" educational brochure	\$1,430
	Replaces air compressor at Alvanos Dr. sewer lift station	\$3,000
	Hired National Water Main Cleaning Co. to do a heavy cleaning of the Lower Siphons which consist of an 18", 20", and 30" sewer pipes under the Merrimack River	\$198,000
	Hired Weston and Sampson to install 5 new Mission 100 alarm/monitoring units at Russet Hill, Bradford Glen, Calewood Drive, Coffin Ave, and Hanover Street Sewer Lift Stations.	\$23,000
	Hired Roadway Maintenance Services Inc. to clean 893 catch basins	\$49,000
May	Replaced Rosemont sewer lift station's analog input module	\$544
	Heavy cleaning of 18 th Ave and Rockwood Ave sewer mains	\$2,260
	Repaired clam shell hoist on Catch Basin Cleaning truck	\$5,000
	CCTV Sewer/drain	\$1,480
	SSO and SWPP spill kit supplies	\$7,100
	CSO flow metering	\$4,785
	Optimization of CSO real time control and instrumentation	\$1,800
	Local Limits Development	\$2,270
	CCTV sewer mains	\$1,480
	Installed new SMH on Shawmut Ave.	\$4,638
	CSO flow metering	\$4,785
luno	CMMS Software, Maintstar	\$2,020
June	Optimization of CSO real time control and instrumentation	\$2,770
	Local Limits Development	\$25,880
	Repaired Lower Siphon dry weather gate	\$2,000
Total Spent I	\$662,202	
APPENDIX A



Storm Generic Inspection INSPECTION# STI0001317 Type DISCHARGE POINT

 ± 1

9/18/2018

Sub Type 0		ID DPI1056	
Description WAINW	RIGHTAVE	Permit	
WAINWE	RIGHT AVE	Cross Street	
Location Ref.	Map ID 12902	Map Sheet	
Notes		Recommendations	
CB-3148 Poor condition	n, needs cleaning. CB-1671 BuriedW.O.4	CB-3148 Clean. CB-1671 Buried	

	Inspection Typ	be IDD	E			Adm Sy	s			
	Weathe	er Sun	ny			Activi	ty STO	ORMWATER		
ŝ	Overall Condition	on Goo	d			Ratin	g			
\vdash	PK UDF1				PK U	DF5				_
	PK UDF2				PK U	DF6				
	PK UDF3				PK UDF7					
	PK UDF4				PK U	DF8				
	Inspection	Pass	ed	() Failed	REF E	RM#				
Seq	Date	Type	DOC N.	Code / Description	Hrm	m Pay Type	Oty	Unit	Activity Location	
1	06/20/18 10:00	labor	TMUR00	1 - TYLER MURRAY	1:0	0 REG			MS4 INSPEC	
2	06/20/18 10:00	labor	JDON00	1 - JAMES DONAHUE	1:0	0 REG	_	-	MS4 INSPEC	
3	06/20/18 10:00	equip	VEH-S6 -	TRACON VAN 2016 WHITE	1:0	0			MS4 INSPEC	

:

;

:

Print Name TYLER MURRAY

Strand 211-1

		IV.	1S4 STORMV	VATER ASSET INS	PECTION FORM	ST - 521
	DOLUND C				2	
ECTION 1: BACKG	ROUND DA	ATA Inspector (C	ew)	Street Name/ Stru	cture Location: W/G/A	whight st
SSET ID IDMH,CB	Z/O	DPL1056	-Ort+tall	Time	ALL ID: 01-1.10%	
emperature:	17 'F			losoe	torist Tiles M. D	RTD
emperatore.				Photo	s Taken J lif ves. Photo	Numbers: W 8
revious Precipitat	ion Date(// Amount	AARAN (mini	mum 48 hr dry period a	and less than 0.10 in)	0005A 0.50 in
ECTION 2: ASSET	DESCRIPTIC	ON DESCRIPTION	CHAN A	and the state of the second	and the state of the	Statistics and some of statistics
ocation		Material		Shape	Dimension (in.) Submerged
(RCP)	CMP	PVC		Circular		In Water:
					10 5355 52	No Partially
Storm	PPE	Steel Clay	Other:	Elliptical	Diameter/Dimensions:	Fully
Sewer					1011	
(Closed	V,			Box		With Sedimen
Pipe) (1) 001	Coken)		Control (
	The			Other		No (Partially
-				ound.		Fully
IS SECTION OF STREET	的建筑的现在	HEENSE MISSING	A REAL PROPERTY AND	N2010年1月1月月1日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日	·····································	AND SHARE AND AND AND A
ECTION 3: PHYSIC	AL INDICAT	TORS		A REAL PROPERTY AND INCOME.		
ndicator	Y/N		Description		320	Comments
sset Damage	1y		Spalling, Crack	ing or Chipping Y(S P	eeling Paint 10	Unalle Pertin
eposits/Stains	N		Oily	Paint F	low Line Othe	" "
ool Quality	1)		Odors Col	ors Floatables S	iuds Excessive	
our county	IV.		Algae Oil S	iheen Other:	L	
pe Algae/Growth		t an Illinit direct	Brown Ora	ange Green Ot	her:	
Do physical indica	tors sugges	an micic discharg	Trickle	Madarata	Substantin	
low Description	102020000	CIDEGADARONIGANT	Inckie	Moderate	Substantia	OF FAILURATION PROFILE AND PROVIDENT PROFILE
CTION & DUNCIO	AL INDICAT	CORE / ALL CLOWIN	C ACCETC)	· · · · · · · · · · · · · · · · · · ·		
ECTION 4: PHYSIC	ALINDICAL	IORS (ALL FLOWIN	IG ASSETS)			Relative Severity Index [1-
dicator	Y/N	Description				3)
		Sewage	Rancid/Sour	Sulfide Petr	oleum/Gas	1 – Faint
		Other:			20.5.6770-0775-05	2 - Easily detected
dor	ie.	101220010				3 - Noticeable from a
						distance
2220) 			rown (Callow Vallow	Green	
olor		Clear B		renow		1 - Faint
olor		Clear B Orange/Red Other	Multi-Color	stay renow)	1 – Faint
olor :olor chart)		Clear B Orange/Red Other:	Multi-Color	stay reliow	w.	1 – Faint 2 – Easily detected 3 – Noticeable from a
olor :olor chart)		Clear B Orange/Red Other:	Multi-Color	10	wo w	1 – Faint 2 – Easily detected 3 – Noticeable from a distance
olor color chart)		Clear B Orange/Red Other:	Multi-Color	<u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>	eron,	1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Slight cloudiness
olor :olor chart) urbidity		Clear B Orange/Red Other: See severity	Multi-Color	Nay Tellow	620m	1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy
olor olor chart) urbidity		Clear B Orange/Red Other: See severity	Multi-Color	No No	Exon,	1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque
olor :olor chart) urbidity		Clear B Orange/Red Other: See severity Sewage	Multi-Color Suds and Foar	n Grease	Exon,	1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not
olor color chart) urbidity loatables		Clear B Orange/Red Other: See severity Sewage	Multi-Color Suds and Foar	n Grease	Exon,	1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/Slight; origin not obvious 2 - Some indications of
olor :olor chart) urbidity loatables Does Not Include casb)		Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh	Multi-Color Suds and Foar seen)	n Grease	Exon,	1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin
olor :olor chart) urbidity loatables Does Not Include rash)		Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh Other:	Multi-Color Suds and Foar seen)	n Grease	Exon	 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/Slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear
olor :olor chart) urbidity loatables Joes Not Include rash) Do physical Indica	tors (flowin	Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh Other: 19) suggest an illicit	Multi-Color Suds and Foar teen) discharge is pres	m Grease	Exon	 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear
olor :olor chart) urbidity loatables Does Not Include rash) Do physical Indica ECTION 5: ON-SIT	tors (flowin	Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh Other: ng) suggest an illicit G/TESTING (ALL FL	Multi-Color Suds and Foar neen) discharge is pres OWING ASSETS)	m Grease	Chow) Sample Tim	 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear
olor olor chart) urbidity oatables Does Not Include rash) Do physical indica ECTION 5: ON-SITi arameter	tors (flowin	Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh Other: ing) suggest an illicit G/TESTING (ALL FL Result	Multi-Color Suds and Foar neen) discharge is pres OWING ASSETS) Typi	m Grease	Sample Tim	1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/Slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear
olor olor chart) urbidity oatables Does Not Include rash) Do physical indica ECTION 5: ON-SITI arameter emperature	tors (flowin	Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh Other: ing) suggest an illicit G/TESTING (ALL FL Result	Multi-Color Suds and Foar neen) discharge is pres OWING ASSETS) Typi	n Grease sent (Y/N): Sample Date cal EPA Benchmarks	Sample Tim Eq	1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/Slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear 0 ulpment TECH EC500
olor olor chart) urbidity oatables Does Not Include rash) Do physical Indica ECTION 5: ON-SITI arameter emperature H	tors (flowin	Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh Other: ing) suggest an illicit G/TESTING (ALL FL Result	Multi-Color Suds and Foar neen) discharge is pres OWING ASSETS) Typi	n Grease sent (Y/N): Sample Date cal EPA Benchmarks	Sample Tim Eq Ex Ex	1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear e ulpment TECH EC500 TECH EC500
olor olor chart) urbidity oatables Does Not Include rash) Do physical Indica ECTION 5: ON-SITI arameter emperature H	tors (flowin E SAMPLIN	Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh Other: ing) suggest an illicit G/TESTING (ALL FL Result	Multi-Color Suds and Foar neen) discharge is pres OWING ASSETS) Typi	n Grease sent (Y/N): Sample Date cal EPA Benchmarks	Sample Tim Eq Ex Ex Ex	1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/Slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear e ulpment TECH EC500 TECH EC500 TECH EC500
olor olor chart) urbidity oatables Does Not Include rash) Do physical indica ECTION 5: ON-SIT arameter emperature H pecific Conductivit hlorine	tors (flowin E SAMPLIN	Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh Other: ig) suggest an illicit G/TESTING (ALL FL Result	Multi-Color Suds and Foar neen) discharge is pres OWING ASSETS) Typi	m Grease sent (Y/N): Sample Date cal EPA Benchmarks	Sample Tim Eq Ex EX g/L Ha	 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear 6 6 10 <
olor olor chart) urbidity oatables boes Not Include rash) Do physical indica cTION 5: ON-SIT arameter emperature H pecific Conductivit hlorine mmonia	tors (flowin E SAMPLIN	Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh Other: ing) suggest an illicit G/TESTING (ALL FL Result	Multi-Color Suds and Foar neen) discharge is pres OWING ASSETS) Typi	m Grease sent (Y/N): Sample Date cal EPA Benchmarks > 0.02 mj > 1.0 mg	Sample Tim Eq EX EX g/L Ha /L Ha	1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear element TECH EC500 TECH EC500 TECH EC500 ch Test Strips ch Test Strips
olor olor chart) urbidity oatables loes Not Include ash) Do physical indica SCTION 5: ON-SIT irameter imperature 1 iccific Conductivit ilorine inmonia irfactants	tors (flowin E SAMPLIN	Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh Other: ing) suggest an illicit G/TESTING (ALL FL Result	Multi-Color Suds and Foar neen) discharge is pres OWING ASSETS) Typi	m Grease sent (Y/N): Sample Date cal EPA Benchmarks > 0.02 m > 1.0 mg > 0.25 m	Sample Tim Eq Ex g/L Ha g/L CH	 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/Slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear
olor olor chart) urbidity oatables Does Not Include 'ash) Do physical indica CTION 5: ON-SIT arameter imperature H secific Conductivit ilorine mmonia irfactants coli	tors (flowin E SAMPLIN	Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh Other: ing) suggest an illicit G/TESTING (ALL FL Result	Multi-Color Suds and Foar neen) discharge is pres OWING ASSETS) Typi	m Grease sent (Y/N): Sample Date cal EPA Benchmarks > 0.02 m > 1.0 mg > 0.25 m > 235 cfu/10	Sample Tim Eq Ex g/L Ha g/L CH 00mL To	 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear
olor olor chart) urbidity oatables Does Not Include rash) Do physical indica ECTION 5: ON-SITI arameter emperature H secific Conductivit norine mmonia urfactants coli tterococcus	tors (flowin E SAMPLIN	Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh Other: ing) suggest an illicit G/TESTING (ALL FL Result	Multi-Color Suds and Foar neen) discharge is pres OWING ASSETS) Typi	n Grease sent (Y/N): Sample Date cal EPA Benchmarks > 0.02 m > 1.0 mg > 0.25 m > 235 cfu/10 > 61 cfu/10	Sample Tim Eq Ex g/L Ha g/L CH 00mL To X0mL To	1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear element TECH EC500 TECH EC500 TECH EC500 TECH EC500 ch Test Strips EMets Detergents Kit K-9400 be sent to lab be sent to lab
olor olor chart) urbidity oatables loes Not Include 'ash) Do physical Indica 'cTION 5: ON-SITI arameter imperature H becific Conductivity ilorine mmonia urfactants coli iterococcus imple Location	tors (flowin E SAMPLIN	Clear B Orange/Red Other: See severity Sewage Petroleum (oil sh Other: ig) suggest an illicit G/TESTING (ALL FL Result	Multi-Color Suds and Foar neen) discharge is pres OWING ASSETS) Typi	n Grease sent (Y/N): Sample Date cal EPA Benchmarks > 0.02 m > 1.0 mg > 0.25 m > 235 cfu/10 > 61 cfu/10	Sample Tim Eq Ex EX g/L Ha g/L CH 00mL To X0mL To	1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/Slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear element TECH EC500 TECH EC500 TECH EC500 TECH EC500 ch Test Strips EMets Detergents Kit K-9400 be sent to lab be sent to lab







Type DISCHARGE POINT

Issued: 6/20/18

Generic Inspection #: STI0001317			CONTRACTOR OF CONTRACTOR	
nspection Labor/Equipments/Contractors U.D.F	IN STREET	The Western	3111-14-5-5	Steersen, die schien
Inspection Temperature 73	Odor	NONE	Sample Date	00/00/00
Date of Last Rainfall 06/18/18	Odor Severity	NONE	Sample Time	
Time of Last Rainfall 20:45	Color Chart	NONE	SampleTemp	
Rain Fall Amount (in.) 0.50	Color Severity	NONE	Sample Location	
Outfall Location WAINWRIGHT ST	Turbidity	NONE		
Flow Description NONE	Soilds		1	
Est. Flow (gpm) 0	Floatables	NONE		
Submerged Water	Floatable Severity	NONE		
Submerged Sediment PARTIALLY	pH		i i	
Deposit/Stains NONE	Chlorine		ī	
Abnormal Vegatation NONE				
Pool Quality NONE	Specific Conductivity	/		
Pipe Algea Growth NONE	Ammonia			
Outfall Damage YES	Surfactants			
Damage Description CRACKING/ CHIPPING		Bacteria Date 00/00/00		
	Bacteria Prev	ious Rainfall Date 00/00/00]	
Infractructure Benalty	Bacteria	Rainfall Amount	0	
Photo Taken YES	E.Coli			
Number of Photos 7	Enterococcus			
	Indicators Possible Illicit	NO		
	Non Illicit			



INSPECTION# STI0001327

Type DISCHARGE POINT

9/17/2018

Sub Type 0		ID KL1227	
Description Kenoza Street		Permit	
CRO	DSS COUNTRY	Cross Street	
Location Ref.	Map ID 10374	Map Sheet	
Notes		Recommendations	
Could not locate or	utfall.No signs of drainage system (DMHs, CE	Find outfall	

	Inspection Type Weather Overall Condition			Adm Sys Activit Rating	/ ST(ORMWA	TER		
	PK UDF1 PK UDF2 PK UDF3 PK UDF4 Inspection) Pass	ed O Failed	PK UD PK UD PK UD PK UD REF ERM	F5 F6 F7 F8				
Seq	Date	Type	Code / Description	Hrmm	Pay Type	Oty	Unit	Activity Location	
1	06/18/18 11:00	labor	JDON001 - JAMES DONAHUE	2:30	REG			MS4 INSPEC	
2	06/18/18 11:00	labor	TMUR001 - TYLER MURRAY	2:30	REG			MS4 INSPEC	
3	06/18/18 11:00	equip	VEH-S6 - TRACON VAN 2016 WHITE	2:30				MS4 INSPEC	

Inspector Signature

:

:

Date

Print Name JAMES DONAHUE

		MS	54 STORMWA	ATER ASSET INSPE	ECTION FORM	11-12001
					5	T-1275
					2	1 14:2 0
CTION 1: BACKGR	DUND DAT	A Inspector (Cre	w)	Street Name/ Struct	ure Location: KPA07	tq st
SSET ID (DMH,CB,C	utfall)			OUTFAI	LID: KIIII	
ate: 6/18/	2018			Time:	11.0000	8 Field La
emperature:	84 F			Inspect	or(s): Tyler Muric	y & Jano prowner
		15 Ye		Photos	Taken Y all Ir yes, Photo	Numbers. A
revious Precipitatio	n Date	Amount	0.611A(minim	um 48 hr dry period ar	nd less than 0.10 m)	CALIFORNIA CONTRACTOR
ECTION 2: ASSET D	ESCRIPTIO	N DESCRIPTION			Dimension	s \ Submerged
ocation	1	Material		Shape	Dimension (In Water:
RCP	CMP	PVC		Circular		III PERCENT
			51013	1000 C. 10	Dismeter/Dimensions:	No Partially
HD	PE S	Steel Clay	Other:	Elliptical	Diameter/Dimensions	Fully
Sower						
Closed				Вох		With Sediment:
Pinel						
1,000				Other		No Partially
				other		Fully
	a particular	A REAL PROPERTY AND A REAL		Contraction of the state of the	STREET, AND	
A CHERTER SAL	LINIDICAT	0.00	HIS DESCRIPTION OF THE REPORT	and the second sec	Pro Landida Contra da Contra da	
ECTION 3: PHYSICA	AL INDICA	IOK5	Description			Comments
ndicator	17/14		Spalling Cracking	ng or Chipping Pe	eeling Paint	
Asset Damage	-		Oily	Paint Fl	low Line Othe	r:
Deposits/Stains	-		Odors Colo	ors Floatables S	uds Excessive	
Pool Quality			Algae Oil S	heen Other:		
Pipe Algae/Growth			Brown Ora	nge Green Ot	her:	
Do physical indicat	ors sugges	st an illicit discharg	e is present (Y/N)	:		
How Description			Trickle	Moderate	Substantia	al
SECTION 4: PHYSIC	AL INDICA	TORS (ALL FLOWI	NG ASSETS)			Relative Severity Index (1-
SECTION 4: PHYSIC Indicator	AL INDICA	TORS (ALL FLOWII Description	NG ASSETS)		100	Relative Severity Index (1- 3)
SECTION 4: PHYSIC	AL INDICA	Description Sewage	NG ASSETS) Rancid/Sour	Sulfide Petr	roleum/Gas	Relative Severity Index (1- 3) 1 – Faint 2 – Fasily detected
Indicator	AL INDICA	Description Sewage Other:	Rancid/Sour	Sulfide Petr	roleum/Gas	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a
Indicator	AL INDICA	TORS (ALL FLOWI Description Sewage Other:	NG ASSETS) Rancid/Sour	Sulfide Petr	roleum/Gas	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance
Indicator	AL INDICA	TORS (ALL FLOWII Description Sewage Other:	Rancid/Sour	Sulfide Petr	roleum/Gas Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance
Odor	AL INDICA	TORS (ALL FLOWII Description Sewage Other: Clear	Rancid/Sour	Sulfide Petr Sray Yellow	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint
Odor Color	Y/N	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other:	Rancid/Sour Rancid/Sour Brown C Multi-Color	Sulfide Petr Sray Yellow	roleum/Gas Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected
Odor Color (color chart)	Y/N	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other:	Rancid/Sour Rancid/Sour Brown C Multi-Color	Sulfide Petr Sray Yellow	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a
Odor Color (color chart)	Y/N	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other:	Rancid/Sour Rancid/Sour Brown C Multi-Color	Sulfide Petr	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a distance
Odor Color (color chart)	AL INDICA	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other:	Rancid/Sour Rancid/Sour Brown C Multi-Color	Sulfide Petr	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Slight cloudiness
Odor Color (color chart)	AL INDICA	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other: See severity	Rancid/Sour Rancid/Sour Brown C Multi-Color	Sulfide Petr	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Slight cloudiness 2 – Cloudy
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity	Y/N	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other: See severity	Rancid/Sour Rancid/Sour Brown C Multi-Color	Sulfide Petr	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Slight cloudiness 2 – Cloudy 3 – Opaque 1 – Few/slight: origin not
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables	AL INDICA	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other: See severity See severity Sewage	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa	Sulfide Petr	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Slight cloudiness 2 – Cloudy 3 – Opaque 1 – Few/slight; origin not obvious
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include	AL INDICA Y/N	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other: See severity See severity	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa	Sulfide Petr	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Slight cloudiness 2 – Cloudy 3 – Opaque 1 – Few/slight; origin not obvious 2 – Some; indications of
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash)	AL INDICA	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other: See severity See severity Sewage Petroleum (oil	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen)	Sulfide Petr	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Slight cloudiness 2 – Cloudy 3 – Opaque 1 – Few/slight; origin not obvious 2 – Some; indications of origin
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash)	AL INDICA Y/N	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other: See severity See severity Sewage Petroleum (oil Other:	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen)	Sulfide Petr	Green	Relative Severity Index (1-3) 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash) *Do physical indica	AL INDICA Y/N	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other: See severity See severity Sewage Petroleum (oil Other: ing) suggest an illio	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen) it discharge is pre	Sulfide Petr	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Slight cloudiness 2 – Cloudy 3 – Opaque 1 – Few/slight; origin not obvious 2 – Some; indications of origin 3 – Some; origin clear
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash) *Do physical indica SECTION 5: ON-SIT	AL INDICA Y/N	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other: See severity See severity Sewage Petroleum (oil Other: ing) suggest an illio NG/TESTING (ALL	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen) it discharge is pre FLOWING ASSETS	Sulfide Petr	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Slight cloudiness 2 – Cloudy 3 – Opaque 1 – Few/slight; origin not obvious 2 – Some; indications of origin 3 – Some; origin clear
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash) *Do physical indica SECTION 5: ON-SIT Parameter	AL INDICA Y/N	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other: See severity See severity Sewage Petroleum (oil Other: ing) suggest an illic NG/TESTING (ALL Result	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen) it discharge is pre FLOWING ASSETS Typ	Sulfide Petr Sray Yellow m Grease esent (Y/N):) Sample Date bical EPA Benchmarks	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Slight cloudiness 2 – Cloudy 3 – Opaque 1 – Few/slight; origin not obvious 2 – Some; indications of origin 3 – Some; origin clear me Equipment Equipment
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash) *Do physical indica SECTION 5: ON-SIT Parameter Temperature	AL INDICA Y/N	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other: See severity See severity Sewage Petroleum (oil Other: ing) suggest an illic NG/TESTING (ALL Result	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen) it discharge is pre FLOWING ASSETS Typ	Sulfide Petr Sray Yellow m Grease esent (Y/N):) Sample Date bical EPA Benchmarks	Green	Relative Severity Index (1- 3) 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear me Equipment EXTECH EC500
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash) *Do physical indice SECTION 5: ON-SIT Parameter Temperature pH	AL INDICA Y/N https://www.secondary.com/ stors/flow/ FE SAMPLI	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other: See severity See severity Sewage Petroleum (oil Other: ing) suggest an illic NG/TESTING (ALL Result	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen) it discharge is pre FLOWING ASSETS Typ	Sulfide Petr	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Slight cloudiness 2 – Cloudy 3 – Opaque 1 – Few/slight; origin not obvious 2 – Some; indications of origin 3 – Some; origin clear me Equipment EXTECH EC500 EXTECH EC500
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash) *Do physical indica SECTION 5: ON-SIT Parameter Temperature pH Specific Conductiv	AL INDICA Y/N stors (flow E SAMPLI	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other: See severity Sewage Petroleum (oil Other: ing) suggest an illic NG/TESTING (ALL Result	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen) it discharge is pre FLOWING ASSETS	Sulfide Petr Sray Yellow m Grease esent (Y/N):) Sample Date bical EPA Benchmarks	Green	Relative Severity Index (1- 3) 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear me Equipment EXTECH EC500 EXTECH EC500 EXTECH EC500
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash) *Do physical indica SECTION 5: ON-SIT Parameter Temperature pH Specific Conductiv Chlorine	AL INDICA Y/N https://www.secondary.org/linear/secondary.org/linear	TORS (ALL FLOWI Description Sewage Other: Clear Orange/Red Other: See severity Sewage Petroleum (oil Other: ing) suggest an illic NG/TESTING (ALL Result	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen) it discharge is pre FLOWING ASSETS Typ	Sulfide Petr Sray Yellow m Grease esent (Y/N):) Sample Date bical EPA Benchmarks > 0.02 r	Green	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Slight cloudiness 2 – Cloudy 3 – Opaque 1 – Few/slight; origin not obvious 2 – Some; indications of origin 3 – Some; origin clear me Equipment EXTECH EC500 EXTECH EC500 EXTECH EC500 Hach Test Strips
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash) *Do physical indica SECTION 5: ON-SII Parameter Temperature pH Specific Conductiv Chlorine Ammonia	AL INDICA Y/N stors (flow E SAMPLI	TORS (ALL FLOWII Description Sewage Other: Clear Orange/Red Other: See severity Sewage Petroleum (oil Other: ing) suggest an illic NG/TESTING (ALL Result	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen) it discharge is pre FLOWING ASSETS Typ	Sulfide Petr Sray Yellow m Grease esent (Y/N):) Sample Date bical EPA Benchmarks > 0.02 r > 1.0 m	Green Cov Sample Ti I I I I I I I I I I I I I	Relative Severity Index (1-3) 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not. obvious 2 - Some; indications of origin 3 - Some; origin clear Equipment EXTECH EC500 EXTECH EC500 EXTECH EC500 EXTECH EC500 Hach Test Strips Hach Test Strips
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash) *Do physical indica SECTION 5: ON-SII Parameter Temperature pH Specific Conductiv Chlorine Ammonia Surfactants	AL INDICA Y/N stors (flow E SAMPLI	TORS (ALL FLOWII Description Sewage Other: Clear Orange/Red Other: See severity Sewage Petroleum (oil Other: ing) suggest an illic NG/TESTING (ALL Result	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen) it discharge is pre FLOWING ASSETS Typ	Sulfide Petr Sray Yellow m Grease esent (Y/N):) Sample Date bical EPA Benchmarks > 0.02 r > 1.0 m > 0.25 r	Green Cov Sample Ti I I I I I I I I I I I I I	Relative Severity Index (1-3) 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not. obvious 2 - Some; indications of origin 3 - Some; origin clear Equipment EXTECH EC500 EXTECH EC500 EXTECH EC500 EXTECH EC500 Hach Test Strips Hach Test Strips CHEMets Detergents Kit K-940
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash) *Do physical indica SECTION 5: ON-SII Parameter Temperature pH Specific Conductiv Chlorine Ammonia Surfactants E.coli	AL INDICA Y/N https://www.secondary.org/linear/secondary.org/linear	TORS (ALL FLOWII Description Sewage Other: Clear Orange/Red Other: See severity Sewage Petroleum (oil Other: ing) suggest an illic NG/TESTING (ALL Result	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen) it discharge is pre FLOWING ASSETS Typ LAB	Sulfide Petr Sray Yellow m Grease esent (Y/N):) Sample Date bical EPA Benchmarks > 0.02 r > 1.0 n > 0.25 r > 235 cfu/	Green Cov Sample Ti I mg/L ing/L	Relative Severity Index (1- 3) 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Faint 2 – Easily detected 3 – Noticeable from a distance 1 – Slight cloudiness 2 – Cloudy 3 – Opaque 1 – Few/slight; origin not obvious 2 – Some; indications of origin 3 – Some; origin clear me Equipment EXTECH EC500 EXTECH EC500 EXTECH EC500 EXTECH EC500 Hach Test Strips Hach Test Strips CHEMets Detergents Kit K-940 To be sent to lab
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash) *Do physical indica SECTION 5: ON-SII Parameter Temperature pH Specific Conductiv Chlorine Ammonia Surfactants E.coli Enterococcus	AL INDICA Y/N https://www.secondary.org/linear/secondary.org/linear	TORS (ALL FLOWII Description Sewage Other: Clear Orange/Red Other: See severity Sewage Petroleum (oil Other: ing) suggest an illic NG/TESTING (ALL Result	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen) it discharge is pre FLOWING ASSETS Typ LAB LAB LAB	Sulfide Petr Sray Yellow m Grease esent (Y/N):) Sample Date bical EPA Benchmarks > 0.02 r > 1.0 n > 0.25 r > 235 cfu/ > 61 cfu/	Green Compared to the second	Relative Severity Index (1-3) 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear me Equipment EXTECH EC500 To be sent to lab To be sent to lab
SECTION 4: PHYSIC Indicator Odor Color (color chart) Turbidity Floatables (Does Not Include Trash) *Do physical indica SECTION 5: ON-SII Parameter Temperature pH Specific Conductiv Chlorine Ammonia Surfactants E.coli Enterococcus Sample Location	AL INDICA Y/N etors (flow re SAMPLI	TORS (ALL FLOWII Description Sewage Other: Clear Orange/Red Other: See severity Sewage Petroleum (oil Other: ing) suggest an illic NG/TESTING (ALL Result	Rancid/Sour Rancid/Sour Brown C Multi-Color Suds and Foa sheen) it discharge is pre FLOWING ASSETS Typ LAB LAB LAB	Sulfide Petr	Green Complete Sample Ti Sample Ti Ing/L Ing/L 100mL 100mL	Relative Severity Index (1-3) 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Faint 2 - Easily detected 3 - Noticeable from a distance 1 - Slight cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear me Equipment EXTECH EC500 To be sent to lab To be sent to lab







Storm Generic Inspection INSPECTION# STI0001327

Type DISCHARGE POINT

Issued: 6/18/18

spection Labor/Equip	ments/Contractors U.D.F.			
Inspection Temperature	84	Odor	Sample Date	00/00/00
Date of Last Rainfall	06/15/18	Odor Severity	Sample Time	E and the second se
Time of Last Rainfall	9:30	Color Chart	SampleTemp	
Rain Fall Amount (in.)	0.01	Color Severity	Sample Location	
Outfall Location	KENOZA ST	Turbidity		
Flow Description	NOT FOUND	Solids		
Est. Flow (gpm)	0	Floatables		
Submerged Water		Floatable Severity	Contraction of the local division of the loc	
Submerged Sediment	(Constanting of the second	DH		
Deposit/Stains		Chlorine		
Abnormal Vegatation				
Pool Quality		Specific Conductivity		
Pipe Algea Growth		Ammonia		
Outfall Damage		Surfactants		
Damage Description	Manual Property of the Party of the	Bacteria Dat	e 00/00/00	
		Bacteria Previous Rainfall Date	00/00/00	
nfrastructura Panaire		Bacteria Rainfall Amount	0	
Photo Taken	YES	E.Coli		
Number of Photos	2	Enterococcus		
		Indicators Possible Illicit		
		Non Illicit		



9/18/2018

Storm Generic Inspection INSPECTION# STI0001319

Type DISCHARGE POINT

Sub Type 0		ID LR1101	
Description Cross Co	ountry	Permit	
CROSS (COUNTRY	Cross Street	
Location Ref.	Map ID 2B-1820	Map Sheet	
Notes		Recommendations	
LR1101 COVERED IN E	DEBRIS.	REMOVE DEBRIS.	

	Inspection Type Weather Overall Condition					Adm Sys Activit Ratin	9. 9. 9.	ORMWA	ITER	
	PK UDF1 PK UDF2 PK UDF3 PK UDF4 Inspection	() Pass	ed	Failed	PK UC PK UC PK UC PK UC REF ER	DF5 DF6 DF7 DF8 M#				
Seg	Date	Type	1	Code / Description	Hrmn	Pay Type	Oty	Unit	Activity Location	
1	06/18/18 10:50	labor	TMUR00	I - TYLER MURRAY	2:30	REG			MS4 INSPEC	
2	06/18/18 10:50	labor	JDON001	- JAMES DONAHUE	2:30	REG			MS4 INSPEC	
3	06/18/18 10:50	equip	VEH-S6 -	TRACON VAN 2016 WHITE	2:30				MS4 INSPEC	

Inspector Signature _____

2

Print Name TYLER MURRAY

MS4 STORMWATER ASSET INSPECTION FORM

			11.465		51.400	UNIT	27 <u>17-1</u> 71-171	ST	Toman?
			м	S4 STORMW	ATER ASSET IN	SPECTION	FORM	STO	0001276
SECTION 1: BACK	ROUND D	ATA Inspe	ctor (Cre	2W)	Street Name/ S	tructure Locatio	n: Taylul	ST	
SSET ID (DMH,C	3,Outfall)				ou	TFALL ID:	101		
Date: 6/18/	2018				Tin	ne: 11:30an		0	
emperature:	84 .4	1			Ins	pector(s):	er Murr	ay & Ja	mes angle
coulous Procipita	tion Date	TICITA	mount		Photo	otos Taken Ye	If yes, Photo I	fumbers: 3	5
ECTION 2: ASSET	DESCRIPTIC	ON DESCRI	PTION	O.O.I.Minin	num 48 hr dry perio	od and less than	0.10 m	d Maridae I	
ocation	LIG X & LAURAL	Mat	erial	and the second second	Shape	ACCESSION PRACED	Dimension (in	No of the local distances	Submerged
RCP	CMP	PVC			(Circular		onnension (n	-1	In Water:
P									
Storm H	DPE	Steel	Clay	Other:	Elliptical	Diameter/	Dimensions:		Partially
Sewer						10	1		Fully
(Closed					Box	18	1994 C		With Sediment
Pipe)					1.000				
					Other:				No Partially Fully
DESIGNATION OF THE OWNER		allegen sterne	BRIER		STATE STATE STATE STATE	NATIONAL CONTRACTOR	STATISTICS IN CONTRACTOR	NII WEIGHTEN	SUBRESIDENT
ECTION 3: PHYSIC	AL INDICAT	TORS	A HOURSDAY	and the second second second	A THE OWNER AND A THE OWNER	A REAL PROPERTY OF LAND	and an and a state of the	ALC: NOT THE OWNER OF THE OWNER O	
ndicator	Y/N			Description				Comments	
sset Damage	Y			Spalling, Crackir	g or Chipping	Peeling Paint		dehois .	0.1.0
eposits/Stains	X	X	_	Oily	Paint	Flow Line	Other:	0.0.0	art half
ool Quality	X			Odors Color	rs Floatables	Suds	Excessive		
pe Algae/Growth				Brown Orar	ieen Other:	Other:			
Do physical indica	tors sugges	t an illicit d	ischarge	is present (Y/N):	-8- oreen	other			
ow Description				Trickle	Moderate		Substantial		
4.4441000000000000000000000000000000000	ALC: NO	被關於假 。	以高级目标	常是自己的主义是	的是是認識認知識的	建得相關的形式強	Reality .		1.1.100000000000
ECTION 4: PHYSIC	AL INDICAT	ORS (ALL	FLOWING	ASSETS)					
dicator	Y/N	Descripti	on					Relative Sev	verity Index (1-
		Sewage		Rancid/Sour	Sulfide Pr	etroleum/Gas		3) 1 - Faint	
		Other:						2 - Easily de	tected
dor								3 - Noticeat	ole from a
								distance	
olor		Clear	Bro	own Gr	ay Yello	w Green		1 – Faint	
color chart)		Orange/H	led	Multi-Color		~		2 – Eacily de	tected
		1000			/			2 – Casily de 3 – Noticeat	le from a
						1		distance	ine montra
		-		/	1 1	100	\rightarrow	1 - Slight clo	oudiness
urbidity		See sever	ity	1	NO T	1000		2 - Cloudy	
					1111			3 – Opaque	las an anno 1997
loatables		Sewage		Suds and Foam	Grease			1 – Few/sligi	ht; origin not
Does Not Include		Petroleur	n /oil she	en!				2 – Some; in	dications of
rash)		renoieur	in ton site	eny			2 B	origin	101-10
De a busical la disat	are lillouder	Other:	a littate d	1 1	- he had			3 – Some; or	igin clear
CTION S: ON SITE	SAMPLING	s/suggest a	In micit d	WING ASSETC	Cample Date	CANSTREE IN MARK		SALANA COLORA	DOT NOT DECK
rameter	JAMPLING	S/ TESTING	esult	Tunica	EPA Benchmark	1940ALADAU (1955)	ample Time	ament	and the state of the
emperature			esuit	туріса	era benchmarks		Equi	CHECEDO	
H							EXTE	CH EC500	
pecific Conductivit	Y		_			-	EXTE	CHECSOO	
hlorine					> 0.02	mg/L	Hach	Test Strins	
mmonia					> 1.0 n	ng/L	Hach	Test Strips	
urfactants					> 0.25	mg/L	CHEN	Aets Deterge	ents Kit K-9400
coli			LA	в	> 235 cfu/	/100mL	To be	sent to lab	
			LA	B	> 61 cfu/	100mL	To be	sent to lab	
nterococcus									
nterococcus Imple Location							_		









Type DISCHARGE POINT

Issued: 6/18/18

Generic Inspection #: STI0001319

pection Labor/Equip	ments/Contractors U.D.F.	and the second state		MU CAULAND		A REAL PROPERTY AND A REAL PROPERTY A REAL PROPERTY AND A REAL PRO
nspection Temperature	84	Odor	NONE		Sample Date	00/00/00
Date of Last Rainfall	06/15/18	Odor Severity	NONE		Sample Time	
Time of Last Rainfall	9:15	Color Chart	NONE		SampleTemp	
Rain Fall Amount (in.)	0.01	Color Severity	NONE		Sample Location	
Outfall Location	TAYLOR ST	Turbidity	4-CLEAR/NONE	As a state of the second s		
Flow Description	NONE	Soilds	[i i	
Est. Flow (gpm)	0	Floatables	NONE			
Submerged Water	NO	Floatable Severity	NONE			
Submerged Sediment	PARTIALLY	pH				
Deposit/Stains	NONE	Chlorine				
normal Vegatation	NONE			8.1		
Pool Quality	NONE	Specific Conductivity	/			
Pipe Algea Growth	NONE	Ammonia	R STATE			
Outfall Damage	NO	Surfactants				
Damage Description	NONE		Bacteria Date	00/00/00		
		Bacteria Prev	ious Rainfall Date	00/00/00		
frastructure Repairs		Bacteria	Rainfall Amount	0		
Photo Taken	YES	E.Coli				
Number of Photos	3	Enterococcus				
		Indicators Possible Illicit	NO	11236 2556	, E	
		Non Illicit			1.00	



9/18/2018

Storm Generic Inspection INSPECTION# STI0001318

Type DISCHARGE POINT

<u></u>			
Sub Type 0		ID LR1150	
Description Mantclair	Road	Permit	
CROSS	COUNTRY	Cross Street	
Location Ref. Map ID 11071		Map Sheet	
Notes		Recommendations	
LR1150 - OUTFALL IS	CLEAN, GOOD CONDITION		

	Overall Condition						Adm Sys. Activity STORMWATER Rating						
	PK UDF1 PK UDF2 PK UDF3 PK UDF4				PK UDF5 PK UDF6 PK UDF7 PK UDF8								
	Inspection	Passed O Failed				REF ERM#					_		
Seq	Date	Type	1	Code / Description	H	mm	Pay Type	Oty	Unit	Activity Location			
1	06/22/18 10:30	labor	JDON	01 - JAMES DONAHUE	1	:00:	REG			MS4 INSPEC			
2	06/22/18 10:30	labor	TMUR	001 - TYLER MURRAY	1	:00	REG			MS4 INSPEC			
3	06/22/18 10:30	equip	VEH-S	6 - TRACON VAN 2016 WHITE	1	:00			_	MS4 INSPEC			

Inspector Signature

2

2

Print Name JAMES DONAHUE

STORMWATER ASSET INSPECTION FORM STT #- 1318

ASSET ID (DMH,CB	Outfall) OUTFAI	L	lour	FALLID: 1 R LLC	TELAIR KID
Date: 6-	22-18		Time	e: 10:30 AM	
Temperature:	12 'F		Insp	ector(s): TM Th	
			Phot	tos Taken Y lif yes, Pho	to Numbers: 4
Previous Precipitat	ion Date 6/18/18 Amou	nt and Sons (minin	num 48 hr dry period	and less than 0.10 in)	0. Cain
Location	Asterial Material	N	2 CH 10 10 10 10 10 10 10 10 10 10 10 10 10		
RCP	CMP (PVC)		Shape	Dimension	n (in.) Submerged
1.00			Circular		In Water:
Storm H	OPE Steel Cla	y Other:	Elliptical	Diameter/Dimension	No Partially
Sewer				of an every of the tiston	Fully
(Closed			8.00	8	
Pipe)			BOX		With Sediment:
			1227		Con and a
			Other:		Fully
RESERVICENCE FAC		SALESSIS MARKED AND AND AND AND AND AND AND AND AND AN	WINDOWN WANDONE	CONTRACTOR AND A CONTRACTOR OF A CONTRACTOR	IN A STATE OF THE
SECTION 3: PHYSICA	L INDICATORS		A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR	CONTRACTOR AND ADDRESS OF ADDRES	2010年10月1日2月20日前月月月1日1日日 1月1日 1月111日 1月111日 1月111日 1月111日 1月111日 1111 1111 1111 1111 1111 1111 1111 1111
Indicator	Y/N	Description			Comments
Asset Damage	N	Spalling, Crackin	g or Chipping	Peeling Paint	
Deposits/Stains	N	Oily	Paint F	Flow Line Oth	er:
Pool Quality	N	Algan Oli ch	s Floatables	Suds Excessive	
Pipe Algae/Growth	N	Brown Oran	ge Greep O	ther	
Do physical indicate	ors suggest an illicit discha	ge is present (Y/N):	N	uner.	
low Description	NONE	Trickle	Moderate	Substanti	al
and the second	the contraction of the second s	CONSTRUCTION OF THE OWNER	3535681111月1月1日2025	的目標的和目的目的目的結果	1993年1月1日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日
C/ 11	50			1	2 – Easily detected 3 – Noticeable from a distance
WO# -	-7 ST -1	28 Gra	Y Yellow	Green	1 - Faint
				No.	2 - Easily detected
	/	N. Western		c/v	3 - Noticeable from a
		estration in		X.	distance
	6				1 60.1.1 1
			11		1 - Slight cloudiness
act	unl acar	dina	de)	2 - Cloudy
act	tual, racar	oling	N)	1 – Slight cloudiness 2 – Cloudy 3 – Opaque
act to	hal, racar	oling am	Grease)	1 – Slight Cloudiness 2 – Cloudy 3 – Opaque 1 – Few/slight; origin not obvious
act to	naintota	oling am	Grease)	1 - Slight Cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin
act to	naintetan	oling am	Grease)	1 - Slight Cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear
act to	unl, racare Maintotan	oling am esen	Grease)	1 - Slight Cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear
act to	nal, racare Maintotan	oling am esen	Grease t (Y/N): Sample Date) Sample Tim	1 - Slight Cloudiness 2 - Cloudy 3 - Opaque 1 - Few/Slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear
act to rameter mperature	naintotan	oling am esen (ypical	Grease t (Y/N): Sample Date EPA Benchmarks) Sample Tim	1 - Signt Cloudiness 2 - Cloudy 3 - Opaque 1 - Few/Slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear e- ulpment
act to to maneter mperature	maintotan Result	oling am esen Typical	Grease t (Y/N): Sample Date EPA Benchmarks) Sample Tim Eq Ex	1 - Slight Cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear e ulpment TECH EC500
act to to maneter mperature ecific Conductivity	maintotan Result	oling am esen Typical	Grease t (Y/N): Sample Date EPA Benchmarks) Sample Tim Eq EX	1 - Slight Cloudiness 2 - Cloudy 3 - Opaque 1 - Few/Slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear e ulpment TECH EC500 TECH EC500
act to to irameter mperature ecific Conductivity lorine	maintotan Result	oling am esen Typical	Grease t (Y/N): Sample Date EPA Benchmarks) Sample Tim Eq EX EX /L	1 - Slight Cloudiness 2 - Cloudy 3 - Opaque 1 - Few/Slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear e ulpment FECH EC500 FECH EC500 FECH EC500 FECH EC500
act to to arameter mperature ecific Conductivity lorine nomnia	Maintotan Result	oling am esen Typical	Grease t (Y/N): Sample Date EPA Benchmarks > 0.02 mg/ > 1.0 mg/) Sample Tim Eq EX EX L L Ha	1 - Slight Cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear e ulpment TECH EC500 TECH EC500 TECH EC500 CH EC500 ch Test Strips ch Test Strips
act to trameter mperature ecific Conductivity lorine nomnia rfactants	Maintotan Result	oling am esen strs) Typical	Grease t (Y/N): Sample Date EPA Benchmarks > 0.02 mg/ > 1.0 mg/ > 0.25 mg/) Sample Tim Eq EX EX L L Ha L L Ha	1 - Slight Cloudiness 2 - Cloudy 3 - Opaque 1 - Few/slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear e ulpment TECH EC500 TECH EC500 TECH EC500 Ch Test Strips ch Test Strips EMets Detergents Kit K-9400
act to to mperature ecific Conductivity lorine nmonia rfactants coll	Maintotan Result	am esen (esen (Typical () () () () () () () () () () () () ()	Grease t (Y/N): Sample Date EPA Benchmarks > 0.02 mg/ > 1.0 mg/ > 0.25 mg/ > 235 cfu/100	Sample Tim Eq EX EX L L Ha L CH OmL To	1 - Slight Cloudiness 2 - Cloudy 3 - Opaque 1 - Few/Slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear e CLUECED CL
rameter mperature celic Conductivity lorine monia rfactants oli terococcus pola Leastic	Maintotan Result	Aling am esen rypical AB LAB	Grease t (Y/N): Sample Date EPA Benchmarks > 0.02 mg/ > 1.0 mg/ > 0.25 mg/ > 235 cfu/100 > 61 cfu/100	Sample Tim Eq EX EX /L Hai L Hai L Hai DmL To	1 - Slight Cloudiness 2 - Cloudy 3 - Opaque 1 - Few/Slight; origin not obvious 2 - Some; indications of origin 3 - Some; origin clear e CH EC500 FECH FECS00 FECH

	Dat	e:	<u>A</u>	SSET ID.	
check Y/N	Yes		N	0	
ing		_			
			Catch		Bar
					Grate
			_	- Include	Other
	% full		Properly Alig	ned YES	NO
Positio	n Dia Size	Rim to Inlet	ASS	ET Discharges	Into:
1			Combine	Separate	
2					
3			Discharges A	sset ID	91
4					
		Rim to o	utlet		
		-	-1	2 O'clock	
		9 O'cloc	« (3 O'clo
	Position	Date Date Date Date Date Date Date Date	Date:	Date:A Date:	Date:ASSET ID. Date:ASSET ID. Date:ASSET ID. Date:ASSET ID. Date:ASSET ID. Properly Aligned YES Position Dia Size Rim to ASSET Discharges Inlet 1 Combine Separate 2 Discharges Asset ID 4 Rim to outlet 9 O'clock 9 O'clock

ļ

l

(











Type DISCHARGE POINT

Issued: 6/22/18

Generic Inspection #: STI0001318		RUNUNWING BER	L.U.S.CAR	Sacing the training of the loss	sell, and the selection
spection Labor/Equipments/Contractors U.D.F		- Provention	1 200 0	and the second se	
Inspection Temperature 72	Odor	NONE		Sample Date	00/00/00
Date of Last Rainfall 06/18/18	Odor Severity	NONE		Sample Time	
Time of Last Rainfall 20:45	Color Chart	NONE		SampleTemp	
Rain Fall Amount (in.) 0.50	Color Severity	NONE		Sample Location	
Outfall Location MONTCLAIR RD	Turbidity	NONE			
Flow Description NONE	Solids				
Est. Flow (gpm) 0	Floatables	NONE		li -	
Submerged Water NO	Floatable Severity	NONE			
Submerged Sediment NO	Hq	[
Deposit/Stains NONE	Chlorine				
Abnormal Vegatation NONE					
Pool Quality NONE	Specific Conductivity	/			
Pipe Algea Growth NONE	Ammonia	Geolegian (li	
Outfall Damage NO	Surfactants	(III)			
Damage Description NONE		Bacteria Date	00/00/00		
Samage second second	Bacteria Prev	ious Rainfall Date	00/00/00		
A LAND BUILD	Bacteria	Rainfall Amount	0		
Photo Taken VES	E.Coli	-			
Number of Photos 4	Enterococcus			R. R. M. J	
in the second seco	Indicators Possible Illicit	NO	in the second		
	Non Illicit			6	



9/17/2018

Storm Generic Inspection

INSPECTION# STI0001330

Type DISCHARGE POINT

Notes		Recommend	lations	
Location Ref.	Map ID	Map Sheet		
		Cross Street		
Description Cross Cou	ntry	Permit	040	
Sub Type 2		ID	MR1164	

	Inspection Ty Weath Overall Condit	Adm Sys. Activity STORMWATER Rating								
	PK UDF1 PK UDF2 PK UDF3 PK UDF4				РК РК РК РК		F5 F6 F7 F8			
	Inspection	O Pass	ed	Failed	REF ERM#					
Seq	Date	Type	1.555-1158	Code / Description	H	mm	Pay Type	Oty	Unit	Activity Location
1	07/06/18 08:34	labor	TMUR00	1 - TYLER MURRAY	1	:00	REG			MS4 INVEST
2	2 07/06/18 08:34 labor JDON001 - JAMES DONAHUE		1:00 REG MS4 INVEST					MS4 INVEST		
3	07/06/18 08:34 equip VEH-S6 - TRACON VAN 2016 WHIT				1	:00				MS4 INVEST

Inspector Signature _____

:

5

:

Print Name TYLER MURRAY

									21	- 286
									ST	I-1330
SECTION 1: BACKGROUN	D DATA	Rel 70 stop	TATA NEW	STORE DUCK	Calvin Manual	Come Sector Sector Sector	A CONTRACTOR OF THE OWNER	CONTRACT/	Constraints	
t Name/ Structure L	ocation	Dell	ALL	0 ((0)	CALIFORNIA SUPPORT	Contraction of the			191	and the second
ID (DMH.CB.Outfa)	10	brade	tay chu	e sa		lour	MUD MOIL	()		
Date Clarz	-		100			001	MICHO: MIKING	9	_	
6/ 1/		_				Time	8 15am			
remperature: 69	<u> </u>	TAFIR				Inspe	ector(s): CP, JV	IM		
Previous 48 Hours Precipit	tation Date	GISIN	End Time (4S MAmount(in	nches) (), 70	Phot	os Take AND NO	If yes, Number of P	hotos ()	
Maintstar Work Order No.	4	1 41.	U Tanan mile	and the same		Main	itstar Inspection No.:			
SECTION 2: ASSET DESCRI	PTION DES	CRIPTION	enter of the second		PROPERTY AND ADDRESS	COLOR DATE OF CALLS		disabilitat a ballook	10.00.000000000000000000000000000000000	CADICAL SUPERING
location			Material			Chang		Dimension fin 1	- THE PARTY AND	and the property of the second s
1000	C140	0.VC				amape	_	ownension (m.)		Submerged
(nor	CIVIE	n.				Circular				In Water;
Storm HDPE	Steel	Clay	Other:			Elliptical	Diameter/Dimensio	ins:		No Partially Fully
Sewer						1				P
Pipe)						Box		8		With Sediment:
1.000						Other:				No) Partially Fully
TATION AND ADDRESS OF TAXABLE		COLUMN DE LA COLUMN	I POR LA DIVE DE LA	And in the local division of		Construction and the second	na deservantes a			Contract 1 cont
SECTION 3: PHYSICAL INDI	CATORS	MITTEN HA	Sector Control	S. S. W. Manuel	18 HOLMONT	Addition of The	STREET, STREET,	STATISTICS.		
Indicator	Y/N	100	and store population	Description		Conversion of the second	STRUCTURE FOR STORY	1214-12-120 million 140	Comments	CONTRACTOR OF CONTRACTOR
Asset Damage		/		Spalling, Cracking o	or Chipping F	Peeling Paint	Corrosion			
Description in the second		~								
Deposits/Stains	U	1 Anna		Oily Paint	Flow Line	Other:			-	
Pool Quality	N			Odors Colors	Floatables S	iuds Excessive	Algae Oil Sheen	Other:		
Pipe Algae/Growth	40	KAOUA		Brown Orange	Green Ot	her:	e			
Do physical indicators sug	gest an Illici	t discharge is	present (Y/N):	W					and the second second	
Flow Description		C014		Tricke) AD	/	Moderate		Substantial		Notion
LUCIES PRASER INC.	Services al	North Index	ANA PARAMANA IN	A	MARINE WORKS	Manual and	relative and the second discounted	URONAL DISTANCE AND	NHUMBLAN IN FAS	ALTA ALTA ALTA ALTA ALTA
SECTION 4: PHYSICAL INDI	CATORS (A	LL FLOWING	ASSETS)		CONTRACT PACERS STATES	A DESCRIPTION OF A DESC	THE REAL PROPERTY AND ADDRESS OF THE PARTY O	And the second sec	And the second second second	
and the second sec	and the second second		122 0 0 1 C 2 2 3 1 1 5	and the second sec	Representations	and the state of the	and the second	STATE AND THE SECOND	POLLER P	
stor	Y/N	Description			inservice the	and the second	为中国的中国。 新闻学	aning and	Relative Seve	rity Index (1-3)
ntor	Y/N	Description	Panal	1/Factor - 1/5 de					Relative Seve	erity Index (1-3)
ator	Y/N	Description Sewage	Rancid	l/Sour Sulfide	e Petroleum/G	as Laundry		addrig Alvin	Relative Seve	erity Index (1-3)
ntor Odor	Y/N N	Description Sewage Other:	Rancid	l/Sour Sulfide	e Petroleum/G	as Laundry	len en e	anterte de la	Relative Seve 1 – Faint 2 – Easily dete	erity Index (1-3)
ntor Odor	Y/N N	Description Sewage Other:	Rancid	l/Sour Sulfide	e Petroleum/G	as Laundry		anterte ava	Relative Seve 1 – Faint 2 – Easily dete 3 – Noticeable	ected e from a distance
ntor Odor Color	Y/N N	Description Sewage Other: Clear	Rancid Brown	l/Sour Sulfide Gray	e Petroleum/G Yellow G	as Laundry reen Orang	e/Red Multi-Colo	x	Relative Seve 1 – Faint 2 – Easily detu 3 – Noticeable 1 – Faint	rrity Index (1-3) ected e from a distance
odor Color (color chart)	V/N N N	Description Sewage Other: Clear Other:	Rancid Brown	VSour Sulfide Gray	e Petroleum/G. Yellow Gr	as Laundry reen Orang	e/Red Multi-Colo	*	Relative Seve 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Faint 2 – Easily dete	rrity Index (1-3) ected e from a distance
Stor Odor Color (color chart)	vin N N	Description Sewage Other: Clear Other:	Rancid Brown	VSour Sulfide Gray	e Petroleum/G. Yellow Gr	as Laundry reen Orang	e/Red Multi-Colo	*	Relative Seve 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Faint 2 – Easily dete 3 – Noticeable	rrity Index (1-3) ected e from a distance ected e from a distance
Stor Odor Color (color chart)	V/N N N	Description Sewage Other: Clear Other:	Rancid Brown	VSour Sulfide Gray	e Petroleum/G. Yellow Gr	as Laundry reen Orang	e/Red Multi-Colo	*	Relative Seve 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Stiebt close	rrity Index (1-3) ected e from a distance ected e from a distance utiness
Ddor Color (color chart)	VIN N N	Description Sewage Other: Clear Other: See severity	Rancid Brown	VSour Sulfide Gray	e Petroleum/G. Yellow Gr	as Laundry reen Orang	e/Red Multi-Colo	*	Relative Seve 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Silght clou 2 – Cloudy	ected e from a distance ected e from a distance ected e from a distance udiness
ntor Ddor Color (color chart) furbidity	VIN N N	Description Sewage Other: Clear Other: See severity	Rancid Brown	VSour Sulfide Gray	e Petroleum/G. Yellow Gr	as Laundry reen Orang	e/Red Multi-Colo	*	Relative Seve 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Silght clou 2 – Cloudy 3 – Opaque	ected e from a distance ected e from a distance ected e from a distance diness
ntor Ddor Color (color chart) furbidity Nostables	V/N N N N	Description Sewage Other: Clear Other: See severity Sewage	Rancid Brown Suds an	VSour Sulfide Gray d Foam Gr	e Petroleum/G Yellow Gr	as Laundry reen Orang	e/Red Multi-Colo	*	Relative Seve 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Siight cloudy 3 – Opaque 1 – Few/slight	ected e from a distance ected e from a distance ected e from a distance diness
stor Odor Color (color chart) Furbidity Hoatables Does Not Include Trash)	VIN N N N	Description Sewage Other: Clear Other: See severity Sewage Petroleum (Rancid Brown Suds an	VSour Sulfide Gray d Foam Gr	e Petroleum/G Yellow Gr	as Laundry reen Orang	e/Red Multi-Colo	*	Relative Seve 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Slight cloudy 3 – Opaque 1 – Few/slight 2 – Some indi	ected e from a distance ected e from a distance ected e from a distance diness
ntor Ddor Color (color chart) furbidity Noatables Does Not Include Trash)	V/N N N N	Description Sewage Other: Clear Other: See severity Sewage Petroleum (Other:	Rancid Brown Suds an oil sheen)	VSour Sulfide Gray d Foam Gr	e Petroleum/G Yellow Ga	as Laundry reen Orang	e/Red Multi-Colo	*	Relative Seve 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Faint 2 – Easily dete 3 – Noticeable 1 – Slight clou 2 – Cloudy 3 – Opaque 1 – Few/slight 2 – Some; indi	ected e from a distance ected e from a distance ected e from a distance diness t; origin not obvious ications of origin its plaze
stor Odor Color (color chart) Furbidity Floatables Does Not Include Trash)	V/N N N N N N N N N N	Description Sewage Other: Clear Other: See severity Sewage Petroleum (Other: It an Illicit dis	Rancid Brown Suds an oil sheen) charge is press	//Sour Sulfide Gray d Foam Gr	e Petroleum/G Yellow Ga	as Laundry reen Orang	e/Red Multi-Colo	*	Relative Sever 1 – Faint 2 – Easily detu 3 – Noticeable 1 – Faint 2 – Easily detu 3 – Noticeable 1 – Siight clou 2 – Cloudy 3 – Opaque 1 – Few/slight 2 – Some; indi 3 – Some; orig	ected e from a distance ected e from a distance ected e from a distance diness t; origin not obvious ications of origin gin clear
stor Odor Color (color chart) furbidity Floatables Does Not Include Trash)	V/N N N N N N N N N N N N	Description Sewage Other: Clear Other: See severity Sewage Petroleum (Other: it an illicit dis	Rancid Brown Suds an oil sheen) scharge is prese	VSour Sulfide Gray d Foam Gr ent (V/N):	e Petroleum/G Yellow Gr	as Laundry reen Orang	e/Red Multi-Colo	*	Relative Sever 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Sight clou 2 – Cloudy 3 – Opaque 1 – Few/slight 2 – Some; indi 3 – Some; orig	ected e from a distance ected e from a distance ected e from a distance adiness t; origin not obvious ications of origin gin clear
stor Odor Color (color chart) Furbidity Floatables Does Not Include Trash) Do physical Indicators (floa	V/N N N N N N N N N N N N N N N N N N N	Description Sewage Other: Clear Other: See severity Sewage Petroleum (Other: it an illicit dis	Rancid Brown Suds an oil sheen) scharge is press	VSour Sulfide Gray d Foam Gr ent (V/N):	e Petroleum/G Yellow Gr	as Laundry reen Orang Sample Date	e/Red Multi-Colo	×	Relative Sever 1 - Faint 2 - Easily detu 3 - Noticeable 1 - Faint 2 - Easily detu 3 - Noticeable 1 - Siight clou 2 - Cloudy 3 - Opaque 1 - Few/slight 2 - Some; indi 3 - Some; orig	erity Index (3-3) ected e from a distance ected e from a distance adiness t; origin not obvious ications of origin gin clear
stor Odor Color (color chart) furbidity Floatables Does Not Include Trash) Do physical Indicators (floo IECTION 5: ON-SITE SAMPI Parameter	V/N N N N N N N UNG/TESTIN	Description Sewage Other: Clear Other: See severity Sewage Petroleum (Other: it an Illicit dis	Rancid Brown Suds an oil sheen) charge Is press riNG ASSETS) Result	//Sour Sulfide Gray Id Foam Gr	e Petroleum/G Yellow Gr rease	as Laundry reen Orang Sample Date	e/Red Multi-Colo	* Equipment	Relative Sever 1 - Faint 2 - Easily deta 3 - Noticeable 1 - Faint 2 - Easily deta 3 - Noticeable 1 - Siight clou 2 - Cloudy 3 - Opaque 1 - Few/slight 2 - Some; indi 3 - Some; orig	erity Index (3-3) ected e from a distance ected e from a distance adiness t; origin not obvious ications of origin gin clear
stor Odor Color Color Color chart) Furbidity Floatables Does Not Include Trash) Do physical Indicators (flor ECTION 5: ON-SITE SAMPLe Parameter Temperature Temper	V/N N N N N N N N N	Description Sewage Other: Other: See severity Sewage Petroleum (Other: it an Illicit dis	Rancid Brown Suds an oil sheen) charge Is prese r/ING ASSETS) Result 19.6	//Sour Sulfide Gray Id Foam Gr	e Petroleum/G Yellow Gr rease	as Laundry reen Orang Sample Date	e/Red Multi-Colo	* Equipment EXTECH ECS00	Relative Sever 1 - Faint 2 - Easily deta 3 - Noticeable 1 - Faint 2 - Easily deta 3 - Noticeable 1 - Siight clou 2 - Cloudy 3 - Opaque 1 - Few/slight 2 - Some; indi 3 - Some; orig	erity Index (3-3) ected e from a distance ected e from a distance diness t; origin not obvious ications of origin gin clear
stor Odor Color Color Color Color chart) Furbidity Floatables Does Not Include Trash) Do physical Indicators (flov ECTION 5: ON-SITE SAMPL Parameter Temperature SH		Description Sewage Other: Other: See severity Sewage Petroleum (Other: it an Illicit dis	Rancid Brown Suds an oil sheen) charge is prese riNG ASSETS) Result 19,6	VSour Sulfide Gray Id Foam Gr	e Petroleum/G Yellow Gr rease	as Laundry reen Orang Sample Date	e/Red Multi-Colo	# Equipment EXTECH ECSOO EXTECH ECSOO	Relative Seve 1 - Faint 2 - Easily deta 3 - Noticeable 1 - Faint 2 - Easily deta 3 - Noticeable 1 - Slight clou 2 - Cloudy 3 - Opaque 1 - Few/slight 2 - Some; indi 3 - Some; orig	erity Index (3-3) ected e from a distance ected e from a distance diness t; origin not obvious ications of origin gin clear
stor Ddor Color Color Color chart) Furbidity Tootables Does Not Include Trash) Do physical Indicators (flow ECTION 5: ON-SITE SAMPL Farameter Temperature Th Decific Conductivity		Description Sewage Other: Other: See severity Sewage Petroleum (Other: it an Illicit dis	Rancid Brown Suds an oil sheen) charge is prese riNG ASSETS) Result 19,6 6,5 8,34 p	VSour Sulfide Gray Ind Foam Gr Int (V/N):	e Petroleum/G Yellow Gr rease	as Laundry reen Orang Sample Date	e/Red Multi-Colo	# Equipment EXTECH ECSOO EXTECH ECSOO EXTECH ECSOO EXTECH ECSOO	Relative Seve 1 - Faint 2 - Easily deta 3 - Noticeable 1 - Faint 2 - Easily deta 3 - Noticeable 1 - Slight clou 2 - Cloudy 3 - Opaque 1 - Few/slight 2 - Some; indi 3 - Some; orig	erity Index (3-3) ected e from a distance ected e from a distance diness t; origin not obvious ications of origin gin clear
stor Ddor Color Color Color chart) Furbidity Floatables Does Not Include Trash) Do physical Indicators (flow ECTION 5: ON-SITE SAMPL Farameter emperature AH pecific Conductivity Chlorine	V/N N N N N wing) sugge	Description Sewage Other: Other: See severity Sewage Petroleum (Other: it an Illicit dis	Rancid Brown Suds an oil sheen) charge is prese riNG ASSETS) Result 19,6 6,5 8,34 0	VSour Sulfide Gray Ind Foam Gr Int (V/N):	e Petroleum/G Yellow Gr rease	as Laundry reen Orang Sample Date nchmarks > 0.02 mg/	e/Red Multi-Colo	Equipment EXTECH ECSOO EXTECH ECSOO EXTECH ECSOO EXTECH ECSOO Hach Test Strips	Relative Seve 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Siight clou 2 – Cloudy 3 – Opaque 1 – Few/slight 2 – Some; indi 3 – Some; orig	erity Index (3-3) ected e from a distance ected e from a distance diness t; origin not obvious ications of origin gin clear
stor Odor Color Color Color Color Color chart) Furbidity Floatables Does Not Include Trash) Do physical Indicators (floatables Coophysical Indicators (floatables) Coophysical Indicators (floatables) Coophysical Indicators (floatable) Coophysical Indicators (flo	V/N N N N N N N N N N N N N N N	Description Sewage Other: Other: See severity Sewage Petroleum (Other: it an Illicit dis	Rancid Brown Suds an oil sheen) charge is prese //NG ASSETS) Result 19,6 6,5 8,34 0 0	//Sour Sulfide Gray d Foam Gr ent (Y/N):	e Petroleum/G Yellow Gr rease	as Laundry reen Orang Sample Date nchmarks > 0.02 mg/ > 10 mg/t	e/Red Multi-Colo	Equipment EXTECH ECSOO EXTECH ECSOO EXTECH ECSOO EXTECH ECSOO Hach Test Strips Hach Test Strips	Relative Seve 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Siight clou 2 – Cloudy 3 – Opaque 1 – Few/slight 2 – Some; indi 3 – Some; orig	erity Index (3-3) ected e from a distance ected e from a distance diness t; origin not obvious ications of origin gin clear
stor Odor Color Color Color Color Color chart) Furbidity Floatables Does Not Include Trash) Do physical Indicators (float arameter femperature SH ipecific Conductivity Chlorine Immonia Surfactants Secure Color	V/N N N N N wing) sugger	Description Sewage Other: Clear Other: See severity Sewage Petroleum (Other: it an illicit dis	Rancid Brown Suds an oil sheen) charge is prese //NG ASSETS) Result 19.6 6.5 8.34 0 0	VSour Sulfide Gray d Foam Gr ent (V/N):	e Petroleum/G Yellow Gr rease	as Laundry reen Orang Sample Date nchmarks > 0.02 mg/ > 10 mg/t > 0.25 mg/	e/Red Multi-Colo	Equipment EXTECH ECSOO EXTECH ECSOO EXTECH ECSOO Hach Test Strips Hach Test Strips ChiEMels Deturge	Relative Seve 1 - Faint 2 - Easily deta 3 - Noticeable 1 - Faint 2 - Easily deta 3 - Noticeable 1 - Siight clou 2 - Cloudy 3 - Opaque 1 - Few/slight 2 - Some; indi 3 - Some; orig	ected e from a distance ected e from a distance ected e from a distance adiness t; origin not obvious ications of origin gin clear Sent to lab
stor Odor Color Color Color Color chart) Furbidity Floatables Does Not Include Trash) Do physical Indicators (floatables Coophysical Indicators (floatables) Coophysical Indic	V/N N N N N wing) sugge	Description Sewage Other: Clear Other: See severity Sewage Petroleum (Other: it an illicit dis	Rancid Brown Suds an oil sheen) charge is prese riNG ASSETS) Result 19,6 6,5 8,34 0 0	VSour Sulfide Gray d Foam Gr ant (V/N): 7 S 2 Y 3 LAB	e Petroleum/G	as Laundry reen Orang Sample Date nchmarks > 0.02 mg/ > 1.0 mg/t > 0.25 mg/ > 235 cfu/100	e/Red Multi-Colo	Equipment EXTECH ECSOO EXTECH ECSOO EXTECH ECSOO Hach Test Strips Hach Test Strips Hach Test Strips CHEMete Deterge To be sent to lab	Relative Seve 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Sight clou 2 – Cloudy 3 – Opaque 1 – Few/slight 2 – Some; indi 3 – Some; orig	rity Index (3-3) ected e from a distance ected e from a distance diness diness t; origin not obvious ications of origin gin clear Sent to lab
stor Odor Color Color Color Color Color Color chart) Furbidity Floatables Does Not Include Trash) Do physical Indicators (float ECTION 5: ON-SITE SAMPL Varameter emperature H pecific Conductivity Zhlorine Immonia urfactants coli Interococcus	V/N N N N N wing) sugge	Description Sewage Other: Clear Other: See severity Sewage Petroleum (Other: it an illicit dis	Rancid Brown Suds an oil sheen) charge is prese riNG ASSETS) Result 19,6 6,5 8,34 0 0	//Sour Sulfide Gray d Foam Gr ent (Y/N): 7 5 2 43 LAB LAB LAB	e Petroleum/G	as Laundry reen Orang Sample Date nchmarks > 0.02 mg/ > 1.0 mg/t > 0.25 mg/ > 2.35 cfu/100 > 61 cfu/100	e/Red Multi-Colo	Equipment EXTECH ECSOO EXTECH ECSOO EXTECH ECSOO Hach Test Strips Hach Test Strips CHEMete Deturge To be sent to lab To be sent to lab	Relative Seve 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Sight clou 2 – Cloudy 3 – Opaque 1 – Few/slight 2 – Some; indi 3 – Some; orig	ected e from a distance ected e from a distance ected e from a distance diness t; origin not obvious ications of origin gin clear Sent to lab
stor Odor Color Color Color Color Color chart) Iurbidity Iootables Does Not Include Trash) Do physical Indicators (flow ECTION 5: ON-SITE SAMPL arameter emperature H pecific Conductivity Pilorine mmonila urfactants coli nterococcus ample Location	V/N N N N N wing) sugge	Description Sewage Other: Clear Other: See severity Sewage Petroleum (Other: It an illicit dis IG (ALL FLOW	Rancid Brown Suds an oil sheen) charge is prese riNG ASSETS) Result 19,6 6,5 8,34 0 0	VSour Sulfide Gray d Foam Gr ent (V/N): 7 S V V X LAB LAB	e Petroleum/G	as Laundry reen Orang Sample Date nchmarks > 0.02 mg/ > 1.0 mg/t > 0.25 mg/ > 2.35 cfu/100 > 61 cfu/100	e/Red Multi-Colo	Equipment EXTECH ECSOO EXTECH ECSOO EXTECH ECSOO EXTECH ECSOO Hach Test Strips Mach Test Strips ChEMete Deturger To be sent to lab To be sent to lab	Relative Seve 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Faint 2 – Easily deta 3 – Noticeable 1 – Sight clou 2 – Cloudy 3 – Opaque 1 – Few/slight 2 – Some; indi 3 – Some; orig	ected e from a distance ected e from a distance ected e from a distance adiness t; origin not obvious ications of origin gin clear Sent to lab
stor Ddor Color Color Color Color chart) Iurbidity Iootables Does Not Include Trash) Do physical Indicators (flor ECTION 5: ON-SITE SAMPL arameter emperature H pecific Conductivity hiorine mmonia urfactants coll nterococcus smple Location ON-ILLICIT DISCHARGE CO	V/N N N N N N N N N N N N N N N N N N N	Description Sewage Other: Clear Other: See severity Sewage Petroleum (Other: it an illicit dis IG (ALL FLOW	Rancid Brown Suds an oil sheen) charge is prese riNG ASSETS) Result 19,6 6,5 8,34 0 0 0	VSour Sulfide Gray d Foam Gr ent (V/N): 1 S 2 V3 LAB LAB LAB LAB	e Petroleum/G	as Laundry reen Orang Sample Date nchmarks > 0.02 mg/ > 1.0 mg/t > 0.25 mg/ > 235 cfu/100 > 61 cfu/100	e/Red Multi-Colo	Equipment EXTECH ECSOO EXTECH ECSOO EXTECH ECSOO EXTECH ECSOO Hach Test Strips Mach Test Strips CHEMete Deturger To be sent to lab To be sent to lab	Relative Seve 1 - Faint 2 - Easily deta 3 - Noticeable 1 - Faint 2 - Easily deta 3 - Noticeable 1 - Siight clou 2 - Cloudy 3 - Opaque 1 - Few/slight 2 - Some; indi 3 - Some; orig	ected e from a distance ected e from a distance ected e from a distance adiness t; origin not obvious ications of origin gin clear Sent to lab

Labor = 1 hour

Inspector:	Maran di S	HAR FULL	A	SSET GIS IN Date:	NSPECTION F	ORM	ASSET ID.		(
	d shash W	NI .		Vaa			10		
Is the outlet submerge	a check Y/	N		res		r			
	CATCH B	ASIN ME	ASURE	MENTS	Contraction of the	Catch	Basin Gra	te Type :	Bar
Depth to Sump (ft.)									Grate
Depth to Outlet (ft.)									Other
Depth to Grit (ft.)			%	full		Properly Alig	ned:	YES	NO
	CONNEC	TION ME	ASURE	MENTS		1			
Clock position from outlet discharge		Position 12 o'clo	(ex. ock)	Dia Size	Rim to Inlet		ASSET D	ischarges Into	:
1. Inlet Dia. (in)=	1					Combine		Separate	
2. Inlet Dia. (in)=	2								
3. Inlet Dia. (in)=	3					Discharge A	sset ID		
4. Inlet Dia. (in)=	4								
5. Inlet Dia. (in)=	5								
6. Inlet Dia. (in)=	6			100 m					
Outlet Dia. (in)=			R	im to outlet:					
Comments:					_	Draw Connecti	ions and La	bel by Number	(
					9 O'clock 			$\Big>$	3 O'clock
					-		Discharge	0	

1



TYPE DISCHARGE POINT

Issued: 6/27/18

spection Labor/Equip	ments/Contractors U.D.F.		Vinter Starter	New How House	
Inspection Temperature	69	Odor	NONE	Sample Date	06/27/18
Date of Last Rainfall	06/25/18	Odor Severity	NONE	Sample Time	8:15 AM
Time of Last Rainfall	06:45	Color Chart	NONE	SampleTemp	
Rain Fall Amount (in.)	0.74	Color Severity	NONE	Sample Location	Bethany Ave
Outfall Location	BETHANY AVE	Turbidity	NONE	1	
Flow Description	MODERATE	Soilds		Ĩ.	
Est. Flow (gpm)	5.00	Floatables	NONE		
Submerged Water	NO	Floatable Severity	4-CLEAR/NONE	1	
Submerged Sediment	NO	pH	6.5	ī	
Deposit/Stains	NONE	Chlorine	0	ĩ	
Abnormal Vegatation	NONE				
Pool Quality	NONE	Specific Conductivity	y 234]	
Pipe Algea Growth	NONE	Ammonia	0		
Outfall Damage	NO	Surfactants	0.43	1	
Damage Description	NONE	I	Bacteria Date 00/00/00]	
		Bacteria Prev	lous Rainfall Date 00/00/00]	
Infrastructure Repairs		Bacteria	Rainfall Amount 0	6	
Photo Taken	NO	E.Coli]	
Number of Photos		Enterococcus	1		
		Indicators Possible Illicit	NO		
		Non Illicit			



9/17/2018

Storm Generic Inspection INSPECTION# STI0001329

Type DISCHARGE POINT

Notes		Recommend	lations	
Location Ref.	Map ID 9161	Map Sheet		
CROSS C	OUNTRY	Cross Street		
Description Cross Cou	intry	Permit		
Sub Type 0		ID		

-	Inspection Ty Weath Overall Condit	ion			Adm Sys. Activity STORMWATER Rating						
	PK UDF1 PK UDF2 PK UDF3 PK UDF4				PK UI PK UI PK UI	DF5 DF6 DF7					
	Inspection	() Pass	ed	Failed	REF ERM#						
Seq	Date	Type		Code / Description	Hrm	n Pay Type	Oty	Unit	Activity Location		
1	06/27/18 09:06	labor	TMUR001 -	TYLER MURRAY	1:00	REG			MS4 INVEST		
2	2 06/27/18 09:07 labor JDON001 - JAMES DONAHUE		JAMES DONAHUE	1:00	REG			MS4 INVEST			
3	06/27/18 09:07	equip	VEH-S6 - T	RACON VAN 2016 WHITE	1:00				MS4 INVEST		

Inspector Signature ____

1

:

:

Print Name TYLER MURRAY

						ST-199	
						512-1529	
SECTION 1: BACKGROUND DA	ATA		10. State 1983	652	2.40.42.547月夏		
Name/ Structure Locat	tion: Woodre	xK AVR					
			ou	TFALLID: UNKO9	51		
Date: 6/27			Tier	e to Uny an	<u>.</u>		
Temperature: 00	·F		Inst	sector(s) (A The T	0		
	- nul 12011	Sedtime (111 - Amount frate	1 071	CHARTER VACU	-	4	
Previous 48 Hours Precipitatio	an Darie ([[]	Pena nime (. 1) M Amountinene	50 U.79 Pho	tos taxen up 10 11 y	es, Number of Photos:		
Maintstar Work Order No.:	CONTRACTOR OF STREET, S		Ма	intstar Inspection No.:		<i>2</i>	
SECTION 2: ASSET DESCRIPTIO	ON DESCRIPTION	Setting of the second	State of the second second	States and the states of the	Call Control C	STATUS PROVIDENTS	
Location		Material	Shape	Oim	tension (in.)	Submerged	
(RCP)	CMP PVC		Circular			In Water	
<u> </u>	1992 - 1993) 1993						
Storm HOPE S	Steel Clay	Other:	Elliptical	Diameter/Dimensions:		(No) Partially Fully	
Sewer	Sewer		Box			With Sediment:	
Pipe)						Attacked and a second second	
010197			Other:			No Partially Fully	
VI DOLLAR DE LA COMPANY	WILLIAM COLUMN		and the second	CONTRACTOR DE LA CARGO DE LA C		V	
SECTION 3: PHYSICAL INDICAT	TORS	and the second	an and the second second	Republication and the second	utaranana ma		
Indicator	Y/N	Description			Com	ments	
Asset Damage	N/	Spalling, Cracking or C	hipping Peeling Paint	Corrosion			
Deposits/Stains	1()	Oily Paint	(Flow Line) Other:				
or position and	1X						
Pool Quality	N	Odors Colors	Floatables Suds Excession	re Algae Ol Sheen Ot	(her:		
Pioe Algae/Growth	11	Brown Orange	Green Other:				
	1/1/		CREATER IN CONTRACTOR				
*Do physical indicators sugges	t an illicit discharg	e is present (1/10)					
Flow Description	GPM	Trickle	(Moderate)	Su	ubstantial	No Flow	
POINT CONTRACTOR OF THE OWNER		CONTRACTOR AND A STATE OF A DATA AND A		NUMBER OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION	And the second second second	WATER PROPERTY AND A DESCRIPTION OF A DE	
SECTION 4: PHYSICAL INDICAT	TORS (ALL FLOWIN	(G ASSETS)				WHERE AN END AND	
ntor Y	/N Descript	lon			Relati	ive Severity Index (1-3)	
	Sewage	Rancid/Sour Sulfide	Petroleum/Gas Laundry	8	1-Faint		
Odat	A / Other		Charles and a second		2-5	ally detected	
COOK	N				2-60	niny belected	
	-		Alexandra Contractor	a an anna an	3-NO	proceable from a distance	
Color	L Clear	Brown Gray Y	ellow Green Ora	nge/Red Multi-Color	1-Fa	Int	
(color chart)	A/ Other:				2-Ea	sily detected	
· · · · · · · · · · · · · · · · · · ·	•				3-No	sticeable from a distance	
PARTIE:		STATE OF			1 – Sli	ght cloudiness	
Turbidity	A See seve	rity			2 - Ck	oudy	
/	V				3-0	super	
Floatables / Sewage Suds :		Suds and Foam Great	se		1-Fe	w/slight; origin not obvious	
(Does Not Include Trash)	N Petroleu	m (oil sheen)			2 - So	me; Indications of origin	
	Other:				3 - 50	me; origin clear	
*Do physical indicators (flowin	g) suggest an illicit	discharge is present (Y/N):					
WATCHING BOARD AND ADDRESS OF ADDRESS OF		Contraction of the second second				CALCULATION OF COMPANY OF COMPANY	
SECTION 5: ON-SITE SAMPLING	G/TESTING (ALL FI	OWING ASSETS)	Sample Date	Sample Time			
Parameter Result		Result	Typical EPA Benchmarks Equi		quipment	ment	
Temperature 17,		17.7		E	XTECH ECS00		
он 6,49		6,44		E	XTECH ECSOD		
Specific Conductivity		525 en 525 en 5		EXTECH ECSO		500	
Chlorine	_	0	>0.02 m	>0.02 mg/L Hach Test Strips			
Ammonia		0	>10mg	>10 mg/L Hach Test Stri		fps	
Surfactants		01141 0.08	>0.25 m	er s	tit Mels Detergents Kit	KOOOD SENT TO LAB	
E.coli		1.05	> 235 cfu/1	uumu Te	To be sent to lab		
		140	- 41 - 4 - 10	Vint	a ha cont to lab		
Enterococcus		LAB	>61 cfu/10	DomL T	o be sent to lab		
Enterococcus Sample Location		LAB	> 61 cfu/10	90mL T	o be sent to lab		
Enterococcus Sample Location NON-ILLICIT DISCHARGE CONC	CERNS (e.g. trash o	LAB	>61 cfu/10	00mL T	o be sent to lab		
Enterococcus Sample Location NON-ILLICIT DISCHARGE CONG Comments	CERNS (e.g. trash o	LAB Infrastructure repairs)?	>61 cfw/14	DOrmL T	o be sent to lab		





Issued: 6/27/18

Storm Generic Inspection

TYPE DISCHARGE POINT

Generic Inspection #: STI0001329 U.D.F. Inspection Labor/Equipments/Contractors Inspection Temperature 69 Odor NONE 06/27/18 Sample Date Date of Last Rainfall 06/25/18 Odor Severity NONE Sample Time :00 Time of Last Rainfall 06:45 SampleTemp Color Chart MULTICOLOF Rain Fall Amount (in.) 0.74 Sample Location WOODCOCK AVE Color Severity NONE Outfall Location WOODCOCK AVE Turbidity NONE Flow Description MODERATE Solids Est. Flow (gpm) 0.50 Floatables NONE Submerged Water Floatable Severity NONE Submerged Sediment NO pH 6.49 Deposit/Stains ELOW LINE Chlorine 0 Abnormal Vegatation NONE **Specific Conductivity 525** Pool Quality NONE Pipe Algea Growth NONE Ammonia Outfall Damage NO Surfactants 0.08 00/00/00 **Bacteria Date** Damage Description NONE **Bacteria Previous Rainfall Date** 00/00/00 **Bacteria Rainfall Amount** 0 Infrastructure Repairs E.Coli 387.3 Photo Taken YES Enterococcus Number of Photos 1 Indicators Possible Illicit NO Non Illicit



9/17/2018

Storm Generic Inspection

INSPECTION# STI0001325

Type DISCHARGE POINT

Notes		Recommend	lations	
Location Ref.	Map ID 13196	Map Sheet		
CROSS CO	UNTRY	Cross Street		
Description Cross Coun	trv	Pormit		
Sub Type 0		ID	UNK1015	

	Inspection Ty Weath Overall Condit	ner ion			Adm Sys Activity Rating	V sto 9	ORMWA	TER
	PK UDF1 PK UDF2 PK UDF3 PK UDF4 Inspection	Pass	ed O Failed	PK UC PK UC PK UC PK UC REF ER	0F50F60F70F80F80M#			
Seq	Date	Type	Code / Description	Hrmm	Pay Type	Qty	Unit	Activity Location
1	06/18/18 11:30	labor	TMUR001 - TYLER MURRAY	1:30	REG			MS4 INSPEC
2	06/18/18 11:30	labor	JDON001 - JAMES DONAHUE	1:30	REG			MS4 INSPEC
3	06/18/18 11:30	equip	VEH-S6 - TRACON VAN 2016 WHITE	1:30				MS4 INSPEC

Inspector Signature _____

:

1

:

Print Name TYLER MURRAY

					51-1218	7-	7-12/1-
SECTION 1: BACKGR	DUND DATA In	spector (Crew	James Brok	, Street Name/	Structure Location:	Chadani	h Pol
SSET ID (DMH,CB,C	utfall) 0	atfall	0	0	OUTFALL ID: UNK /	015,000	tetetel.
Date: 6-/8	-18			T	ime: 11:30 AM		
Temperature: 5	6 F			li	nspector(s): Server 25	while , Jy	61 Mussar
Provious Procipitatio	Data ihr Al	Amount da	t de la	P 49 be down or	notos Taken / If yes,	Photo Numbers	: 2
SECTION 2: ASSET D	SCRIPTION DE	CRIPTION	(minimu	m 48 nr dry per	riod and less than 0.10 II		exception and a state of the
Location	Seminiterine	Material		Shane	Dimen	sion (in)	Submargad
RCP	(CMP) P	VC		Circular		stort (may	In Water:
	\bigcirc						
Storm HDF	E Steel	Clay	Other:	Elliptical	Diameter/Dimens	sions:	No Partially
Sewer					1.01		Fully
(Closed				Box	12		With Sediment
Pipe)							what securiert.
							No Partially
				Other:			Fully
AND STATISTICS OF ICCOMPANY AND		Protest and		ACCORD NO.	HOLE REPORT AND ADDRESS OF	No. of Concession, Name	AND
SECTION 3: PHYSICAL	INDICATORS	HIDRON CONTRACTOR		ank too human in the part of the		and a state of the second s	NATION AND ADDRESS OF
ndicator	Y/N	In	escription			Commo	nts
Asset Damage	Minute	V St	balling, Cracking	or Chipping	Peeling Paint	-MAK	KANAKAA.
Deposits/Stains	N	0	ily	Paint	Flow Line	Other:	and the second
Pool Quality		0	dors Colors	Floatables	Suds Exces	sive	
Pool Quality	N	A	gae Oil Shee	en Other:			
Pipe Algae/Growth	N.	Br	own Orange	e Green	Other:		
Do physical indicato	's suggest an illi	cit discharge is	present (Y/N):	N			<u>()</u>
low Description	CONTRACTOR OF AN ADDRESS	11	ickle	(Moderate)	Subst	antial	NOWE
COLONIA DUVELCAL	INDICATORS (Service States C	3.000000000000000000000000000000000000	和资源的自己的结构	
SECTION 4: PHISICAL	INDICATORS ()	ALL FLOWING A	55215/			Relative	Soughty Index 11
ndicator	/N Desc	ription				31	Sevency index [1-
	Sewa	ge I	Rancid/Sour	Sour Sulfide Petroleum/Gas		1 - Faint	t
Idar	Othe	r:				2 - Easily detected	
Juor						3 – Notic	ceable from a
						distance	
olor	Clear	Clear Brown Gray Yellow Green Orange/Red Multi-Color Other:					
	Othe						2 - Fasily detected
color chart)				NO FUU		3 - Notic	ceable from a
color chart)						distance	distance
color chart)							
color chart)						100 100 100 100 100 100 100 100 100 100	and the second
color chart) Turbidity	See s	everity				2 - Cloud	aγ
color chart) 'urbidity	See s	everity				2 – Cloue 3 – Opac	lne DÀ
color chart) 'urbidity loatables	See s	everity ge Si	uds and Foam	Grease		2 – Cloue 3 – Opac 1 – Few/	ay que slight; origin not
color chart) 'urbidity loatables Does Not Include	See si	everity ge Si	uds and Foam	Grease		2 – Cloud 3 – Opac 1 – Few/ obvious 2 – Some	ay que slight; origin not e; indications of
color chart) 'urbidity loatables Does Not Include 'rash)	See si Sewa Petro	everity ge Si leum (oil sheen	uds and Foam)	Grease		2 Cloud 3 Opad 1 Few/ obvious 2 Some origin	ay que slight; origin not e; indications of
color chart) 'urbidity loatables Does Not Include 'rash)	See so Sewa Petro Other	everity ge Si leum (oil sheen	uds and Foam)	Grease		2 - Cloud 3 - Opac 1 - Few/ obvious 2 - Some origin 3 - Some	ay jue slight; origin not e; indications of e; origin clear
color chart) 'urbidity loatables Does Not Include 'rash) Do physical indicator	See so Sewa Petro Other s (flowing) sugg	everity ge Si leum (oil sheen r: est an illicit disc	uds and Foam) harge is present	Grease (Y/N):		2 – Cloud 3 – Opac 1 – Few/ obvious 2 – Some origin 3 – Some	ay jue slight; origin not e; indications of e; origin clear
color chart) Turbidity loatables Does Not Include rash) Do physical indicator ECTION 5: ON-SITE S	See so Sewa Petro Other s (flowing) sugg- AMPLING/TESTI	everity ge Si leum (oil sheen r: est an illicit disc ING (ALL FLOWI	uds and Foam) harge is present NG ASSETS)	Grease (Y/N): Sample Date	Sample	2 - Cloud 3 - Opac 1 - Few/ obvious 2 - Some origin 3 - Some	ay jue slight; origin not e; indications of e; origin clear
color chart) urbidity loatables Does Not Include rash) Do physical indicator ECTION 5: ON-SITE S larameter	See si Sewa Petro Other s (flowing) sugg AMPLING/TESTI	everity ge Si leum (oil sheen r: est an illicit disc iNG (ALL FLOW) Result	uds and Foam) harge is present NG ASSETS) Typical E	Grease (Y/N): Sample Date PA Benchmark:	Sample	2 - Cloud 3 - Opac 1 - Few/ obvious 2 - Some origin 3 - Some	ay jue slight; origin not e; indications of e; origin clear
color chart) urbidity loatables Does Not Include rash) Do physical indicator ECTION 5: ON-SITE S larameter emperature	See si Sewa Petro Other s (flowing) sugg AMPLING/TESTI	everity ge Si leum (oil sheen r: est an illicit disc iNG (ALL FLOW) Result	uds and Foam) harge is present NG ASSETS) Typical E	Grease (Y/N): Sample Date PA Benchmark:	Sample	2 - Cloud 3 - Opac 1 - Few/ obvious 2 - Some origin 3 - Some Time Equipment EXTECH ECSO	ay jue slight; origin not e; indications of e; origin clear
color chart) urbidity loatables Does Not Include rash) Do physical indicator ECTION 5: ON-SITE S 'arameter emperature H posific Cooductivity	See si Sewa Petro Other s (flowing) sugg AMPLING/TESTI	everity ge Si leum (oil sheen r: est an illicit disc ING (ALL FLOW) Result	uds and Foam) harge is present NG ASSETS) Typical E	Grease (Y/N): Sample Date_ PA Benchmark:	Sample	2 - Cloud 3 - Opac 1 - Few/ obvious 2 - Some origin 3 - Some Time Equipment EXTECH ECSO EXTECH ECSO	ay yue slight; origin not e; indications of e; origin clear 0 0 0
color chart) urbidity loatables Does Not Include (rash) Do physical indicator ECTION 5: ON-SITE S (arameter emperature H pecific Conductivity blorine	See s Sewa Petro Other s (flowing) sugg AMPLING/TESTI	everity ge Si leum (oil sheen r: est an illicit disc ING (ALL FLOW) Result	uds and Foam) harge is present NG ASSETS) Typical E	Grease (Y/N): Sample Date PA Benchmark:	Sample S	2 - Cloud 3 - Opac 1 - Few/ obvious 2 - Some origin 3 - Some Time Equipment EXTECH ECSO EXTECH ECSO EXTECH ECSO Unch ECSO	ay yue slight; origin not e; indications of e; origin clear 0 0 0 0
color chart) "urbidity loatables Does Not Include (rash) Do physical indicator ECTION 5: ON-SITE S "arameter emperature H pecific Conductivity hlorine mmonia	See s Sewa Petro Other s (flowing) sugg AMPLING/TESTI	everity ge Si leum (oil sheen r: est an illicit disc ING (ALL FLOW) Result	uds and Foam) harge is present NG ASSETS) Typical E	Grease (Y/N): Sample Date PA Benchmark: > 0.07	Sample s 2 mg/L	2 - Cloud 3 - Opac 1 - Few/ obvious 2 - Some origin 3 - Some Time Equipment EXTECH ECSO EXTECH ECSO EXTECH ECSO Hach Test Str	ay yue slight; origin not e; indications of e; origin clear 0 0 0 0 0
color chart) "urbidity loatables Does Not Include (rash) Do physical indicator ECTION 5: ON-SITE S "arameter emperature H pecific Conductivity hlorine urfactants	See s Sewa Petro Other s (flowing) sugg AMPLING/TESTI	everity ge Si leum (oil sheen r: est an illicit disc ING (ALL FLOW) Result	uds and Foam) harge is present NG ASSETS) Typical E	Grease (Y/N): Sample Date_ PA Benchmark: > 0.0 > 1.0 > 0.2	Sample s 2 mg/L 5 mg/L 5 mg/L	2 - Cloud 3 - Opac 1 - Few/ obvious 2 - Some origin 3 - Some Time Equipment EXTECH ECSO EXTECH ECSO EXTECH ECSO Hach Test Str Hach Test Str	ay yue slight; origin not e; indications of e; origin clear 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1
color chart) urbidity loatables Does Not Include rash) Do physical indicator ECTION 5: ON-SITE S larameter emperature H pecific Conductivity hlorine urfactants .coli	See s Sewa Petro Other s (flowing) sugg AMPLING/TESTI	everity ge Si leum (oil sheen r: est an illicit disc ING (ALL FLOWI Result	uds and Foam) harge is present NG ASSETS) Typical E	Grease (Y/N): Sample Date PA Benchmark: > 0.0; > 1.0 > 0.25	Sample s 2 mg/L 9 mg/L 5 mg/L 100ml	2 - Cloud 3 - Opac 1 - Few/ obvious 2 - Some origin 3 - Some Time Equipment EXTECH ECSO EXTECH ECSO EXTECH ECSO Hach Test Str Hach Test Str CHEMets Det	ay gue slight; origin not e; indications of e; origin clear 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0
color chart) urbidity loatables Does Not Include rash) Do physical indicator ECTION 5: ON-SITE S arameter emperature H pecific Conductivity hlorine mmonia urfactants .coli nterococcus	See s Sewa Petro Other s (flowing) sugg AMPLING/TESTI	everity ge Si leum (oil sheen r: est an illicit disc ING (ALL FLOWI Result	uds and Foam) harge is present NG ASSETS) Typical E	Grease (Y/N): Sample Date PA Benchmark: > 0.0; > 1.0 > 0.2; > 235 cf > 51 cf	Sample S 2 mg/L 9 mg/L 5 mg/L V/100mL V/100mL	2 - Cloud 3 - Opac 1 - Few/ obvious 2 - Some origin 3 - Some Full Equipment EXTECH ECSO EXTECH ECSO EXTECH ECSO Hach Test Str Hach Test Str CHEMets Det To be sent to To be sent to	ay jue slight; origin not e; indications of e; origin clear 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0








INSPECTION# STI0001325 Type DISCHARGE POINT

Issued: 6/18/18

Generic Inspection #: STI0001325

Inspection Labor/Equipments/Contractors





9/17/2018

Storm Generic Inspection INSPECTION# STI0001324

Type DISCHARGE POINT

Sub Type ID UNK1016 Description Cross Country CROSS COUNTRY Permit Cross Street Location Ref. Map ID 13196 Notes Recommendations

	Inspection Ty Weath Overall Condit	ion					Adm Sy: Activit Ratin	s. 9 STC 9	ORMWA	TER
\sim	PK UDF1				PK	UD	F5			
	PK UDF2				PK	UDI	F6			
	PK UDF3				PK	UDI	F7			
	PK UDF4				PK	UDI	F8			
	Inspection	Pass	ed	() Failed	REF	ERM	Λ#			
Seq	Date	Type		Code / Description	H	mm	Pay Type	<u>Otv</u>	Unit	Activity Location
1	06/18/18 11:30	labor	TMUR	001 - TYLER MURRAY	1	:30	REG			MS4 INSPEC
2	06/18/18 11:30	labor	JDON	001 - JAMES DONAHUE	1	:30	REG			MS4 INSPEC
3	06/18/18 11:30	equip	VEH-S	6 - TRACON VAN 2016 WHITE	1	:30				MS4 INSPEC

Inspector Signature ____

1

÷

Print Name TYLER MURRAY

Date

211-13:14

MS4 STORMWATER ASSET INSPECTION FORM

CONOLIS DECIS				1941								(RC
ASSET ID (DMH CE	GROUND DA	TA Ins	pector (Cr	rew) Tyle	r Mullay	Street Name	e/ Struct	ure Locatio	n: Chud	wick \$	lo	-
Date: 6/1	10/10	() Ч	11911	Don 2			Time		1016			-
Temperature:	06 14	_			-		lorpocto	1.10	an Tr	2		-
remperatore.	80.						Obotos 1	Takan (4 VI	Alumbarr	1	-
Provinus Precinita	tion Date/	nch	Amount	0010	Inteleur	m 49 ha day a	Photos	Taken /	r yes, Photo	o Numbers:	2	-
SECTION 2: ASSET	DESCRIPTIO	N DES	CRIPTION	Cic Lin	Internet	in 48 m dry p	enou an	o less than	0.10 m	STRAWN STRATE	CONTRACTOR OF MAN	-
Location	o co chining	N	laterial	2010/01/22/2010	Marrison Pr	Change .		C SLOW	Imandan	lie 1	Cabarra	
RCP	(CMP)	PL	IC			Circular	~		Intension	(in.)	Submerged	-
, i.e.	U	10				Circular					in water:	-
- H	DPE S	teel	Clav	Oth	ner:	Elliptical		Diameter/	imensions	8	No (Partially	4
Storm			1.12	0.000	1912)			branneterje	- mensions		Fully	S
Sewer						240.00		13	11		lanetes at	
(Closed						Box					With Sedimen	it:
Pipe)						1	- 1				m	
						Other:					(No Partially	
							- 1				Fully	
A REAL PROPERTY AND A REAL	\$4.00% \$10%	建肥料	statistical and	on trains		210月4日 850	AN LOCAL	A Distance	10-10-20-20-20-20-20-20-20-20-20-20-20-20-20	A Printer	PERSONAL PROPERTY	ili ili
SECTION 3: PHYSIC	AL INDICAT	ORS				and the second se	and a second sec	and the second se	Contraction of the local distance	and the second sec	and the second second second	
ndicator	Y/N			Descript	tion				_	Comment	ts	-
Asset Damage	W	N		Spalling	Cracking o	or Chipping	Pee	ling Paint		Maha	NAA ALAA NAA	-
Deposits/Stains	N			Oily		Paint	Flow	w Line	Othe	C ANTIN	WARMAN AND	NT N
Pool Quality	11			Odors	Colors	Floatables	s Sud	s	Excessive			-
-ooi quality	W.			Algae	Oil Shee	n Other:	10 - 10 MBR	101	0.000 (C. 1993)			
Pipe Algae/Growth	N			Brown	Orange	Green	Othe	r:				
Do physical indica	tors suggest	an illici	t discharge	is presen	t (Y/N): /	Von					-	
low Description										-		
	and the second se		1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	Trickle	(Moderate	2	and the second	Substantia	1 //	NONE)	
	S TO BE SHOW	U.STAT	Out-Out-ass	Trickle		Moderate		alasia si an	Substantia		VONE)	80
ECTION 4: PHYSIC	AL INDICATO	DRS (A	LL FLOWIN	G ASSETS)		Moderate		alan alah	Substantia		VONE)	8
ECTION 4: PHYSIC		DRS (A	LL FLOWIN	G ASSETS)		Moderate		ana katak	Substantia	Relative 5	vont	8
ECTION 4: PHYSIC ndicator	AL INDICATO	DRS (Al Descri	LL FLOWIN ption	G ASSETS)		Moderate			Substantia	Relative S	ieverity Index (1-	
ECTION 4: PHYSIC	AL INDICATO	DRS (Al Descri Sewag	LL FLOWIN ption	G ASSETS) Rancid/) /Sour	Sulfide	Petrole	um/Gas	Substantia	Relative S 3) 1 - Faint	everity Index (1-	
ECTION 4: PHYSIC ndicator		DRS (Al Descri Sewag Other:	LL FLOWIN ption e	G ASSETS) Rancid,) /Sour	Sulfide	Petrole	eum/Gas	Substantia	Relative S 3) 1 - Faint 2 - Easily	everity Index (1-	
ECTION 4: PHYSIC ndicator Odor	AL INDICATO	DRS (A) Descri Sewag Other:	ption e	G ASSETS) Rancid) /Sour	Sulfide	Petrole	eum/Gas	Substantia	Relative S 3) 1 - Faint 2 - Easily 3 - Notice	everity Index (1-	
ECTION 4: PHYSIC ndicator Odor	AL INDICATO	DRS (Al Descri Sewag Other:	LL FLOWIN ption e	G ASSETS) Rancid,) /Sour	Sulfide	Petrole	eum/Gas	Substantia	Relative S 3) 1 - Faint 2 - Easily 3 - Notice distance	everity Index (1-	
ECTION 4: PHYSIC ndicator Odor	AL INDICATO	DRS (Al Descri Sewag Other: Clear	LL FLOWIN ption te Br	G ASSETS) Rancid,) /Sour Gray	Sulfide	Petrole	eum/Gas Green	Substantia	Relative 5 3) 1 - Faint 2 - Easily 3 - Notice distance 1 - Faint	everity Index (1-	
ECTION 4: PHYSIC ndicator Odor Color	AL INDICATO	DRS (Al Descri Sewag Other: Clear Orange	LL FLOWIN ption re Br e/Red	G ASSETS) Rancid/ own Multi-	/Sour Gray Color	Sulfide	Petrole	eum/Gas Green	Substantia	Relative 5 3) 1 - Faint 2 - Easily 3 - Notice distance 1 - Faint	everity Index (1-	
ECTION 4: PHYSIC ndicator Odor iolor color chart)	AL INDICATO	DRS (Al Descri Sewag Other: Clear Orange Other:	LL FLOWIN ption re Br e/Red	G ASSETS) Rancid, own Multi-	/Sour Gray Color	Sulfide	Petrole	Green	Substantia	Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (detected detected	
ECTION 4: PHYSIC ndicator Odor iolor color chart)	AL INDICATO	DRS (Al Descri Sewag Other: Clear Orang Other:	LL FLOWIN ption re Br e/Red	G ASSETS Rancid, own Multi-	/Sour /Sour Gray Color	Sulfide Ve	Petrole	Green	Substantia	Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice 5 - Notice	everity Index (1- detected vable from a detected able from a	
ECTION 4: PHYSIC ndicator Odor iolor color chart)	AL INDICATO	Descri Descri Sewag Other: Clear Orang Other:	LL FLOWIN ption re tre Br e/Red	G ASSETS Rancid, own Multi-	/Sour /Sour Gray Color	Sulfide Ve ND	Petrole	Green	Substantia	Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice distance	everity Index (1- detected able from a detected able from a	
ECTION 4: PHYSIC ndicator Odor color color chart)	AL INDICATO	Descri Descri Sewag Other: Clear Orang Other:	UL FLOWIN ption re e Red Br e/Red	G ASSETS Rancid, own Multi-	/Sour /Sour Gray Color	Sulfide Ve ND	Petrole	Green	Substantia	Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice distance 1 - Sight (2 - Sight (2 - Sight (3 - Sight (everity Index (1- detected able from a detected able from a	
ECTION 4: PHYSIC ndicator Odor color color chart) urbidity	AL INDICATO	DRS (Al Descri Sewag Other: Clear Orange Other: See see	LL FLOWIN ption re e Red Br e/Red	G ASSETS Rancid, own Multi-	/Sour /Sour Gray Color	Sulfide Ve ND	Petrole	Green	Substantia	Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice distance 1 - Slight (2 - Cloudy 2 - Cloudy	everity Index (1- detected able from a detected able from a	
ECTION 4: PHYSIC ndicator Odor color color chart) urbidity	AL INDICATO	DRS (Al Descri Sewag Other: Clear Orange Other: See see	LL FLOWIN ption re e g/Red	G ASSETS Rancid, own Multi-	/Sour /Sour Gray Color	Sulfide Ve ND	Petrole	Green	Substantia	Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice distance 1 - Slight (2 - Cloudy 3 - Opaqu 1 - Span(2)	everity Index (1- detected able from a detected able from a cloudiness	
ECTION 4: PHYSIC ndicator Odor color color chart) urbidity loatables	AL INDICATO	Descri Descri Sewag Other: Clear Orange Other: See see Sewag	EL FLOWIN ption re e/Red verity e	G ASSETS) Rancid, own Multi-	/Sour Gray Color d Foam	Sulfide Ve ND Grease	Petrole ellow F	Green		Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice distance 1 - Slight (2 - Cloudy 3 - Opaqual 1 - Few/Sl obviour	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not	
ECTION 4: PHYSIC ndicator Odor color color chart) urbidity loatables Does Not Include	AL INDICATO	DRS (A) Descri Sewag Other: Clear Orange Other: See see Sewag	EL FLOWIN ption re e/Red verity e eum (oil sho	G ASSETS) Rancid, own Multi- Suds and pen)	/Sour Gray Color d Foam	Sulfide Ve ND Grease	Petrole ellow F	Green		Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Cloudy 3 - Opaqu 1 - Few/Sl obvious 2 - Some; 2 - Some;	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of	
ECTION 4: PHYSIC ndicator Odor color chart) urbidity loatables Does Not Include rash)	AL INDICATO	Descri Descri Sewag Other: Clear Orange Other: See see Sewag Petrole	EL FLOWIN ption re e/Red werity e eum (oil sho	G ASSETS) Rancid, own Multi- Suds and een)	/Sour /Sour Gray Color d Foam	Sulfide Ve ND Grease	Petrole ellow F	Green		Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Cloudy 3 - Opaqu 1 - Few/Sl obvious 2 - Some; origin	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of	
ECTION 4: PHYSIC ndicator Odor color chart) urbidity loatables Does Not Include rash)	AL INDICATO	Descri Descri Sewag Other: Clear Orange Other: See see Sewag Petrole Other:	LL FLOWIN ption re e/Red verity e eum (oil sho	G ASSETS) Rancid, own Multi- Suds and een)	/Sour Gray Color d Foam	Sulfide Ve ND Grease	Petrole ellow F	Green		Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Cloudy 3 - Opaqu 1 - Few/Sl obvious 2 - Some; origin 3 - Some;	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear	
ECTION 4: PHYSIC ndicator Odor color chart) urbidity loatables Does Not Include rash) Do physical Indicat	AL INDICATO	Descri Descri Sewag Other: Clear Orange Other: See see Sewag Petrole Other: sugge	EL FLOWIN ption re e/Red werity e eum (oil sho	G ASSETS) Rancid, own Multi- Suds and een) discharge i	/Sour Gray Color d Foam	Sulfide Ve ND Grease	Petrole ellow F	Green		Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Cloudy 3 - Opaqu 1 - Few/Sl obvious 2 - Some; origin 3 - Some;	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear	
ECTION 4: PHYSIC ndicator Odor Color color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE	AL INDICATO	Clear Orange Other: Clear Orange Other: See see Sewage Petrole Other: Sugge: /TESTIM	EL FLOWIN ption re e/Red werity e eum (oil sho st an illicit o IG (ALL FLC	Trickle G ASSETS) Rancid, own Multi- Suds and een) discharge i DWING AS	/Sour Gray Color d Foam is present (SETS)	Sulfide Sulfide Ve MD Grease (Y/N): Sample Date	Petrole ellow P	eum/Gas Green	Substantia	Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Cloudy 3 - Opaqu 1 - Few/Sl obvious 2 - Some; origin 3 - Some;	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear	
ECTION 4: PHYSIC ndicator Odor Color color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter	AL INDICATO	Clear Orange Other: Clear Orange Other: See see Sewage Petrole Other: Sugge: /TESTIM	EL FLOWIN ption re e/Red e/Red e/Red eum (oil sho st an illicit o IG (ALL FLO Result	G ASSETS) Rancid, own Multi- Suds and een) discharge i DWING AS	/Sour /Sour Gray Color d Foam is present (SETS) Typical Ef	Sulfide Sulfide Ve NO Grease (Y/N): Sample Date PA Benchmar	Petrole ellow P e e	eum/Gas Green	Substantia	Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Cloudy 3 - Opaqu 1 - Few/Sl obvious 2 - Some; origin 3 - Some;	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear	
ECTION 4: PHYSIC ndicator Odor Color color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter emperature	AL INDICATO	Clear Orange Other: Clear Orange Other: See see Sewag Petrole Other: Sugge: /TESTIN	EL FLOWIN ption re e/Red e/Red e/Red eum (oil sho st an illicit o re (ALL FLC Result	G ASSETS) Rancid, own Multi- Suds and een) discharge i DWING AS	/Sour /Sour Gray Color d Foam is present (SETS)	Sulfide Sulfide Ve NO Grease (Y/N): Sample Date PA Benchmar	Petrole ellow F e e	eum/Gas Green	ample Time Equ	Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Cloudy 3 - Opaqu 1 - Few/Sl obvious 2 - Some; origin 3 - Some; ECH ECS00	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear	
ECTION 4: PHYSIC ndicator Odor Color color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter emperature H	AL INDICATO	Clear Orange Other: Clear Orange Other: See see Sewag Petrole Other: Sugge: /TESTIN	e Red st an illicit of Result	G ASSETS) G ASSETS	/Sour /Sour Gray Color d Foam is present (SETS)	Sulfide Sulfide Ve NO Grease (Y/N): Sample Date PA Benchmar	Petrole ellow P e e	eum/Gas Green	ample Time Equ	Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Cloudy 3 - Opaqu 1 - Few/Sl obvious 2 - Some; origin 3 - Some; CH ECS00 TECH ECS00	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear	
ECTION 4: PHYSIC ndicator olor olor color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter emperature H pecific Conductivity	AL INDICATO	Clear Orange Other: Clear Orange Other: See see Sewag Petrole Other: Sugge: /TESTIN	e e e e e re e re e re t an illicit o re st an illicit o re st an illicit o re st an illicit o	Trickle G ASSETS G ASSETS Rancid, own Multi- Suds and een) discharge i OWING AS	/Sour Gray Color d Foam is present (SETS)	Sulfide Sulfide Ve NO Grease (Y/N): Sample Date PA Benchmar	Petrole ellow P e e	eum/Gas Green	ample Tim Equ EXT EXT EXT	Relative S 3) 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Easily (3 - Notice distance 1 - Faint 2 - Cloudy 3 - Opaqu 1 - Few/Sl obvious 2 - Some; origin 3 - Some; CH ECS00 TECH ECS00 TECH ECS00	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear	
ECTION 4: PHYSIC ndicator olor olor color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter emperature H Decific Conductivity hlorine	AL INDICATO	Clear Orange Other: Clear Orange Other: See see Sewag Petrole Other: Sugge: /TESTIM	EL FLOWIN ption e e e/Red e e/Red e sum (oil sho st an illicit o Result	G ASSETS) Rancid, own Multi- Suds and een) discharge i DWING AS	/Sour Gray Color d Foam is present (ISETS)	Sulfide Sulfide Ve NO Grease (Y/N): Sample Date PA Benchmar > 0.1	Petrole ellow e e e ks	eum/Gas Green	ample Time Eq Ex Ex Ex Had	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Slight of 2 – Cloudy 3 – Opaqu 1 – Few/Sl obvious 2 – Some; origin 3 – Some; eulpment TECH ECS00 TECH ECS00 Ch Test Strip	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear	
ECTION 4: PHYSIC ndicator Odor Color color chart) urbidity loatables Does Not Include rash) Do physical indicat ECTION 5: ON-SITE arameter emperature H pecific Conductivity hlorine mmonia	AL INDICATO	Clear Orange Other: Clear Orange Other: See see Sewag Petrole Other: Sugge: TESTIN	EL FLOWIN ption e e e/Red e e/Red eum (oil sho st an illicit o Result	G ASSETS) G ASSETS) Rancid, own Multi- Suds and een) discharge i DWING AS	/Sour Gray Color d Foam is present (ISETS)	Moderate Sulfide Ve NO Grease (Y/N): Sample Date PA Benchmar > 0.(> 1.	Petrole ellow e e e ks 02 mg/L 0 mg/L	eum/Gas Green	ample Time Eq Ex Ex Ex Had	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Slight of 2 – Cloudy 3 – Opaqu 1 – Few/Sl obvious 2 – Some; origin 3 – Some; origin 3 – Some; CH ECS00 TECH ECS00 TECH ECS00 Ch Test Strip ch Test Strip	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear	
ECTION 4: PHYSIC ndicator Odor Color color chart) urbidity loatables Does Not Include rash) Do physical indicat ECTION 5: ON-SITE arameter emperature H pecific Conductivity hlorine mmonia urfactants	AL INDICATO	Clear Orange Other: Clear Orange Other: See see Sewag Petrole Other: Sugge: TESTIN	EL FLOWIN ption e e e/Red e e/Red e sum (oil sho st an illicit o Result	G ASSETS) G ASSETS) Rancid, own Multi- Suds and een) discharge i DWING AS	/Sour Gray Color d Foam is present (ISETS)	Moderate Sulfide Ve NO Grease (Y/N): Sample Date PA Benchmar > 0. > 1. > 0.	Petrole ellow e e ks 02 mg/L 25 mg/L	eum/Gas Green	ample Time Equ Ext Ext Hau Hau	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Slight of 2 – Cloudy 3 – Opaqu 1 – Few/Sl obvious 2 – Some; origin 3 – Some; origin 3 – Some; CH ECS00 TECH ECS00 TECH ECS00 Ch Test Strip EMets Deter	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear s s	
ECTION 4: PHYSIC ndicator Odor Color Color chart) Urbidity Ioatables Does Not Include rash) Do physical indicat ECTION 5: ON-SITE arameter emperature H pecific Conductivity hlorine mmonia urfactants coli	AL INDICATO	Clear Orange Other: Clear Orange Other: See see Sewag Petrole Other: Sugge: YTESTIN	e Red st an illicit c Result	G ASSETS) Rancid, own Multi- Suds and een) discharge i DWING AS	/Sour Gray Color d Foam is present (SETS) Typical Ef	Sulfide Sulfide Ve MO Grease (Y/N): Sample Date PA Benchmar > 0. > 1. > 0. > 235 c	Petrole ellow e e ks 02 mg/L 25 mg/L cfu/100m	sum/Gas Green	ample Time Equ Ext Ext Ext Hau Hau To	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Siight of 2 – Cloudy 3 – Opaqu 1 – Few/Sil obvious 2 – Some; origin 3 – Some; origin 3 – Some; origin CH ECS00 TECH ECS00 TECH ECS00 th Test Strip EMets Deter be sent to la	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear s s s rgents Kit K-9400 ab	
ECTION 4: PHYSIC ndicator Odor olor color chart) urbidity loatables Does Not Include rash) Do physical indicat ECTION 5: ON-SITE arameter Emperature H Decific Conductivity slorine mmonia urfactants coli iterococcus	AL INDICATO	Clear Orange Other: Clear Orange Other: See see Sewag Petrole Other: Sugge: YTESTIN	e Red st an illicit c Result	G ASSETS) Rancid, own Multi- Suds and een) discharge i DWING AS	/Sour Gray Color d Foam is present (ISETS)	Sulfide Sulfide Ve MO Grease (Y/N): Sample Date PA Benchmar > 0. > 1. > 0. > 235 c > 61 c	Petrole ellow e e ks 02 mg/L 25 mg/L cfu/100m fu/100m	sum/Gas Green	ample Time Equ Ext Ext Ext Hau Hau CH To To	Relative S 3) 1 - Faint 2 - Easily of 3 - Notice distance 1 - Faint 2 - Easily of 3 - Notice distance 1 - Faint 2 - Easily of 3 - Notice distance 1 - Slight of 2 - Cloudy 3 - Opaqu 1 - Few/Sl obvious 2 - Some; origin 3 - Some; 0 1 - Few/Sl obvious 2 - Some; origin 3 - Some; 0 1 - Few/Sl obvious 2 - Some; 0 1 - Few/Sl obvious 2 - Some; 0 1 - Few/Sl obvious 2 - Some; 0 1 - Few/Sl 0 0 1 - Few/Sl 0 0 1 - Few/Sl 0 0 0 1 - Few/Sl 0 0 0 1 - Few/Sl 0 0 0 1 - Few/Sl 0 0 0 0 1 - Few/Sl 0 0 0 0 0 0 0 0 0 0 0 0 0	ieverity Index (1- detected able from a detected able from a cloudiness re ight; origin not indications of origin clear s s s rgents Kit K-9400 ab	
ECTION 4: PHYSIC ndicator Odor olor color chart) urbidity loatables Does Not Include rash) Do physical indicat ECTION 5: ON-SITE arameter emperature H Decific Conductivity socific Conductivity	AL INDICATO	Clear Orange Other: Clear Orange Other: See see Sewage Petrole Other: Sugge: /TESTIN	e Red st an illicit o Result	G ASSETS) Rancid, own Multi- Suds and een) discharge i DWING AS AB	/Sour /Sour Gray Color d Foam is present (SETS) Typical Ef	Sulfide Sulfide Ye NO Grease (Y/N): Sample Date PA Benchmar > 0.0 > 1 > 0.0 > 235 o > 61 c	Petrole ellow e ks 02 mg/L 25 mg/L cfu/100m fu/100m	rum/Gas Green	ample Tim Eq EX EX EX EX To To	Relative S 3) 1 - Faint 2 - Easily of 3 - Notice distance 1 - Faint 2 - Easily of 3 - Notice distance 1 - Faint 2 - Easily of 3 - Notice distance 1 - Siight of 2 - Cloudy 3 - Opaqu 1 - Few/Sl obvious 2 - Some; origin 3 - Some; e augment TECH ECS00 TECH ECS0	ieverity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear s s s rgents Kit K-9400 ab	

1



Type DISCHARGE POINT

Issued: 6/18/18

Generic Inspection #: STI	0001324	Solo a constantion of	UNA DES STRUCTURES DE SYLL		appendent of the second of the
spection Labor/Equip	ments/Contractors U.D.F.	A LONG & MINING	HERE STREAM WINDOW		CHENCH YOUTH,
Inspection Temperature	86	Odor	NONE	Sample Date	00/00/00
Date of Last Rainfall	06/15/18	Odor Severity	NONE	Sample Time	En and a state
Time of Last Rainfall	09:15	Color Chart	NONE	SampleTemp	
Rain Fall Amount (in.)	0.01	Color Severity	NONE	Sample Location	-
Outfall Location	CHADWICK RD	Turbidity	NONE	i i	
Flow Description	NONE	Soilds	0920000	1	
Est. Flow (gpm)	0	Floatables	NONE	í i	
Submerged Water	NO	Floatable Severity	NONE		
Submerged Sediment	NO	pH		1	
Deposit/Stains	NONE	Chlorine		i l	
Abnormal Vegatation	NONE				
Pool Quality	NONE	Specific Conductivity	y]	
Pipe Algea Growth	NONE	Ammonia			
Outfall Damage	NO	Surfactant	s	[
Damage Description	NONE		Bacteria Date 00/00/00		
		Bacteria Prev	ious Rainfall Date 00/00/00		
nfrastructure Repairs		Bacteria	Rainfall Amount 0		
Photo Taken	YES	E.Coli]	
Number of Photos	3	Enterococcus		1.0	
		Indicators Possible Illicit	NO		
		Non Illicit		10 10	



INSPECTION# STI0001321

Type DISCHARGE POINT

9/18/2	2018
--------	------

Sub Type 0		ID UNK1033	
Description THOMPSON	I RD	Permit	
THOMPSON	RD	Cross Street	
Location Ref.	Map ID 13037	Map Sheet	
Notes	· T	Recommendations	
UNK 1035 DOES NOT EXIS	D I.		

	Inspection Ty Weath Overall Conditi	pe ier ion			Adm Sys Activity Rating	 / STC	DRMWA	TER	
	PK UDF1 PK UDF2 PK UDF3 PK UDF4 Inspection	() Pass	ed O Failed	PK UDF PK UDF PK UDF PK UDF REF ERM	=5 =6 =7 =8 1#				
Seq	Date	Type	Code / Description	Hrmm	Pay Type	Oty	Unit	Activity Location	
1	06/20/18 10:45	labor	JDON001 - JAMES DONAHUE	2:00	REG			MS4 INSPEC	
2	06/20/18 10:45	labor	TMUR001 - TYLER MURRAY	2:00	REG			MS4 INSPEC	
3	06/20/18 10:45	equip	VEH-S6 - TRACON VAN 2016 WHITE	E 2:00				MS4 INSPEC	

Inspector Signature

÷

:

Date

Print Name JAMES DONAHUE

									0	/	DOK
SECTION 1: BACK	ROUND D	ATA Insp	ector (Cre	ew) JD+	+TN :	Street Name	e/ Structur	re Locatio	n: THO	nrsor	RD
ASSET ID (DMH,CE	3,Outfall)		OUT FA	11			OUTFALL	ID:	UNK	1033	
Date: 6/	20/18		- 1100-110				Time:	5	10:45	ares 2870620	
Temperature:	75 F			1.			Inspector	(s): /	JO+TM		
Desidence Desident	New Pate	110					Photos Ta	ken 🗸	If yes, Photo	Numbers:	2
Previous Precipita	tion Date	6/18	Amount	0.2011	(minimum	48 hr dry p	eriod and	less than	0.10 in)	and the second states	
Location	DESCRIPTIC	NV DESCI	torial	000000000	UD MOREORIE	Company Series	2012020		and and a	state production	
RCP	CMP	PVC	terial			Circular		-	Dimension	(n.)	Submerged
NC/	Cini		5			circular					in water:
н	DPE	Steel	Clay	Othe	r:	Elliptical	D	iameter/l)imensions:		No Partially
Storm											Fully
Sewer)	JOF	5	NOT	T		Davis					
Pinel L	100	-	1001	8		BOX	-				With Sediment:
	F	VIC									No Partially
	E	XIS				Other:					Fully
CONTRACTOR OF CONT	Concella Manager	and the same of the same	NUMBER OF STREET		COMPANY NOTICE		the second second		10.4.00		runy
	AND DEPENDENCE	OPACIES NO	网络中国人民	PHONE AND	2011年1月20日		中国。中国和国	的情報	的目的形式	新中国 北美国	和國國和自國建築國
SECTION 3: PHYSIC	AL INDICAT	UKS		In sector						1.	
Indicator	1/N			Spalling	Grachies	Chloring	De at	- 0.1 · ·		Comment	5
Deposits /Staine	_			oilu	cracking or	Paint	Peelir	ng Paint	Out		
veposits/stains			_	Odors	Colors	Floatables	s Suds	Line	Excessive		
ool Quality				Algae	Oil Sheen	Other:			EACESSIVE		
ipe Algae/Growth				Brown	Orange	Croop	Other				
		-		and the second se	010165	Green	other,				
'Do physical indica	tors sugges	t an illicit	discharge	is present	(Y/N):	Green	other.				
Do physical indication	tors sugges	t an illicit	discharge	is present Trickle	(Y/N):	Moderate	other,		Substantia		
Do physical indica low Description	tors sugges	t an illicit	discharge	is present Trickle	(Y/N):	Moderate	Station and		Substantia		
Do physical indication low Description ECTION 4: PHYSIC	tors sugges	t an illicit ORS (ALL	discharge L FLOWING	is present i Trickle G ASSETS)	(Y/N):	Moderate	States	n og er en	Substantia		and the state of the
Do physical indica low Description SECTION 4: PHYSIC ndicator	AL INDICAT	t an illicit ORS (ALI Descrip	discharge L FLOWING	is present Trickle G ASSETS)	(Y/N):	Moderate	Cuter.		Substantia	Relative S	everity Index (1-
Do physical indica flow Description SECTION 4: PHYSIC ndicator	AL INDICAT	t an illicit ORS (ALI Descrip	discharge L FLOWING tion	is present Trickle G ASSETS) Bancid/S	(Y/N):	Moderate	Petroleu	m/Gas	Substantia	Relative S 3)	everity Index (1-
Do physical indica flow Description SECTION 4: PHYSIC ndicator	tors sugges AL INDICAT Y/N	Torres (ALL Descrip Sewage Other:	discharge L FLOWING tion	is present Trickle G ASSETS) Rancid/S	(Y/N):	Moderate Sulfide	Petroleu	m/Gas	Substantia	Relative S 3) 1 - Faint 2 - Fasily	everity Index (1-
Do physical indica low Description SECTION 4: PHYSIC Indicator	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other:	discharge L FLOWING tion	is present (Trickle 3 ASSETS) Rancid/S	(Y/N):	Moderate Sulfide	Petroleu	m/Gas	Substantia	Relative S 3) 1 – Faint 2 – Easily o 3 – Notice	everity Index (1- detected able from a
Do physical indica low Description SECTION 4: PHYSIC Indicator	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other:	discharge L FLOWING tion	is present Trickle G ASSETS) Rancid/S	(Y/N):	Moderate Sulfide	Petroleu	m/Gas	Substantia	Relative S 3) 1 – Faint 2 – Easily o 3 – Notice distance	everity Index (1- detected able from a
Do physical indica low Description SECTION 4: PHYSIC Indicator Odor	AL INDICAT	t an illicit	discharge L FLOWING tion Bro	is present (Trickle 3 ASSETS) Rancid/S	(Y/N):	Solution Sulfide	Petroleu	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily o 3 – Notice distance	everity Index (1- detected able from a
Do physical indica low Description ECTION 4: PHYSIC Indicator Odor	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other: Clear Orange,	discharge L FLOWING tilon Bro /Red	is present (Trickle S ASSETS) Rancid/S Dwn Multi-Co	(Y/N): Sour Gray olor	Solfide Ye	Petroleur	m/Gas Green	Substantia	Relative S 3) 1 - Faint 2 - Easily o 3 - Notice distance 1 - Faint	everity Index (1- detected able from a
Do physical indica low Description ECTION 4: PHYSIC Indicator Odor Color Color chart)	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other:	discharge L FLOWING tilon Bro /Red	is present (Trickle S ASSETS) Rancid/S Dwn Multi-Co	(Y/N): Sour Gray olor	Green Moderate Sulfide Ye	Petroleu	m/Gas Green	Substantia	Relative S 3) 1 - Faint 2 - Easily o 3 - Notice distance 1 - Faint 2 - Easily o	everity Index (1- detected able from a
Do physical indica low Description ECTION 4: PHYSIC Indicator Odor Color Color chart)	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other:	discharge L FLOWING tion Bro /Red	is present (Trickle S ASSETS) Rancid/S Dwn Multi-Co	(Y/N): Sour Gray olor	Solution Sulfide	Petroleu	m/Gas Green	Substantia	Relative S 3) 1 - Faint 2 - Easily of 3 - Notice distance 1 - Faint 2 - Easily of 3 - Notice	everity Index (1- detected able from a detected able from a
Do physical indica low Description ECTION 4: PHYSIC Indicator Odor Color Color chart)	AL INDICAT Y/N	t an Illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other:	discharge L FLOWING tion Bro /Red	is present (Trickle S ASSETS) Rancid/S own Multi-Co	(Y/N): Sour Gray olor	Sulfide Ye	Petroleu	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance	everity Index (1- detected able from a detected able from a
Do physical indica low Description ECTION 4: PHYSIC Indicator Odor Color Color chart)	AL INDICAT Y/N	t an illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other:	L FLOWING tion Bro /Red	is present (Trickle S ASSETS) Rancid/S own Multi-C	(Y/N): Sour Gray iolor	Sulfide Ye	Petroleu	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Slight of 2 – Clight of 3 – Notice	everity Index (1- detected able from a detected able from a
Do physical indica low Description ECTION 4: PHYSIC Indicator Odor Color Color chart)	AL INDICAT Y/N	t an Illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve	L FLOWING tion Bro /Red	is present (Trickle S ASSETS) Rancid/S own Multi-C	Gray Gray	Sulfide Ye	Petroleur	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Slight of 2 – Cloudy	everity Index (1- detected able from a detected able from a
Do physical indica Tow Description ECTION 4: PHYSIC Indicator Door Color Color Color chart) Turbidity	AL INDICAT Y/N	t an Illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve	L FLOWING tion Bro /Red	is present (Trickle S ASSETS) Rancid/S own Multi-C	Gray olor	Sulfide Ye	Petroleur	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Slight of 2 – Cloudy 3 – Opaque 1 – Fart	everity Index (1- detected able from a detected able from a cloudiness e ght; origin not
Do physical indica Tow Description ECTION 4: PHYSIC Indicator Door Color Color chart) Turbidity Ioatables	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See sevi	discharge L FLOWING tion Bro /Red	is present (Trickle S ASSETS) Rancid/S own Multi-Co Suds and	Gray olor Foam	Grease	Petroleur	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Slight of 2 – Cloudy 3 – Opaque 1 – Few/Sli obvious	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not
Do physical indica Tow Description ECTION 4: PHYSIC Indicator Door Color Color chart) Turbidity Ioatables Does Not Include reach	AL INDICAT	t an Illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See sew Sewage Petroleu	L FLOWING tion Red Red erity um (oil she	is present (Trickle G ASSETS) Rancid/S own Multi-Co Suds and ten)	Gray Foam	Grease	Petroleur	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Slight of 2 – Cloudy 3 – Opaqu 1 – Few/Sl obvious 2 – Some;	everity Index (1- detected able from a detected able from a cloudiness e ght; origin not indications of
Do physical indica low Description ECTION 4: PHYSIC Indicator Door Color Color chart) urbidity loatables Does Not Include rash)	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve Sewage Petroleu Other:	L FLOWING tilon /Red erity um (oil she	is present (Trickle S ASSETS) Rancid/S own Multi-Co Suds and ren)	Gray Foam	Grease	Petroleur	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notices distance 1 – Faint 2 – Easily of 3 – Notices distance 1 – Slight of 2 – Cloudy 3 – Opaqui 1 – Few/sli obvious 2 – Some; origin 3 – Some;	everity Index (1- detected able from a detected able from a detected able from a detected able from a detected able from a
Do physical indica low Description ECTION 4: PHYSIC Indicator Door Color Color chart) urbidity loatables Does Not Include rash) Do physical indicat	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve Sewage Petroleu Other: 2 suprest	L FLOWING tilon /Red /Red erity um (oil she	is present (Trickle S ASSETS) Rancid/S own Multi-Co Suds and ren)	Gray Gray Foam	Grease Grease	Petroleu	m/Gas Green	Substantia	Relative S 3) 1 - Faint 2 - Easily of 3 - Notice distance 1 - Faint 2 - Easily of 3 - Notice distance 1 - Slight of 2 - Cloudy 3 - Opaqui 1 - Few/sli obvious 2 - Some; origin 3 - Some;	everity Index (1- detected able from a detected able from a detected able from a detected able from a detected able from a detected able from a detected able from a
Do physical indica low Description ECTION 4: PHYSIC Indicator Door Color Color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve Sewage Petroleu Other: 2) suggest	discharge	is present (Trickle S ASSETS) Rancid/S Own Multi-Co Suds and ren) lischarge is	Gray Gray Color Foam	Sulfide Sulfide Grease (/N):	Petroleu	m/Gas Green	Substantia	Relative S 3) 1 - Faint 2 - Easily of 3 - Notice distance 1 - Faint 2 - Easily of 3 - Notice distance 1 - Slight of 2 - Cloudy 3 - Opaqui 1 - Few/sli obvious 2 - Some; origin 3 - Some;	everity Index (1- detected able from a detected able from a detected able from a detected able from a detected able from a detected able from a detected able from a
Do physical indica low Description ECTION 4: PHYSIC Indicator Ddor Color Color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve Sewage Petrolet Other: 3) suggest 5/TESTING	discharge	is present (Trickle S ASSETS) Rancid/S own Multi-Co Suds and een) lischarge is WING ASS	Gray Foam present (Y Foam	Sulfide Sulfide Ye Grease (/N): Sample Date	Petroleu ellow e	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Slight of 2 – Cloudy 3 – Opaqu 1 – Few/sli obvious 2 – Some; i origin 3 – Some; o	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear
Do physical indica low Description ECTION 4: PHYSIC Indicator Ddor Color Color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter emperature	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve Sewage Petroleu Other: 3) suggest	discharge L FLOWING tilon /Red erity um (oil she t an illicit d G (ALL FLO Result	is present (Trickle S ASSETS) Rancid/S own Multi-Co Suds and een) lischarge Is	Gray olor Foam present (Y ETS)	Sulfide Sulfide Ye Grease (/N): Sample Date A Benchmar	Petroleu ellow e	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Slight of 2 – Cloudy 3 – Opaqu 1 – Few/sli obvious 2 – Some; origin 3 – Some; ipment ECH ECSOO	everity Index (1- detected able from a detected able from a cloudiness e indications of origin clear
Do physical indica low Description ECTION 4: PHYSIC Indicator Ddor Color Color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter emperature H	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve Sewage Petroleu Other: 3) suggest	discharge L FLOWING tilon /Red erity um (oil she t an illicit d G (ALL FLO Result	is present (Trickle S ASSETS) Rancid/S own Multi-Co Suds and een) lischarge is	Gray olor Foam present (Y ETS)	Sulfide Sulfide Ye Grease (/N): Sample Date A Benchmar	Petroleu ellow e	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Slight of 2 – Cloudy 3 – Opaque 1 – Few/Sli obvious 2 – Some; origin 3 – Some; origin 3 – Some; CH ECSOO ECH ECSOO	everity Index (1- detected able from a detected able from a cloudiness e ight; origin not indications of origin clear
Do physical indica low Description ECTION 4: PHYSIC Indicator Ddor Color Color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter emperature H pecific Conductivit	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve Sewage Petroleu Other: g) suggest y/TESTING	discharge L FLOWING tion /Red erity um (oil she t an illicit d G (ALL FLO Result	is present (Trickle S ASSETS) Rancid/S own Multi-Co Suds and een) iischarge is	(Y/N): Sour Gray olor Foam present (Y ETS) Typical EP	Grease (//N): Sample Date A Benchmar	Petroleur ellow e	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Sight of 2 – Cloudy 3 – Opaque 1 – Few/Sli obvious 2 – Some; origin 3 – Some; ipment ECH ECS00 ECH ECS00	everity Index (1- detected able from a detected able from a cloudiness e ght; origin not indications of origin clear
Do physical indica low Description ECTION 4: PHYSIC Indicator Door Color Color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter emperature H pecific Conductivity hlorine	AL INDICAT	t an illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve Sewage Petroleu Other: g) suggest s/TESTING	discharge L FLOWING tion /Red erity um (oil she t an illicit d G (ALL FLO Result	is present (Trickle S ASSETS) Rancid/S own Multi-Co Suds and een) iischarge is	Gray olor Foam present (Y ETS)	Sulfide Sulfide Ye Grease //N}: Sample Date A Benchmar	Petroleur ellow e e ks	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Sight of 2 – Cloudy 3 – Opaque 1 – Few/Sil obvious 2 – Some; origin 3 – Some; ipment ECH ECS00 ECH ECS00 ECH ECS00 h Test Strip:	everity Index (1- detected able from a detected able from a cloudiness e ght; origin not indications of origin clear
Do physical indica low Description ECTION 4: PHYSIC Indicator Door Color Color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter emperature H pecific Conductivity hlorine mmonia	AL INDICAT	t an Illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve Sewage Petroleu Other: g) suggest STESTING	discharge	is present (Trickle S ASSETS) Rancid/S own Multi-Co Suds and ten) ischarge is	Gray olor Foam present (Y ETS)	Sulfide Sulfide Ye Grease (/N): Sample Date A Benchmar	Petroleur Petroleur ellow e e e c ks 02 mg/L .0 mg/L	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Sight of 2 – Cloudy 3 – Opaquu 1 – Some; obvious 2 – Some; origin 3 – Some; origin 3 – Some; origin 3 – Some; origin 3 – Some; origin 3 – Some; other and the second ECH ECS00 ECH ECS00 ECH ECS00 ECH ECS00	everity Index (1- detected able from a detected able from able
Do physical indica low Description ECTION 4: PHYSIC Indicator Door Color Color Color chart) urbidity Ioatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter emperature H pecific Conductivity hlorine mmonia urfactants	AL INDICAT	t an Illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve Sewage Petroleu Other: g) suggest S/TESTING	discharge	is present i Trickle S ASSETS) Rancid/S own Multi-Co Suds and ten) ischarge is	Gray olor Foam present (Y ETS)	Sulfide Sulfide Ye Grease (/N): Sample Date A Benchmar > 0.(> 1. > 0.1	Petroleur Petroleur ellow e e ks 02 mg/L 25 mg/L	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Sight of 2 – Cloudy 3 – Notice distance 1 – Slight of 2 – Cloudy 3 – Opaquu 1 – Few/Sli obvious 2 – Some; origin 3 – Some; origin 3 – Some; of ECH EC500 ECH EC500 ECH EC500 ECH EC500 ECH EC500 ECH EC500 ECH EC500	everity Index (1- detected able from a detected able from a doudiness e ght; origin not indications of origin clear
Do physical indica low Description ECTION 4: PHYSIC Indicator Door Color Color chart) urbidity loatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter emperature H pecific Conductivity hlorine mmonia urfactants .coli	AL INDICAT Y/N	t an Illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve Sewage Petrolec Other: g) suggest S/TESTING	discharge	is present i Trickle S ASSETS) Rancid/S own Multi-Co Suds and ten) ischarge is WING ASS	Gray olor Foam present (Y ETS)	Sulfide Sulfide Ye Grease (/N): Sample Date A Benchmar > 0.(> 1. > 0.(> 235 c	Petroleur Petroleur ellow e e é ks 02 mg/L 25 mg/L cfu/100mL	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Sight of 2 – Cloudy 3 – Notice distance 1 – Slight of 2 – Cloudy 3 – Opaquu 1 – Few/Sli obvious 2 – Some; origin 3 – Some; origin 3 – Some; of ECH EC500 ECH EC500 E	everity Index (1- detected able from a detected able from a doudiness e ght; origin not indications of origin clear s s s gents Kit K-9400 b
Do physical indica Tow Description ECTION 4: PHYSIC Indicator Door Color Color chart) Urbidity Ioatables Does Not Include rash) Do physical Indicat ECTION 5: ON-SITE arameter emperature H pecific Conductivity hlorine mmonia urfactants .coli nterococcus	AL INDICAT Y/N	t an Illicit ORS (ALI Descrip Sewage Other: Clear Orange, Other: See seve Sewage Petrolec Other: g) suggest S/TESTINC	L FLOWING tion Bro /Red erity um (oil she t an illicit d G (ALL FLO Result	is present (Trickle Bill Joseffel S ASSETS) Rancid/S own Multi-Co Suds and ten) ischarge is WING ASS WING ASS	Gray olor Foam present (Y ETS)	Sulfide Sulfide Ye Grease (/N): Sample Date A Benchmar > 0.(> 1. > 0.(> 235 c > 61 c	Petroleur Petroleur ellow e e é ks 02 mg/L 25 mg/L 25 mg/L cfu/100mL	m/Gas Green	Substantia	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice distance 1 – Faint 2 – Easily of 3 – Notice distance 1 – Slight of 2 – Cloudy 3 – Notice distance 1 – Slight of 2 – Cloudy 3 – Opaqui 1 – Few/Sli obvious 2 – Some; origin 3 – Some; of Some; of CH ECS00 ECH ECS00 E	everity Index (1- detected able from a detected able from able from a detected able from able







Type DISCHARGE POINT

Issued: 6/20/18

pection Labor/Equipm	ents/Contractors U.D.F.				
nspection Temperature	75	Odor		Sample Date	00/00/00
Date of Last Rainfall	06/18/18	Odor Severity		Sample Time	the content of
Time of Last Rainfall	20:45	Color Chart		SampleTemp	
Rain Fall Amount (in.)	0.50	Color Severity		Sample Location	
Outfall Location	THOMPSON RD	Turbidity	THE WAR		
Flow Description	DOES NOT EXIST	Soilds			
Est. Flow (gpm)	0	Floatables			
Submerged Water	HY 담아드 빌려도 X의 M 2	Floatable Severity			
Submerged Sediment		PH [
Deposit/Stains		Chlorine			
Abnormal Vegatation		1			
Pool Quality		Specific Conductivity			
Pipe Algea Growth		Ammonia			
Outfall Damage		Surfactants			
Damage Description		Bacteria Date	00/00/00		
		Bacteria Previous Rainfall Date	00/00/00		
nfrastructure Repairs		Bacteria Rainfall Amount	0		
Photo Taken Y	ES	E.Coli]		
Number of Photos 2		Enterococcus			
		Indicators Possible Illicit			
		Non Illicit			



Storm Generic Inspection INSPECTION# STI0001326

9/17/2018

Type DISCHARGE POINT

PIPE LEADING TO OUT	ALL CONNECTS TO DMH-1013	6	
Notes		Recommendations	
Location Ref.	Map ID 13037	Map Sheet	
THOMPSO	N RD	Cross Street	
Description Cross Cou	ntry	Permit	
Sub Type 0		ID UNK1034	

8	Inspection Ty Weath Overall Condit	pe ier ion					Adm Sys Activit Ratin	9. 9. 9.	ORMWA	TER
	PK UDF1 PK UDF2 PK UDF3				PH PH PH		F5 F6 F7			
	Inspection	Pass	ed	() Failed	REF	ERM	r8			
Seq	Date	Type		Code / Description	H	mm	Pay Type	Qty	Unit	Activity Location
1	06/20/18 10:45	labor	TMUR	001 - TYLER MURRAY	1	2:30	REG			MS4 INSPEC
2	06/20/18 10:45	labor	JDONO	01 - JAMES DONAHUE	1	2:30	REG			MS4 INSPEC
3	06/20/18 10:45	equip	VEH-S	6 - TRACON VAN 2016 WHIT	E 2	2:30				MS4 INSPEC

:

2

:

Print Name TYLER MURRAY

Date

MS4 STORMWATER ASSET INSPECTION FORM

ſ

		M	S4 STORM	NATER ASSET	INSPECTION	ORIVI		1111-
						5	51-1	1995
SECTION 1: BACKGRO	OUND DATA Ins	pector (Cr	ew)	Street Name/	Structure Location	: Thomp.	Sun Rd	
ASSET ID [DMH,CB,OL	utfall) (WK103	9 Outtell		DUTFALLID: U	Klozy	1907 - 1870). 1	
Date: 6/10/17	3			1	ime: 10:45	0 100		
remperature: 75	*F			1	nspector(s): //	LEJD		
	110			1	hotos Taken 🗸 📗	yes, Photo N	umbers: 5	
revious Precipitation	n Date6/18	Amount	0.50 \ (min	imum 48 hr dry pe	riod and less than).10 in) 1	3-10-1-	
ECTION 2: ASSET DES	SCRIPTION DES	CRIPTION	这些行为的公司	State (A)	的复数使用发生的	al an	经存在的资源	difference and the second
Location	N	laterial		Shape	0	imension (in	.)	Submerged
RCP	CMP P\	/C		Circular			<u>1</u>	n Water:
0	N	024000	10000000					to Partially
Storm HDPE	E Steel	Clay	Other:	Elliptical	Diameter/0	imensions:	F	ully
Sewer	1				0 01			
(Closed				Box	170		v	Vith Sediment
Pine)							l î	
							N	lo Partially
				Other:			F	ully
								And a state of the
的可能能能能被用力医多	法规制的资源的保留	國家自然相關	12月9日代4月1月12日	的问题 的目前进行代		的影響時時间	和加密相關的	1989年1月1日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年1月11日 1988年11 1988 11 1988 11 1988 11 1988 11 11 11 11 11 11 11 11 11 11 11 11 1
ECTION 3: PHYSICAL	INDICATORS	_	-					
ndicator	Y/N	_	Description			-	Comments	
Asset Damage	N		Spalling, Crack	king or Chipping	Peeling Paint			
eposits/Stains	N		Oily	Paint	Flow Line	Other:		
ool Quality	N		Odors Co	lors Floatables	Suds	Excessive		
View Alana/Crowth			Algae Oil	Sheen Other:	Other			
ipe Algae/Growth		la discharge	Brown Or	ange Green	other.			_
NUMBER		a hornida	他的家庭的歌戏剧				N DALAN	的目前我的意思
ECTION 4: PHYSICAL	INDICATORS (A	ILL FLOWIN	G ASSETS)				Relative Seve	erity Index (1-
SECTION 4: PHYSICAL ndicator	INDICATORS (A	LL FLOWIN	G ASSETS)		Detection (Con		Relative Seve	erity Index (1-
SECTION 4: PHYSICAL ndicator Y,	INDICATORS (A /N Descr Sewaj	ILL FLOWIN iption ge	G ASSETS) Rancid/Sour	Sulfide	Petroleum/Gas		Relative Seve 3) 1 – Faint	erity Index (1-
ECTION 4: PHYSICAL ndicator Y,	INDICATORS (A /N Descr Sewaj Other	ILL FLOWIN iption ge	G ASSETS) Rancid/Sour	Sulfide	Petroleum/Gas		Relative Seve 3) 1 – Faint 2 – Easily det	erity Index (1-
ECTION 4: PHYSICAL ndicator Y, Odor	INDICATORS (A /N Descr Sewaj Other	ILL FLOWIN iption ge	G ASSETS) Rancid/Sour	Sulfide	Petroleum/Gas		Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl	erity Index (1- ected e from a
SECTION 4: PHYSICAL ndicator Y, Odor	INDICATORS (A /N Descr Sewaj Other	ILL FLOWIN iption ge :	G ASSETS) Rancid/Sour	Sulfide	Petroleum/Gas		Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance	erity Index (1- ected e from a
SECTION 4: PHYSICAL Indicator Y, Odor Color	INDICATORS (A /N Descr Sewaj Other Clear	iption ge : Br	G ASSETS) Rancid/Sour	Sulfide Gray Ye	Petroleum/Gas	1	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint	erity Index (1- ected e from a
SECTION 4: PHYSICAL ndicator Y, Odor Color color chart)	INDICATORS (A /N Descr Sewaj Other Clear Orans Other	iption ge : te/Red	G ASSETS) Rancid/Sour rown Multi-Color	Sulfide Gray Ye	Petroleum/Gas	2003.u.u.i 2003.u.u.i 2003.u.u.i	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det	erity Index (1- ected e from a ected
ECTION 4: PHYSICAL ndicator Y, Odor Color color chart)	INDICATORS (A /N Descr Sewaj Other Clear Orans Other	iption ge : : : : Br te/Red :	G ASSETS) Rancid/Sour rown Multi-Color	Sulfide Gray Ye	Petroleum/Gas	<i></i>	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl	erity Index (1- ected e from a ected e from a
SECTION 4: PHYSICAL indicator Y, Odor Color color chart)	INDICATORS (A /N Descr Other Other Clear Orans Other	ALL FLOWIN iption ge :: Br ge/Red ::	G ASSETS) Rancid/Sour rown Multi-Color	Sulfide Gray Ye	Petroleum/Gas	<i>,</i> ,	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance	erity Index (1- ected e from a ected e from a
SECTION 4: PHYSICAL indicator Y, Odor Color (color chart)	INDICATORS (A /N Descr Sewaj Other Clear Orang Other	ALL FLOWIN iption ge ': ge/Red ':	G ASSETS) Rancid/Sour rown Multi-Color	Sulfide Gray Ye	Petroleum/Gas	, , ,	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou	erity Index (1- ected e from a ected e from a udiness
ECTION 4: PHYSICAL ndicator Y Odor Color color chart)	INDICATORS (A /N Descr Sewaj Other Clear Orang Other	ALL FLOWIN iption ge to ge/Red to severity	G ASSETS) Rancid/Sour rown Multi-Color	Sulfide Gray Ye	Petroleum/Gas	, , ,	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy	erity Index (1- ected e from a ected e from a udiness
SECTION 4: PHYSICAL ndicator Y Odor Color color chart)	INDICATORS (A /N Descr Sewaj Other Clear Orang Other	ALL FLOWIN Iption ge c: te/Red c: everity	G ASSETS) Rancid/Sour rown Multi-Color	Sulfide Gray Ye	Petroleum/Gas	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy 3 – Opaque	erity Index (1- ected e from a ected e from a udiness
SECTION 4: PHYSICAL Indicator Y, Odor Color (color chart) Furbidity	INDICATORS (A /N Descr Sewaj Other Clear Orang Other	att FLOWIN iption ge :: te/Red ; everity	G ASSETS) Rancid/Sour	Sulfide Gray Ye	Petroleum/Gas	<i>,</i> ,	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy 3 – Opaque 1 – Few/sligh	erity Index (1- ected e from a ected e from a idiness t; origin not
ECTION 4: PHYSICAL ndicator Y, Odor Color color chart) furbidity	INDICATORS (A /N Descr Seway Other Clear Orang Other See se Seway	att FLOWIN iption ge :: te/Red ; everity ge	G ASSETS) Rancid/Sour rown Multi-Color Suds and Foa	Sulfide Gray Ye	Petroleum/Gas	,, , , , , , , , , , , , , , , , , , ,	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy 3 – Opaque 1 – Few/Sligh obvious	erity Index (1- ected e from a ected e from a udiness t; origin not
ECTION 4: PHYSICAL ndicator Y Odor Color color chart) furbidity floatables Does Not Include	INDICATORS (A /N Descr Seway Other Clear Orans Other See se Seway Petrol	ALL FLOWIN iption ge : te/Red : everity ge leum (oil sh	G ASSETS) Rancid/Sour rown Multi-Color Suds and Foa een)	Sulfide Gray Ye	Petroleum/Gas	, , ,	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy 3 – Opaque 1 – Few/Sligh obvious 2 – Some; ind	erity Index (1- ected e from a ected e from a udiness t; origin not lications of
SECTION 4: PHYSICAL ndicator Y Odor Color color chart) Turbidity Ioatables Does Not Include Trash)	INDICATORS (A /N Descr Seway Other Clear Orans Other See se Seway Petrol	ALL FLOWIN iption ge te/Red teverity ge leum (oil sh	G ASSETS) Rancid/Sour rown Multi-Color Suds and Foa een)	Sulfide Gray Ye	Petroleum/Gas	, , ,	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy 3 – Opaque 1 – Few/Sligh obvious 2 – Some; ind origin 3 – Some: origin	erity Index (1- ected e from a ected e from a udiness t; origin not lications of ein clear
ECTION 4: PHYSICAL ndicator Y Odor Color color chart) Turbidity Ioatables Does Not Include Trash)	INDICATORS (A /N Descr Seway Other Clear Orans Other See se Seway Petrol Other Set of the second secon	ALL FLOWIN iption ge : te/Red : everity ge leum (oil sh : ast an illicit	G ASSETS) Rancid/Sour rown Multi-Color Suds and Foa een)	Sulfide Gray Ye	Petroleum/Gas	,, , , , , , , , , , , , , , , , , , ,	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy 3 – Opaque 1 – Few/Sligh obvious 2 – Some; ind origin 3 – Some; origin	erity Index (1- ected e from a ected e from a udiness t; origin not lications of gin clear
ECTION 4: PHYSICAL ndicator Y Odor Color Color chart) Urbidity Ioatables Does Not Include rash) Do physical Indicators	INDICATORS (A /N Descr Sewa Other Clear Orans Other See se Sewa Petro Other s (flowing) sugg	att FLOWIN iption ge te/Red ceverity ge leum (oil sh cest an illicit.	G ASSETS) Rancid/Sour rown Multi-Color Suds and Foa een) discharge is pre	Sulfide Gray Ye m Grease sent (Y/N):	Petroleum/Gas		Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy 3 – Opaque 1 – Few/Sligh obvious 2 – Some; ind origin 3 – Some; ori	erity Index (1- ected e from a ected e from a udiness t; origin not lications of gin clear
ECTION 4: PHYSICAL ndicator Y, odor color color chart) urbidity loatables Does Not Include rash) Do physical Indicators ECTION 5: ON-SITE S/ darameter	INDICATORS (A /N Descr Seway Other Clear Orans Other Clear Orans Other See se Seway Petrol Other s (flowing) sugge	att FLOWIN iption ge averity ge leum (oil sh averity NG (ALL FLO IRecut	G ASSETS) Rancid/Sour rown Multi-Color Suds and Foa een) discharge is pre OWING ASSETS I True	Sulfide Gray Ye m Grease sent (Y/N):) Sample Date	Petroleum/Gas	ample Time.	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy 3 – Opaque 1 – Few/Sligh obvious 2 – Some; ind origin 3 – Some; ori	erity Index (1- ected e from a ected e from a udiness t; origin not lications of gin clear
ECTION 4: PHYSICAL ndicator Y, Odor Y, Color color chart) furbidity foatables Does Not Include rash) Do physical Indicators ECTION 5: ON-SITE S/ Parameter	INDICATORS (A /N Descr Sewa Other Clear Orans Other Clear Crear See se Sewa Petrol Other s (flowing) sugge AMPLING/TESTI	att FLOWIN iption ge te/Red te/Red te/Red territy ge leum (oil sh test an illicit NG (ALL FLO	G ASSETS) Rancid/Sour rown Multi-Color Suds and Foa een) discharge is pre OWING ASSETS Typ	Sulfide Gray Ye m Grease sent (Y/N):) Sample Date ical EPA Benchmar	Petroleum/Gas	ample Time	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy 3 – Opaque 1 – Few/Sligh obvious 2 – Some; ind origin 3 – Some; ori Exercise pment CH ECSOD	erity Index (1- ected e from a ected e from a udiness t; origin not lications of gin clear
ECTION 4: PHYSICAL ndicator Y, Ddor Color Color chart) Furbidity Furbidity Floatables Does Not Include Frash) Do physical Indicators ECTION 5: ON-SITE S/ Parameter Temperature	INDICATORS (A /N Descr Sewaj Other Clear Orang Other See se Sewaj Petro Other s (flowing) sugge AMPLING/TESTI	att FLOWIN iption ge te/Red te/Red teverity ge leum (oil sh test an illicit function NG (ALL FLO	G ASSETS) Rancid/Sour rown Multi-Color Suds and Foa een) discharge is pre OWING ASSETS Typ	Sulfide Gray Ye m Grease sent (Y/N):) Sample Date ical EPA Benchmar	Petroleum/Gas	ample Time	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy 3 – Opaque 1 – Few/Sligh obvious 2 – Some; ind origin 3 – Some; origin 3 – Some; origin 3 – Some; origin CH ECSOO CH ECSOO	erity Index (1- ected e from a ected e from a udiness t; origin not lications of gin clear
ECTION 4: PHYSICAL ndicator Y, Ddor Color Color chart) Turbidity Turbidity Too physical Indicators ECTION 5: ON-SITE S/ Parameter Temperature DH	INDICATORS (A /N Descr Sewaj Other Clear Orang Other See se Sewaj Petro Other s (flowing) sugge AMPLING/TESTI	ALL FLOWIN iption ge te/Red te/Red teverity ge leum (oil sh test an illicit function NG (ALL FLO	G ASSETS) Rancid/Sour Rancid/Sour Suds and Foa een) discharge is pre OWING ASSETS Typ	Sulfide Gray Ye m Grease sent (Y/N):) Sample Date ical EPA Benchmar	Petroleum/Gas	ample Time	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Fight clou 2 – Cloudy 3 – Opaque 1 – Few/Sligh obvious 2 – Some; ind origin 3 – Some; ori Edutorial Pment CH ECSOO CH ECSOO	erity Index (1- ected e from a ected e from a udiness t; origin not lications of gin clear
SECTION 4: PHYSICAL ndicator Y, Ddor Color Color Color chart) Furbidity Floatables Does Not Include Frash) Do physical Indicators SECTION 5: ON-SITE S/ Parameter Femperature DH Specific Conductivity	INDICATORS (A /N Descr Sewaj Other Clear Orang Other See se Sewaj Petrol Other s (flowing) sugge AMPLING/TESTI	ALL FLOWIN iption ge te/Red te/Red teverity ge leum (oil sh test an illicit for NG (ALL FLO Result	G ASSETS) Rancid/Sour Rancid/Sour Suds and Foa een) discharge is pre OWING ASSETS Typ	Sulfide Gray Ye m Grease esent (Y/N):) Sample Date ical EPA Benchmar	Petroleum/Gas	ample Time ExTE EXTE	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy 3 – Opaque 1 – Few/Sligh obvious 2 – Some; ind origin 3 – Some; origin 3 – Some; origin 3 – Some; origin CH ECS00 CH ECS00 CH ECS00	erity Index (1- ected e from a ected e from a udiness t; origin not lications of gin clear
ECTION 4: PHYSICAL ndicator Y, Ddor Color Color Color chart) Furbidity Furbidity Floatables Does Not Include Trash) Do physical Indicators ECTION 5: ON-SITE S/ Parameter Temperature DH Epecific Conductivity Chlorine	INDICATORS (A /N Descr Sewaj Other Clear Orans Other See se Sewaj Petrol Other s (flowing) sugg AMPLING/TESTI	ALL FLOWIN iption ge te/Red te/Red teverity ge leum (oil sh test an illicit for NG (ALL FLO Result	G ASSETS) Rancid/Sour Rancid/Sour Suds and Foa een) discharge is pre OWING ASSETS Typ	Sulfide Gray Ye m Grease esent (Y/N):) Sample Date ical EPA Benchmar > 0.	Petroleum/Gas	ample Time Equi ExTE EXTE Hach	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Sight clot 2 – Cloudy 3 – Opaque 1 – Few/Sligh obvious 2 – Some; ind origin 3 – Some; ori CH EC500 CH EC500 CH EC500 CH EC500 CH EC500 CH EC500	erity Index (1- ected e from a ected e from a udiness t; origin not lications of gin clear
SECTION 4: PHYSICAL ndicator Y, odor Odor Color Color Color chart) Furbidity Floatables Does Not Include Frash) Co physical Indicators SECTION 5: ON-SITE S Parameter Femperature SH Specific Conductivity Chlorine Ammonia	INDICATORS (A /N Descr Sewaj Other Clear Orans Other See se Sewaj Petrol Other s (flowing) sugg AMPLING/TESTI	ALL FLOWIN iption ge : everity ge leum (oil sh : NG (ALL FLO Result	G ASSETS) Rancid/Sour Rancid/Sour Suds and Foa een) discharge is pre OWING ASSETS Typ	Sulfide Gray Ye m Grease sent (Y/N):) Sample Data ical EPA Benchmar > 0. > 1	Petroleum/Gas	ample Time Equi ExTE EXTE Hach Hach	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clot 2 – Cloudy 3 – Opaque 1 – Sew/Sligh obvious 2 – Some; ind origin 3 – Some; ori CH EC500 CH EC500	erity Index (1- ected e from a ected e from a udiness t; origin not lications of gin clear
ECTION 4: PHYSICAL ndicator Y, odor olor color chart) 'urbidity loatables Does Not Include 'rash) Do physical Indicators ECTION 5: ON-SITE SJ 'arameter emperature H pecific Conductivity hlorine mmonia urfactants	INDICATORS (A /N Descr Sewaj Other Clear Orans Other See se Sewaj Petrol Other s (flowing) sugge AMPLING/TESTI	all FLOWIN iption ge te/Red te/Red territy ge leum (oil sh test an illicit for NG (ALL FLO Result	G ASSETS) Rancid/Sour Rancid/Sour rown Multi-Color Suds and Foa een) discharge is pre OWING ASSETS Typ	Sulfide Gray Ye m Grease sent (Y/N):) Sample Data ical EPA Benchmar > 0. > 1 > 0.	Petroleum/Gas	ample Time Equi ExTE EXTE Hach Hach	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clot 2 – Cloudy 3 – Opaque 1 – Sew/Sligh obvious 2 – Some; ind origin 3 – Some; ori 5 – Some; ori 0 – Checsoo CH ECSOO CH	erity Index (1- ected e from a ected e from a udiness t; origin not lications of gin clear
SECTION 4: PHYSICAL ndicator Y, odor Color Color Color chart) Curbidity Coatables Does Not Include Trash) Co physical Indicators ECTION 5: ON-SITE SJ Tarameter Cemperature IH pecific Conductivity Thlorine Unfactants Coli	INDICATORS (A /N Descr Sewaj Other Clear Orans Other See se Sewaj Petrol Other s (flowing) sugge AMPLING/TEST	ALL FLOWIN iption ge ce/Red ce/Red ce/Red ceverity ge leum (oil sh cest an illicit NG (ALL FLO Result L	G ASSETS) Rancid/Sour Rancid/Sour rown Multi-Color Suds and Foa een) discharge is pre OWING ASSETS Typ AB	Sulfide Gray Ye m Grease sent (Y/N):) Sample Data Ical EPA Benchmar > 0. > 1 > 0. > 235	Petroleum/Gas	ample Time Equi ExTE EXTE EXTE Hach Hach CHER To b	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy 3 – Opaque 1 – Sew/Sligh obvious 2 – Some; ind origin 3 – Some; ori 0 0 0 0 0 0 1 – EcS00 CH ECS00 C	erity Index (1- ected e from a ected e from a udiness t; origin not lications of gin clear
SECTION 4: PHYSICAL ndicator Y, odor Odor Color Color Color chart) Turbidity Ioatables Does Not Include Trash) Do physical Indicators ECTION 5: ON-SITE SJ Trameter Cemperature IH pecific Conductivity Ihlorine Ummonia Urfactants Coli Interococcus	INDICATORS (A /N Descr Sewaj Other Clear Orans Other See se Sewaj Petrol Other s (flowing) sugg AMPLING/TESTI	aut FLOWIN iption ge ce/Red ce/Red ce/Red ceverity ge leum (oil sh cest an illicit NG (ALL FLO Result L L L	G ASSETS) Rancid/Sour Rancid/Sour rown Multi-Color Suds and Foa een) discharge is pre OWING ASSETS Typ AB AB AB	Sulfide Gray Ye m Grease sent (Y/N):) Sample Data ical EPA Benchmar > 0. > 1 > 0. > 235 > 61 c	Petroleum/Gas	ample Time Equi ExTE EXTE EXTE Hach Hach To b	Relative Seve 3) 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Faint 2 – Easily det 3 – Noticeabl distance 1 – Slight clou 2 – Cloudy 3 – Opaque 1 – Singht clou 2 – Cloudy 3 – Opaque 1 – Few/Sligh obvious 2 – Some; ind origin 3 – Some; ori 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	erity Index (1- ected e from a ected e from a udiness t; origin not lications of gin clear













Storm Generic Inspection INSPECTION# STI0001326

Type DISCHARGE POINT

Issued: 6/20/18

pection Labor/Equipr	nents/Contractors U.D.F.					
Inspection Temperature	75	Odor	NONE		Sample Date	00/00/00
Date of Last Rainfall	06/18/18	Odor Severity	NONE		Sample Time	MILTER REAL PROPERTY
Time of Last Rainfall	20:45	Color Chart	NONE		SampleTemp	
Rain Fall Amount (in.)	0.50	Color Severity	NONE		Sample Location	
Outfall Location	THOMPSON RD	Turbidity	NONE	11 (150)		
Flow Description	NONE	Soilds				
Est. Flow (gpm)	0	Floatables	NONE			
Submerged Water	NO	Floatable Severity	NONE			
Submerged Sediment	PARTIALLY	pH				
Deposit/Stains	NONE	Chlorine				
Abnormal Vegatation	NONE	l				
Pool Quality	NONE	Specific Conductivity	y[
Pipe Algea Growth	NONE	Ammonia				
Outfall Damage	NO	Surfactants				
Damage Description	NONE		Bacteria Date	00/00/00		
		Bacteria Prev	ious Rainfall Date	00/00/00		
Infrastructure Repairs		Bacteria	Rainfall Amount	0		
Photo Taken	YES	E.Coli				
Number of Photos	5	Enterococcus				
		Indicators Possible Illicit	Cip. Harris			
		Non Illicit				



Storm Generic Inspection INSPECTION# STI0001322 Type DISCHARGE POINT

9/17/2018

Sub Type 0		ID	UNK1035	
Description Cross Co	untry	Permit		
CROSS C	OUNTRY	Cross Street		
Location Ref.	Map ID 13037	Map Sheet		
Notes		Recommend	lations	
UNK1035 DOES NOT E	XIST			

	Inspection Ty Weath Overall Condit	ner ion					Adm Sys Activit Ratin	s. y sto g	ORMWA	TER
_	PK UDF1				PK		F5			
	PK UDF2				PK	UD	F6			
	PK UDF3				PK	UD	F7			
	PK UDF4				PK	UD	F8			
	Inspection	Pass	ed	() Failed	REF	ERM	A#			
Seq	Date	Type	13.50	Code / Description	H	mm	Pay Type	Oty	Unit	Activity Location
1	06/20/18 10:45	abor	TMUF	001 - TYLER MURRAY	2	:00	REG			MS4 INSPEC
2	06/20/18 10:45	abor	JDON	001 - JAMES DONAHUE	2	:00	REG			MS4 INSPEC
3	06/20/18 10:45	equip	VEH-	S6 - TRACON VAN 2016 WHITE	2	2:00				MS4 INSPEC

Inspector Signature ____

:

1

:

Print Name TYLER MURRAY

Date

									100	51	-1280
SECTION 1: BACKG	ROUNDD	ATA Inspe	ector (Cre	w).TD.	Tm	Street Name	/ Structure	Location	: THOM	PSON	DD DD
ASSET ID (DMH,CB	,Outfall)	61	TFAL	L			OUTFALL ID):	UNK I	035	A.P.
Date: 6/2	0/18						Time:	10:	45		
Temperature:	75 F						Inspector(s)	: ×	TD+TM		
· · · · · · · · · · · · · · · · · · ·	100000						Photos Take	en V If	yes, Photo	Numbers:	2
Previous Precipitat	tion Date	6/181	Amount (1.Ch	(minimum	48 hr dry pe	eriod and le	ss than O	.10 in)		
SECTION 2: ASSET	DESCRIPTIO	ON DESCR	IPTION		1.500 11 1	网络福富福			和生物的方	花花 法 法法	建的自然的高度能力
Location		Ma	terial	_		Shape		Di	imension (i	in.)	Submerged
RCP	CMP	PVC				Circular					In Water;
523	1222	200340	00000	0.025		4452351030	1.00		500024079W		No Partially
Storm	DPE	Steel	Clay	Othe	er:	Elliptical	Diar	meter/Di	mensions:		Fully
Sewer	to	E/		410-	111-11-1						
(Closed	100	ES	22	NO	/	Box					With Sediment:
Pipe)	P										
		EV	10	T		Other					No Partially
		CA	13	1		ound.					Fully
NAME AND A DESCRIPTION	1. 中国法国法	Start Start	15 STAR	URSIS IN	·卡尔尔 (1)	10 million and	CONSIDER NO.		a state	See Should	NAME AND ADDRESS OF
SECTION 3: PHYSIC	AL INDICA	TORS	and an	and the second se		and the second se	and the second second second second	Contra Maple	and the second second second		
ndicator	Y/N			Descripti	ion				_	Comment	5
Asset Damage				Spalling,	Cracking or	r Chipping	Peeling	Paint			
Deposits/Stains				Oily		Paint	Flow Li	пе	Other	:	
Pool Quality				Odors	Colors	Floatables	s Suds	6	xcessive		
the standard s	_			Algae	Oil Sheen	Other:	1				
					-	-	(C) 1				
ripe Algae/Growth				Brown	Orange	Green	Other:				
Do physical indica	tors sugges	t an illicit (discharge i	Brown is present	Orange (Y/N):	Green	Other:				
Do physical indica Flow Description	tors sugges	t an illicit (discharge i	Brown is present Trickle	Orange (Y/N):	Green Moderate	Other:		Substantial		ADMINI DE LA DE MININA DE LA DECEMIÓN
*Do physical indica Flow Description	tors sugges	t an illicit (discharge i	Brown is present Trickle	Orange (Y/N):	Green Moderate	Other:		Substantial		
*Do physical indica Flow Description SECTION 4: PHYSIC	tors sugges	t an illicit o	discharge i FLOWING	Brown is present Trickle ASSETS)	Orange (Y/N):	Green Moderate	Other:		Substantial		
Pipe Algae/Growth *Do physical indica Flow Description SECTION 4: PHYSIC Indicator	AL INDICAT	t an illicit (TORS (ALL Descript	discharge i FLOWING	Brown is present Trickle S ASSETS)	Orange (Y/N):	Green Moderate	Other:		Substantial	Relative So	everity Index (1-
*Do physical indica Flow Description SECTION 4: PHYSIC	AL INDICAT	t an illicit (TORS (ALL Descript Sewage	discharge FLOWING	Brown is present Trickle S ASSETS) Rancid/	Orange (Y/N):	Green Moderate Sulfide	Other:	/Gas	Substantial	Relative So 3) 1 - Faint	everity Index (1-
*Do physical indica Flow Description SECTION 4: PHYSIC Indicator	AL INDICAT	TORS (ALL Descript Sewage Other:	discharge i FLOWING tion	Brown is present Trickle G ASSETS) Rancid/	Orange (Y/N): Sour	Green Moderate Sulfide	Other:	/Gas	Substantial	Relative So 3) 1 – Faint 2 – Easily o	everity Index (1-
Pipe Algae/Growth *Do physical indica Flow Description SECTION 4: PHYSIC Indicator	AL INDICAT	t an illicit o FORS (ALL Descript Sewage Other:	discharge i FLOWING tion	Brown is present Trickle B ASSETS) Rancid/	Orange (Y/N):	Green Moderate	Other:	/Gas	Substantial	Relative So 3) 1 – Faint 2 – Easily o 3 – Notice:	everity Index (1- detected able from a
Pipe Algae/Growth *Do physical indica Flow Description SECTION 4: PHYSIC Indicator Odor	AL INDICAT	t an illicit (FORS (ALL Descript Sewage Other:	discharge i Mickarau FLOWING tion	Brown is present Trickle G ASSETS) Rancid/	Orange (Y/N): Sour	Green Moderate	Other:	: /Gas	Substantial	Relative So 3) 1 - Faint 2 - Easily o 3 - Notice: distance	everity Index (1- detected able from a
Pipe Algae/Growth *Do physical indica Flow Description SECTION 4: PHYSIC Indicator Odor	AL INDICAT	TORS (ALL Descript Sewage Other: Clear	discharge i FLOWING tion Bro	Brown is present Trickle B ASSETS) Rancid/	Orange (Y/N): Sour Gray	Green Moderate Sulfide	Other:	/Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily o 3 - Notices distance 1 - Faint	everity Index (1- detected able from a
Pipe Algae/Growth *Do physical indica Flow Description SECTION 4: PHYSIC Indicator Odor Color	AL INDICAT	TORS (ALL Descript Sewage Other: Clear Orange/	flowing FLOWING tion Bro Red	Brown is present Trickle Gadeda & ASSETS) Rancid/ wwn Multi-(Orange (Y/N): Sour Gray Color	Green Moderate Sulfide Ye	Other: Petroleum	/Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily o 3 - Notices distance 1 - Faint	everity Index (1- detected able from a
Pipe Agae/Growth Do physical indica Flow Description SECTION 4: PHYSIC Indicator Odor Color Color color chart)	AL INDICAT	TORS (ALL Descript Sewage Other: Clear Orange/ Other:	flowing FLOWING tion Bro Red	Brown is present Trickle Bassers) Rancid/ wwn Multi-C	Orange (Y/N): Sour Gray Color	Green Moderate Sulfide Ye	Other: Petroleum	//Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily o 3 - Notice: distance 1 - Faint 2 - Easily o	everity Index (1- detected able from a
Pipe Agae/Growth Poophysical indica Flow Description SECTION 4: PHYSIC Indicator Odor Color Color color chart)	AL INDICAT	t an illicit of FORS (ALL Descript Sewage Other: Clear Orange/ Other:	discharge i FLOWING tion Bro Red	Brown is present Trickle Gasses Bassets) Rancid/ Swn Multi-C	Orange (Y/N): Sour Gray Color	Green Moderate Sulfide Ye	Other: Petroleum	//Gas Green	Substantial	Relative Sa 3) 1 - Faint 2 - Easily of 3 - Notices distance 1 - Faint 2 - Easily of 3 - Notices	everity Index (1- detected able from a detected able from a
Pipe Agae/Growth Do physical indica Flow Description SECTION 4: PHYSIC Indicator Odor Color Color color chart)	AL INDICAT	t an illicit (FORS (ALL Descript Sewage Other: Clear Orange/ Other:	discharge i FLOWING tion Bro Red	Brown is present Trickle Gassesta Rancid/ Rancid/ Multi-C	Orange (Y/N): Sour Gray Color	Green Moderate Sulfide Ye	Other: Petroleum	/Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily of 3 - Notices distance 1 - Faint 2 - Easily of 3 - Notices distance	everity Index (1- detected able from a detected able from a
Pipe Agae/Growth Do physical indica Flow Description SECTION 4: PHYSIC Indicator Odor Color Color color chart)	AL INDICAT	t an illicit (TORS (ALL Descript Sewage Other: Clear Orange/ Other:	flowing FLOWING tion Bro Red	Brown is present Trickle GASSETS) Rancid/ Dwn Multi-C	Orange (Y/N): Sour Gray Color	Green Moderate Sulfide Ye	Other: Petroleum	/Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Slight of 2 - Cloudy	everity Index (1- detected able from a detected able from a
Pipe Agae/Growth Do physical indica Flow Description SECTION 4: PHYSIC Indicator Dodor Color Color color chart) Furbidity	AL INDICAT	t an illicit of FORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve	FLOWING FLOWING tion Bro Red	Brown is present Trickle GASSETS) Rancid/ wwn Multi-C	Orange (Y/N): Sour Gray Color	Green Moderate Sulfide	Other: Petroleum	/Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Slight of 2 - Cloudy 3 - Onaque	everity Index (1- detected able from a detected able from a detected able from a
Pipe Agae/Growth *Do physical indica Flow Description SECTION 4: PHYSIC Indicator Odor Color Color Color (color chart) Furbidity	AL INDICAT	t an illicit of FORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve	FLOWING FLOWING tion Bro Red	Brown is present Trickle (Biddefed & ASSETS) Rancid/ wwn Multi-C	Orange (Y/N): Sour Gray Color	Green Moderate Sulfide Ye	Other: Petroleum	/Gas Green	Substantial	Relative So 3) 1 – Faint 2 – Easily of 3 – Notice: distance 1 – Faint 2 – Easily of 3 – Notice: distance 1 – Sight of 2 – Cloudy 3 – Opaqui 1 – Faint	everity Index (1- detected able from a detected able from a doudiness e ight; origin not
Pipe Agae/Growth Do physical indica Flow Description SECTION 4: PHYSIC Indicator Color	AL INDICAT	t an illicit of FORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve	FLOWING FLOWING tion Bro Red	Brown is present Trickle S ASSETS) Rancid/ Dwn Multi-C	Orange (Y/N): Sour Gray Color	Green Moderate Sulfide Ye	Other: Petroleum ellow	/Gas Green	Substantial	Relative So 3) 1 – Faint 2 – Easily of 3 – Notice: distance 1 – Faint 2 – Easily of 3 – Notice: distance 1 – Slight of 2 – Cloudy 3 – Opaqu 1 – Few/Sli obvious	everity Index (1- detected able from a detected able from a doudiness e ght; origin not
Pipe Agae/Growth *Do physical indica Flow Description SECTION 4: PHYSIC Indicator Dodor Color Color Color chart) Furbidity Floatables Does Not Include	AL INDICAT	t an illicit of FORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve See seve Sewage Petroleu	FLOWING FLOWING tion Red rity m (oil she	Brown is present Trickle S ASSETS) Rancid/ Dwn Multi-C Suds and en)	Orange (Y/N): Sour Sour Gray Color	Green Moderate Sulfide Ye	Other: Petroleum ellow	/Gas Green	Substantial	Relative So 3) 1 – Faint 2 – Easily of 3 – Notice: distance 1 – Faint 2 – Easily of 3 – Notice: distance 1 – Sight of 2 – Cloudy 3 – Opaqui 1 – Few/Sli obvious 2 – Some;	everity Index (1- detected able from a detected able from a doudiness e ght; origin not indications of
Price Argae/Growth *Do physical indica Flow Description SECTION 4: PHYSIC Indicator Dodor Color Color Color chart) Furbidity Floatables Does Not Include Frash)	AL INDICAT	t an illicit of FORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve See seve Sewage Petroleu Other:	FLOWING FLOWING tion Red erity m (oil she	Brown is present Trickle S ASSETS) Rancid/ wwn Multi-C	Orange (Y/N): Sour Gray Color	Green Moderate Sulfide Ye	Other: Petroleum ellow	/Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Slight of 2 - Cloudy 3 - Opaqui 1 - Few/sli obvious 2 - Some; origin 3 - Some;	everity Index (1- detected able from a detected able from a cloudiness e ght; origin not indications of origin clear
Pripe Argae/Growth *Do physical indica Flow Description SECTION 4: PHYSIC Indicator Dodor Color Color Color chart) Furbidity Floatables Does Not Include (rash) *Do physical indicat	AL INDICAT Y/N	t an illicit (TORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve Sewage Petroleu Other: g) suggest	FLOWING FLOWING tion Red erity m (oil she an illicit d	Brown is present Trickle S ASSETS) Rancid/ wwn Multi-(Suds and en)	Orange (Y/N): Sour Gray Color d Foam s present f	Green Moderate Sulfide Ye Grease	Other: Petroleum ellow	/Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily of 3 - Notices distance 1 - Faint 2 - Easily of 3 - Notices distance 1 - Slight of 2 - Cloudy 3 - Opaque 1 - Few/Sli obvious 2 - Some; i origin 3 - Some; i	everity Index (1- detected able from a detected able from a cloudiness e ght; origin not indications of origin clear
Pipe Agae/Growth Pop physical indica Flow Description SECTION 4: PHYSIC Indicator Odor Color Color Color chart) Furbidity Floatables Does Not Include (rash) Pop physical indicat SECTION 5: ON-SITE	AL INDICAT Y/N	t an illicit (TORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve Sewage Petroleu Other: g) suggest G/TESTINO	FLOWING FLOWING tion Bro Red erity erity an (oil she an illicit d 5 (ALL FLO	Brown is present Trickle S ASSETS) Rancid/ Wing Suds and en) iischarge ii	Orange (Y/N): Sour Gray Color I Foam s present () SETS)	Green Moderate Sulfide Ye Grease Y/N):	Other: Petroleum ellow	/Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Slight of 2 - Cloudy 3 - Opaque 1 - Few/Sli obvious 2 - Some; origin 3 - Some;	everity Index (1- detected able from a detected able from a doudiness e ght; origin not indications of origin clear
Pipe Agae/Growth Pop physical indica Flow Description SECTION 4: PHYSIC Indicator Odor Color Color Color chart) Furbidity Floatables Does Not Include (rash) Pop physical indicat SECTION 5: ON-SITE Parameter	AL INDICAT Y/N	t an illicit of TORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve Sewage Petroleu Other: g) suggest g/TESTING	FLOWING FLOWING tion Bro Red erity erity an (oil she an illicit d 5 (ALL FLO Result	Brown is present Trickle S ASSETS) Rancid/ Swn Multi-C Suds and en) iischarge is	Orange (Y/N): Sour Gray Color f Foam s present () SETS) Typical EP	Green Moderate Sulfide Ye Grease Y/N): Sample Date	Other: Petroleum ellow e	/Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Slight of 2 - Cloudy 3 - Opaque 1 - Few/Sli obvious 2 - Some; i origin 3 - Some; i	everity Index (1- detected able from a detected able from a doudiness e ght; origin not indications of origin clear
Pipe Agae/Growth Pophysical indica Flow Description SECTION 4: PHYSIC Indicator Odor Color Color Color chart) Furbidity Floatables Does Not Include (rash) Pophysical indicat SECTION 5: ON-SITE Parameter Temperature	AL INDICAT Y/N	t an illicit of TORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve Sewage Petroleu Other: g) suggest G/TESTING	FLOWING FLOWING tion Bro Red erity erity an (oil she an illicit d 5 (ALL FLO Result	Brown is present Trickle S ASSETS) Rancid/ Swn Multi-C Suds and en) iischarge i WING ASS	Orange (Y/N): Sour Gray Color f Foam s present (SETS) Typical EP	Green Moderate Sulfide Ye Grease Y/N): Sample Date	Other: Petroleum ellow e	/Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Slight of 2 - Cloudy 3 - Opaque 1 - Few/Sli obvious 2 - Some; i origin 3 - Some; i Statement ECH ECSOD	everity Index (1- detected able from a detected able from a doudiness e ght; origin not indications of origin clear
Pipe Agae/Growth Pophysical indica Pophysical indica Pow Description SECTION 4: PHYSIC ndicator Odor Color Color Color chart) Purbidity Purbidity Poos Not Include Parameter	AL INDICAT Y/N	t an illicit of TORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve Sewage Petroleu Other: g) suggest G/TESTING	FLOWING FLOWING tion Bro Red erity erity an illicit d 5 (ALL FLO Result	Brown is present Trickle BASSETS) Rancid/ Sancid/ Multi-C Suds and en) iischarge i WING ASS	Orange (Y/N): Sour Gray Color f Foam s present (I SETS) Typical EP	Green Moderate Sulfide Ye Grease Y/N): Sample Date	Other: Petroleum ellow e	/Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Slight of 2 - Cloudy 3 - Opaque 1 - Few/Sli obvious 2 - Some; origin 3 - Some; origin 3 - Some; origin CH ECSOO ECH ECSOO	everity Index (1- detected able from a detected able from a doudiness e ght; origin not indications of origin clear
Pripe Argae/Growth Poophysical indica Flow Description SECTION 4: PHYSIC Indicator Odor Color Color Color chart) Furbidity Furbidity Color shot include Frash) Poophysical indicat SECTION 5: ON-SITE Parameter Femperature SH	AL INDICAT Y/N Cors (flowin SAMPLIN	t an illicit of TORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve Sewage Petroleu Other: g) suggest G/TESTING	FLOWING FLOWING tion Bro Red erity m (oil she an illicit d 5 (ALL FLO Result	Brown is present Trickle BASSETS) Rancid/ Sancid/ Multi-C Suds and en) iischarge i WING ASS	Orange (Y/N): Sour Gray Color f Foam s present (I SETS) Typical EP	Green Moderate Sulfide Ye Grease Y/N): Sample Date	Other: Petroleum ellow e	/Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Faint 2 - Easily of 3 - Notice: distance 1 - Slight of 2 - Cloudy 3 - Opaque 1 - Few/Sli obvious 2 - Some; origin 3 - Some; origin 3 - Some; origin CH ECSOO ECH ECSOO ECH ECSOO	everity Index (1- detected able from a detected able from a doudiness e ght; origin not indications of origin clear
Pripe Argae/Growth *Do physical indica Flow Description SECTION 4: PHYSIC Indicator Odor Color Color Color chart) Furbidity Furbidity Color so to include (rash) Po physical indicat SECTION 5: ON-SITE Parameter Femperature SH Specific Conductivit Chlorine	AL INDICAT Y/N Cors (flowin SAMPLIN	t an illicit of TORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve Sewage Petroleu Other: g) suggest G/TESTING	FLOWING FLOWING tion Bro Red erity m (oil she an illicit d 5 (ALL FLO Result	Brown is present Trickle BASSETS) Rancid/ Sancid/ Multi-C Suds and en) iischarge ii	Orange (Y/N): Sour Gray Color f Foam s present (I SETS) Typical EP	Green Moderate Sulfide Ye Grease Y/N): Sample Date > 0.	Other: Petroleum ellow e e e cks	/Gas Green	Substantial	Relative So 3) 1 - Faint 2 - Easily of 3 - Notices distance 1 - Faint 2 - Easily of 3 - Notices distance 1 - Faint 2 - Easily of 3 - Notices distance 1 - Slight of 2 - Cloudy 3 - Opaque 1 - Few/Sli obvious 2 - Some; origin 3 - Some; origin 3 - Some; origin CH ECSOO ECH ECSOO ECH ECSOO ECH ECSOO	everity Index (1- detected able from a detected able from a doudiness e ght; origin not indications of origin clear
Pipe Agae/Growth Poophysical indica Poophysical indica Poophysical indicate SECTION 4: PHYSIC ndicator Dodor Color Color Color chart) Poophysical indicate Poophysical indicate Parameter	AL INDICAT Y/N Cors (flowin SAMPLIN	t an illicit of TORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve Sewage Petroleu Other: g) suggest G/TESTINO	FLOWING FLOWING tion Bro Red erity m (oil she an illicit d 5 (ALL FLO Result	Brown is present Trickle BASSETS) Rancid/ Sancid/ Multi-C Suds and en) iischarge ii WING ASS	Orange (Y/N): Sour Gray Color f Foam s present (I SETS) Typical EP	Green Moderate Sulfide Ye Grease Y/N): Sample Date PA Benchmar > 0. > 1	Other: Petroleum ellow e e e cks 02 mg/L .0 mg/L	/Gas Green	Substantial	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice: distance 1 – Faint 2 – Easily of 3 – Notice: distance 1 – Faint 2 – Easily of 3 – Notice: distance 1 – Siight of 2 – Cloudy 3 – Opaque 1 – Few/Sli obvious 2 – Some; origin 3 – Some; origin 3 – Some; origin CH ECSOO ECH ECSOO ECH ECSOO ECH ECSOO	everity Index (1- detected able from a detected able from a doudiness e ght; origin not indications of origin clear
Prope Argae/Growth *Do physical indica Flow Description SECTION 4: PHYSIC Indicator Odor Color Color Color chart) Furbidity Furbidity Color shot include frash) Po physical indicat SECTION 5: ON-SITE Parameter Femperature SH Sectific Conductivit Chlorine Surfactants	AL INDICAT Y/N Cors (flowin SAMPLIN	t an illicit of TORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve Sewage Petroleu Other: g) suggest G/TESTINO	FLOWING FLOWING tion Bro Red erity m (oil she an illicit d 5 (ALL FLO Result	Brown is present Trickle BASSETS) Rancid/ Sancid/ Multi-C Suds and en) iischarge ii	Orange (Y/N): Sour Gray Color f Foam s present (I SETS) Typical EP	Green Moderate Sulfide Ye Grease Y/N): Sample Date PA Benchmar > 0. > 1 > 0.	Other: Petroleum ellow e e e e cks 02 mg/L 25 mg/L	/Gas Green	Substantial	Relative S 3) 1 – Faint 2 – Easily of 3 – Notice: distance 1 – Faint 2 – Easily of 3 – Notice: distance 1 – Faint 2 – Easily of 3 – Notice: distance 1 – Siight of 2 – Cloudy 3 – Opaque 1 – Few/Sli obvious 2 – Some; origin 3 – Some; origin 3 – Some; constance ECH ECSOO ECH ECSOO ECH ECSOO ECH ECSOO ECH ECSOO	everity Index (1- detected able from a detected able from a doudiness e ght; origin not indications of origin clear s s s s
Pipe Agae/Growth Poophysical indica Poophysical indica Poophysical indica Poophysical indicate Poophysical indicate Poophysica	AL INDICAT Y/N	t an illicit of TORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve Sewage Petroleu Other: g) suggest G/TESTINO	discharge i FLOWING tion Bro Red erity m (oil she an illicit d 5 (ALL FLO Result	Brown is present Trickle & ASSETS) Rancid/ wwn Multi-C Suds and en) iischarge ii WING ASS	Orange (Y/N): Sour Gray Color f Foam s present (I SETS) Typical EP	Green Moderate Sulfide Ye Grease Y/N): Sample Date PA Benchmar > 0. > 1 > 0. > 235	Other: Petroleum ellow e e e e c ks 02 mg/L 25 mg/L cfu/100mL	/Gas Green	Substantial Imple Time Equ EXT EXT EXT Hac Hac CHE To I	Relative S 3) 1 – Faint 2 – Easily c 3 – Notice: distance 1 – Faint 2 – Easily c 3 – Notice: distance 1 – Faint 2 – Easily c 3 – Notice: distance 1 – Siight c 2 – Cloudy 3 – Opaque 1 – Few/Sli obvious 2 – Some; origin 3 – Some; distance 1 – Siight c 2 – Cloudy 3 – Opaque 1 – Few/Sli obvious 2 – Some; origin 3 – Some; distance 1 – Few/Sli obvious 2 – Some; 1 – Few/Sli Sli 2 – Some; 2 – Some; 3 – Some; 2 – Some; 3 – Some; 2 – Some; 3 – Some; 2 – Some; 3 – Som	everity Index (1- detected able from a detected able from a doudiness e ght; origin not indications of origin clear s s s s gents Kit K-9400 b
Pipe Agae/Growth Poophysical indica Poophysical indica Poophysical indica Poophysical indicate Poophysical indicate Poophysica	AL INDICAT Y/N Cors (flowin SAMPLIN	t an illicit of TORS (ALL Descript Sewage Other: Clear Orange/ Other: See seve Sewage Petroleu Other: g) suggest G/TESTINO	FLOWING FLOWING tion Bro Red erity erity an illicit d 5 (ALL FLO Result	Brown is present Trickle & ASSETS) Rancid/ wwn Multi-C Suds and en) iischarge ii WING ASS	Orange (Y/N): Sour Gray Color f Foam s present (I SETS) Typical EP	Green Moderate Sulfide Ye Grease Y/N): Sample Date PA Benchmar > 0. > 1 > 0. > 235 > 61 c	Other: Petroleum Petroleum ellow e e e e e c c mg/L 25 mg/L cfu/100mL	/Gas Green	Substantial Imple Time Equ EXT EXT EXT Hac Hac CHE To I	Relative S 3) 1 – Faint 2 – Easily c 3 – Notice: distance 1 – Faint 2 – Easily c 3 – Notice: distance 1 – Faint 2 – Easily c 3 – Notice: distance 1 – Siight c 2 – Cloudy 3 – Opaque 1 – Few/Sli obvious 2 – Some; origin 3 – Some; distance 1 – Siight c 2 – Cloudy 3 – Opaque 1 – Few/Sli obvious 2 – Some; origin 3 – Some; distance 1 – Few/Sli obvious 2 – Some; 1 – Few/Sli obvious 2 – Some; 2 – Some; 1 – Few/Sli obvious 2 – Some; 2 – Some; 2 – Some; 2 – Some; 2 – Some; 2 – Some; 3 – Some; 2 – Some; 3 – Some; 2 – Some; 3 – Some; 3 – Some; 2 – Some; 3 – Some; 2 – Some; 3 – Some; 4 –	everity Index (1- detected able from a detected able from a doudiness e ght; origin not indications of origin clear s s s gents Kit K-9400 b







Type DISCHARGE POINT

Issued: 6/20/18

Generic Inspection #: STI	0001322				The second second second second
nspection Labor/Equip	ments/Contractors U.D.F.			10/10/10	Strategy Hunder Sterne 199
Inspection Temperature	75	Odor		Sample Date	00/00/00
Date of Last Rainfall	06/18/18	Odor Severity	NOT BE MADE	Sample Time	
Time of Last Rainfall	20:45	Color Chart		SampleTemp	
Rain Fall Amount (in.)	0.50	Color Severity		Sample Location	
Outfall Location	THOMPSON RD	Turbidity			
Flow Description	DOES NOT EXIST	Solids			
Est. Flow (gpm)	0	Floatables			
Submerged Water		Floatable Severity			
Submerged Sediment		DH			
Deposit/Stains		Chlorine			
Abnormal Vegatation					
Pool Quality		Specific Conductivity			
Pipe Algea Growth		Ammonia			
Outfall Damage		Surfactants			
Damage Description		Bact	eria Date 00/00/00		
		Bacteria Previous Rain	nfall Date 00/00/00		
Infrastructure Repairs		Bacteria Rainfall	Amount 0		
Photo Taken	YES	E.Coli			
Number of Photos	2	Enterococcus			
I		Indicators Possible Illicit			
		Non Illicit			

APPENDIX B

APPENDIX B MAINTSTAR GENERATED WORK ORDERS OUTFALL INVESTIGATIONS

There were no MaintStar generated work orders related to outfall investigations (prefix ST) during this reporting period.

APPENDIX C

APPENDIX C

SECONDARY TREATMENT BYPASS EVENT INFORMATION

For the weather-related power outage event that occurred on March 8, 2018 through March 10, 2018, which resulted in less efficient secondary treatment process due to the aeration tanks not being supplied power by the WPAF's generator, the following information is provided:

- State NPDES Monthly Report (March 2018)
- Daily Log (March 8 through 10, 2018)
- Comments Logbook (March 8 through 10, 2018)
- Notable Operations Data
 - o SCADA Influent Flow Trend Graph
 - SCADA Bypass Flow Trend Graph

STATE NPDES REPORT - MARCH 2018

	Q, tot	Recd	Rainfal	l Melt	Q, byp	Q, sec	Actual Setpt	Graph Setpt	TRC	ecal C	MLSS	MLSS	MLSS	Sec Effl	Sec Eff	SVI	SVI	SVI	ec lbs ae	ec lbs ae	#of AT	# of SST
	MGD	GPD	ins.	yes/no	MGD	MGD	Byp set, MG	Byp set, MG	mg/l	/100n	nAT #1	AT #2	AT #3	OD, mg	SS, mg	AT #1	AT #2	AT #3	OB metho	s formul	on line	on line
03/01/18	12.49	38,400		Yes	0.00	12.49	28.0		0.28	1	3,845	3,426	3,406	4.01	3.20	109	120	112	198,217	133,569	3	3
03/02/18	27.27	11,000	0.17		0.00	27.27	22.0		0.51	2	3,472	3,087	3,007			109	104	116	186,820	119,671	3	3
03/03/18	17.37	0	1.20		0.00	17.37	28.0		0.20												3	3
03/04/18	15.80	11,000			0.00	15.80	28.0		0.23						4.60						3	3
03/05/18	15.22	43,550	0.05	Yes	0.00	15.22	28.0		0.38	1	3,520	3,120	3,232		4.00	122	106	124	204,976	123,499	3	3
03/06/18	14.12	28,750		Yes	0.00	14.12	28.0	inactivated	0.28	1	3,762	3,248	3,590		4.40	106	95	131	212,291	132,606	3	3
03/07/18	17.90	45,100		No	0.00	17.90	28.0	inactivated	0.36	2	3,924	3,366	3,530			127	98	159	200,619	135,358	3	3
03/08/18	17.07	0			0.00	17.07	28.0		0.41													
03/09/18	16.23	37,800	0.15	Yes	0.00	16.23	28.0	inactivated	0.21	3											3	3
03/10/18	16.12	0		Yes	0.00	16.12	28.0	inactivated	0.20												3	3
03/11/18	16.24	0		Yes	0.00	16.24	28.0		0.41					7.99	8.20						3	3
03/12/18	16.59	10,500		Yes	0.00	16.59	28.0		0.45	1	3,570	3,560	3,934	5.42	6.40	101	104	107	245,636	138,411	3	3
03/13/18	16.64	0		Yes	0.00	16.64	28.0	inactivated	0.35	2	3,944	3,576	3,462	7.21	7.80	129	140	150	244,120	137,385	3	3
03/14/18	17.81	17,800	1.44	No	0.00	17.81	28.0	inactivated	0.28	2	3,610	3,596	3,060	5.09	5.80	111	103	131	221,876	128,428	3	3
03/15/18	17.25	36,100		Yes	0.00	17.25	28.0	inactivated	0.32	1	3,804	3,544	3,288	7.35	10.40	116	104	91	236,162	133,056	3	3
03/16/18	16.21	39,200		Yes	0.00	16.21	28.0	inactivated	0.30	1	3,794	3,456	3,488			132	104	106	230,196	134,332	3	3
03/17/18	15.44	17,750		Yes	0.00	15.44	28.0	inactivated	0.25												3	3
03/18/18	14.53	0		Yes	0.00	14.53	28.0		0.31					6.78	8.40						3	3
03/19/18	14.25	39,150			0.00	14.25	28.0		0.25	1	3,752	3,478	3,584	8.07	7.40	120	118	126	202,410	135,283		
03/20/18	13.70	14,500		No	0.00	13.70	28.0	inactivated	0.29	<1	3,806	3,524	3,576	4.26	4.40	121	116	137	201,746	136,434	3	3
03/21/18	13.58	29,050		Yes	0.00	13.58	28.0	inactivated	0.37	<1	3,760	3,474	3,634	6.89	5.00	130	115	110	207,042	135,959	3	3
03/22/18	14.95	9,500		Yes	0.00	14.95	28.0	inactivated	0.39	3	3,798	3,552	3,590	6.74	5.60	118	110	111	215,754	136,859	3	3
03/23/18	13.89	29,550	0.24	Yes	0.00	13.89	28.0	inactivated	0.47	2	3,932	3,646	3,678			127	112	92	209,386	140,813	3	3
03/24/18	14.33	13,000		Yes	0.00	14.33	28.0	inactivated	0.40												3	3
03/25/18	14.66	4,800	0.09	Yes	0.00	14.66	28.0	inactivated	0.40					8.09	7.00						3	3
03/26/18	14.60	25,550		Yes	0.00	14.60	28.0		0.29	1	3,704	3,402	3,312	7.73	5.60	146	138	148	204,088	130,329	3	3
03/27/18	14.78	0		Yes	0.00	14.78	28.0		0.50	<1	3,942	3,596	3,724	7.70	4.80	127	139	148	223,777	140,888	3	3
03/28/18	15.26	34,300	0.01	Yes	0.00	15.26	28.0		0.28	<1	3,864	3,446	3,642	5.70	5.40	122	142	137	224,783	137,010	3	3
03/29/18	15.29	41,050		Yes	0.00	15.29	28.0		0.24	<1	3,766	3,390	3,446	5.60	5.20	119	109	119	214,817	132,631	3	3
03/30/18	15.93	84,200	0.02	Yes	0.00	15.93	28.0		0.55	<1	3,524	3,210	3,206			131	97	125	188,906	124,349	3	3
03/31/18	14.92	3,000	0.02	Yes	0.00	14.92	28.0		0.68												3	3
Average	15.82								0.35	1	3,755	3,435	3,469	6.54	5.98	121	114	124	213,681	133,343		
Minimum	12.49		1						0.20					-		I	1					
Maximum	27.27								0.68													
Total	490.44	664,600	3.39		0.00	490.44													100,000	for 2ats	2ssts	
Operating	g Range	9							0.4-	88/1	0 2200	2200		30	30	50-150	131		125,000	for 2ats	3ssts	
									0.7	260/	1 1500	1500		45	45	143	159		150,000	for 3ats	3ssts	

rainfall amounts are for a 24 hour period ending at 7am of the day that the amount is recorded comment added on 5-13-14 by fgh

Septage

Snow

HA Date:	VERHILL, 03/08/18	MA - WW	TP - DAIL	Y LOG						
	SENIOR OPERATOR:	Primary Operator:	Centrifuge	Secondary Operator		WEATH	ER:	Snowmelt		
1st	Jim Bevelaqua	Jim Bevelaqua			_	Hi:		Lo:		Ob:
2nd	Riley/Paquette	Walter Alce	Norm Paquette	Kevin Rutledge	-	Rain:		Snow:		
3rd	Jim Bevelaqua	Waino Waisanen		Jbev	Cor	nditions:			s	snowcover
				PRIMAR	Y SCUN		SCREENIN	IGS CARTS	3:	
INFLUE	Q,Daily Total	MAX	MIN		Old	New	Plant	Pump Stat	ion (Grit quty
	17.07	7 27.77	10.30	1st	2.80	10.20	0			yd3
Q,byp	start/stop times am or pm & Q			2nd	2.85	10.20	0			
Q.bvp	Status			3rd	2.85	10.20	0			
Q.bypa	0.00) Q to 2nd	17.07							
PLANT	(*1600) POWER		Centrifuge:	4		12 Mid	PUMP STA	TION (*45()) PC	WER
End 1st	t KVA (06) KW (06	Primary:	570		12 Mid	Start 1st	KW(0) 6)	KVA(
End 2rd	KVA (06) KW (06	Secondary:	273		12 Mid	Start 2nd	KW()6)	KVA(
End 3rd	KVA (06) KW (06	Aeration:	0		12 Mid	Start 3rd	KW(06)	KVA
COLLE			Total:	1577		AERATI	ON: Dissol	/ed Oxyger	<u>ייי</u> ו	
#1		#2	10tal. #3			ΔΤς	on-line			
#1	slov	w of	f slow			#1	AT#1 infl d		2.5	
2nd	0	ff of	f off			#1	AT#1 IIII 0	lo avg	1.8	
211u	slov	w of	f slow			#3		lo avg	3.6	
sra	PSTs on-line					#4		o avg	1.7	
Gravity	Thickeners DOB:		Torque:			#6	AI#2 effl d	lo avg		
,	#1	#2	#1	#2		Weekly	Septage Pu	Imped	C	Gals
1st	0.0	n/a	n/a	n/a			SEPTAGE	LEVEL		
2nd	4	10	n/a	n/a			1st	5.55	ft	
3rd	4	10	/	/			2nd_	ft		
CI2 vol	Tank #1	Tank #2	TWAS LEVELS:				3rd	ft		
1st	1965			#1	#2	#3				
2nd	1935		1st	5	5	6				
3rd	1887		2nd	5	5	6				
Total	132		3rd	5	5	6				
Dosage	e Setpoint	Canono	0.0							
Effluen	t Cl2, mg/l	1.20	Inplant	/	1			CHLORINE	ERES	SIDUAL:
				1	1			(0.41 r	mg/l
CHEMI	CALS:	Sodium Hypo	14	Polymer dry	346			Polymer li	a. ¹	172
			-	Hydroxide	7			Alpha Lox	15	drums
SECON		#1 #2	#1	#2	#1	1	#2			
SECON	4.() 3	5.4	# <u>2</u> 5	<i>π</i>	5.4	#2 5.0			
	RAS#	SC#	RAS#	_SC#		RA	S# \$	SC#		_
0505	0.00		1.30				0.44			0.43
SECON	DARY CLARIFIER	5 Daily average	SSIS on-line			v Oneral	ors			
Depui	#1	#2	#3		#1	J Operat	#2		#3	
2.71	3.2	2 6.5		1st	3.0		3.0		3.0	
			-	2nd	2.0	2.5	2.0	2.5	1.5	<mark>1.5</mark>
				3rd	2.0	2.5	2.0	2.5	2.0	2.0

comments logbook for 3/8/2018 10/24/2018 12:54:09 PM

Comment

10:32:00 AM CONTROL_ROOM

for bp/ weather info,composite samples collected,plant checks, Beve staying over for storm event, operating step screens in hand,maint. in plowing, completed filling blend tank, many lift station alarms throughout city, Pedro and ? taking calls, lost power at plant @3am, main line to our main pump station is down (on ground), generator running, plant on generator power, tjr

1:13:00 PM CONTROL_ROOM

Brasier returning to HPB property to "open up" road to Pump Station (around permiter) not plowed by maint. , fgh checking in on water treatment and then going home,call if any problems, 2nd set blankets, hypo and final readings, maint. was told to have someone to come in tonight @ 10pm to check generators, tjr

4:21:00 PM CONTROL_ROOM

3 Primary and secondary plant checks - Not processing, no power, on partial generator power at plant and pump station - Pump station check ------==----Jbev

HA Date:	VERHILL, 03/09/18 SENIOR	MA - WW	TP - DAI	LY LOG					
	OPERATOR:	Operator:	Centrifuge	Operator			ED.	Snowmalt	Yes
1st	William Paszko					Hi:	25. 35	Lo:	23 Ob: 26
2nd	Thomas Riley	kevin Rutledge	Norm Paquette	Walter Alce	-	Rain:	0.15	Snow:	
3rd	Isaiah Lewis	Waino Waisanen			Cor	nditions:	artly Cloudy		8.0 snowcovor
	Mark B			PRIMAR	SCUN	LEVEL:	SCREENIN		:
INFLUE	Q.Daily Total	МАХ	MIN		Old	New	Plant	Pump Stati	on Grit autv
_	16.2	3 22.86	13.21	1st	2.83	10.20	0		4 yd3
Q.bvp	start/stop times am or			2nd	2.83	10.20	0		
Q.bvp	Status	inactivated	t l	3rd	2.83	10.20	0		
Q.bvpa	0.0	⁰ Q to 2nd	16.23	5					
PLANT	(*1600) POWER		Centrifuge	0		12 Mid	PUMP STA	TION (*450)	POWER
End 1st	t KVA ((06) KW (06	Primary:	0		12 Mid	Start 1st	KW(06	5) KVA(
End 2rd		(06) KW (06	Secondary:	0		12 Mid	Start 2nd	KW(0	6) KVA(
End 3rd	KVA	(06) KW (06	Aeration:	0		12 Mid	Start 3rd	KW(0	6) KVA
COLLE		(Total:	0		AERATIO	ON: Dissolv	/ed Oxygen	····
#1		#2		1		ΔΤς	on-line	3	
π 1	slo	w of	f slov	v v		#1	AT#1 infl d		
2nd	slo	w of	f slov	v		#1	AT#1 0	lo avg	
211U	slo	w of	f slov	v		#3	AT#1 emi d	lo avg	
sru	PSTs on-line	2				#4		o avg	
Gravity	Thickeners DOB	:	Torque:			#6	AI#2 effi d	lo avg	
	#1	#2	#1	#2		Weekly	Septage Pu	Imped	Gals
1st	0.0	10	n/a	n/a			SEPTAGE	LEVEL	
2nd		9	/	/			1st	5.45	ft
3rd		10	n/a	n/a			2nd	ft	
CI2 vol	Tank #1	Tank #2	TWAS LEVELS:				3rd	ft	
1st	1848			#1	#2	#3			
2nd	1801		1st	3	4	6			
3rd	1762		2nd	3	4	6			
Total	13	² Gallons	3rd	3	4	6			
Dosage	e Setpoint								
Effluen	t Cl2, mg/l	1.30	Inplant	t/	_/			CHLORINE	RESIDUAL:
				/	_/			0	^{.21} mg/l
CHEMI	CALS:	Sodium Hypo	14	Polymer dry	346			Polymer liq	1172
				Hydroxide	7			Alpha Lox '	15drums
SECON	DARY SCUM:	#1 #2	#1	#2	#1	I	#2		
	5.	0 5	5.4	5.0	5.4		5.0		
	RAS#	_SC#	RAS#	SC#		RA	S#\$	3C#	0.00
SECON			SSTs on line	3			0.00		0.00
Depth	of Blankets	Daily average			DOB b	y Operat	tors		
	#1	#2	#3		#1		#2		#3
2.73	2.	.1 7.8		1st	3.0	2.0	3.0	2.0	3.0 3.0
				2nd	1.5	1.5	1.5	1.5	2.0 1.0
				3rd	1.5	1.5	1.5	1.5	1.0 1.0

comments logbook for 3/9/2018 10/24/2018 12:55:03 PM

	Comment
1	5:38:00 AM CONTROL_ROOM weather info; collected composite samples; plant checks; chemical inv; operating step screens in local modes; Wastewater Plant and Pump Station on back up power thru the shift; voice alarm from the Pump Station telling that Back up Power is on every hour thru the shift; wp
2	9:46:00 AM FHAFFTY please be advised that the monday seniors meeting is cancelled. i will reschedule the meeting to a date TBD, fgh.
3	10:17:00 AM CONTROL_ROOM Plant checks, still no power to plant/pump station, NGRID reports power should be restored within next 24 hrs/ NOT necessarily Pump Station , scheduling 2nd man through weekend until power is restored, checking P.Station, manual DO's , plan is to Dump Blend tank when plant power is restored and reblend for centrifuge run Sat./or Sunday . np, meeting with management 11:00 on storm recovery update, adding Plant water to #2 GT to keep fluffed up ,9+ ft in tank with no power to rake arm, tir
4	2:21:00 PM CONTROL_ROOM Took operators to pump station to show "switch-gear " volt. meter and what to look for when power is restored, N.Grit latest est. for restoreing power is SUNDAY 11pm, 2nd set blankets, made copies of daily log sheets and sec. clarifier blanket sheets, final readings, tjr
5	2:31:00 PM FHAFFTY please call me with any significant changes during your shifts 978 994 6892, thanks,fgh.
6	9:52:00 PM CONTROL_ROOM Primary and secondary plant checks, still without power, Pump station check, North Ave lift station high water alarm - notified on call collections operator, Maint in at 10pm to check generators, final readings, IL

HA	VERHILL	, MA -	WW	TP - DA	ILY LOG						
Date:	03/10/18 SENIOR OPERATOR:	Prima Opera	ary itor:	Centrifuge	Secondary Operator			- D .	Caracterist	. 14	Yes
1st	William Paszko	Mark B	rasier	-			WEATH Hi:	ER: 37	Snowme Lo:	26	Ob: 31
2nd	Thomas Riley			Norm Paquette)	_	Rain:		Snow:		
3rd	Riley /Lewis	Walter	Alce	Norm Paquette)	_ Co	nditions:	artly Cloudy	/	6.5	chowoovo
	Kevin R				PRIMAR	RY SCU		SCREENIN		TS:	SHOWCOVE
INFLUE	Q,Daily Total	M	AX	MIN		Old	New	Plant	Pump St	ation	Grit guty
	16.	12 26.2	22	12.61	1s	t 2.84	10.20	1			4 yd3
Q,byp	start/stop times am o pm & Q	or			2no	d 2.84	10.2	1			
Q.byp	Status	in	activated		3re	d 2.84	10.20	1			
Q.bypa	0.	⁰⁰ Q to 2nd		16.1	2						
PLANT	(*1600) POWER	2		Centrifug	e: 20	כ	12 Mid	PUMP STA	TION (*4	50) F	OWER
End 1st	KVA	(06)	KW (06)	Primary	2824	4	12 Mid	Start 1st	ĸw	/(06)	KVA
End 2rd	KVA	(06)	KW (06	Secondary	126	D	12 Mid	Start 2nd	ĸv	/(06)	KVA
End 3rd	KV4	(06)	KW (06	Δoration		כ	12 Mid	Start 3rd	K	N(06)	KVA
				Tota	. 816	4	AERATI	ON: Dissol	ved Oxyg	en	
	CTOR SPEED	#2		1018	i. 		ΔTe	on-line	3		
#1	S	#2 OW	off	# slo	S ₩		A15			0.8	5
151 2nd	s	ow	off	slo	w		#1		io avg	0.7	,
	s	ow	off	slo	w		#3		io avg	3.4	
sra	PSTs on-line		2				#4	_AI#2 infl c	lo avg	1.0)
Gravity	Thickeners DO	B:	-	Torque:			#6	_AT#2 effl c	lo avg	1.0	
Cruthy	#1	ے. #2	!	#1	#2		Weekly	Septage Pu	umped		Gals
1st	0.0	10	l.	n/a	n/a		-	SEPTAGE	LEVEL		
2nd		10	l.	/	1			1st	6.34	ft	ł
3rd	3	9		n/a	n/a			2nd	f	t	
CI2 vol	Tank #1	Tank	#2	TWAS LEVELS				3rd	ft		
1st	1715	- Carina			#1	#2	#3				
2nd	1660			1st	3	4	6				
211u 2rd	1605			2nd	3	4	4				
Total	1	⁵⁰ Gallons		3rd	8	9	11				
Dosage	Setpoint	Galiolis		Sid							
Effluent	t Cl2. ma/l	1.50		Inplar	nt /	1			CHLORI		ESIDUAL:
										0.20	mg/l
СНЕМІС	CALS	Sodium Hy	/po	14	Polymer dry	346			Polymer	lia.	1172
		,	,po		Hydroxide	_ 7			Alphalo	x 15	- drums
SECON		#1	#2	#1	#2		1	#2		<u></u>	
SECON	DART SCOM.	7 1	#2	#1 5.	#2 4 5.	# 1 5.4	<u>5.1</u>	#2			
	RAS#	SC#		RAS#	SC#		RA	S#	SC#		
	0.	00		0.1	1	2		1.01			1.00
SECON	DARY CLARIFIE	RS Daily avera	aue	SSIS on-lin	e	י א אטע גע	w Onersi	tors			
Septir	#1	#2	-90	#3		#1	- operation	#2		#3	6
4.05	4	4.0	6.3		1s	t 2.0	1.0	2.0	1.0	1.0	<mark>) 1.0</mark>
					2no	d <u>1.0</u>	3.0	1.0	4.5	1.0	3.0
					3re	d <mark>.0</mark>	4.0	4.5	5.0	3.0	<mark>3.5</mark>

comments logbook for 3/10/2018 10/24/2018 12:55:26 PM

	Comment
1	6:07:00 AM CONTROL_ROOM weather info; dumped composite samples; plant check; chemical inv; operating step screens in local modes; Wastewater Plant and Pump Station still on back up power thru the shift; Mark Braser on shift to assist; Maintenance in at 5 am; wp
2	9:22:00 AM CONTROL_ROOM Plant checks, DO profiles done on AT's and SC +putfall, Rutledge in Lab, Bruce talked to engineer at P.Station (N-Grid) and apparently Line Crew thought Pump Station was Treatment Plant, they will be able to through switch to power for plant in 30 min. Pump Station should have power about 1:00pm today, Pingree is on sight with Bruce and Nornan to assist putting processes back on, fgh notified, tir
3	10:28:00 AM CONTROL_ROOM Plant power restored @10:00 am, restarting and checking equipment, RAS pump delayed 2hrs. / fgh, cleaned GT weirs, starting #2 DAF , tjr
4	11:57:00 AM CONTROL_ROOM Pump station switched over @10:40, plant returning to normal, AT DO's comming up , starting DAF, Dumping blend tank + old poly, tjr
5	12:59:00 PM CONTROL_ROOM Inf . DO in AT's came up/ eff struggling, called fgh as to putting RAS pumps on as storm SOP set friday/ waiting 2 hrs. , He said to as planned, turn RAS on, was pumps striggling to pump/ thick ,2 pumps needed till it thins, (Qto DAF=50 gpm, 2nd set of blankets, tjr
6	2:50:00 PM CONTROL_ROOM 2nd set blankets, P.Station checked, all power back on, started DAF lab, called HPW and Verizon for tree limb on phone line to plant @ So.Porter St., pumping primary scum, WAS pumps still struggling with thick sludge, 2-pumps on to DAF, final readings,tjr
7	8:20:00 PM CONTROL_ROOM Plant checks, operating DAF #2, cleaned DO probes, IL




APPENDIX D

Haverhill IDDE Inspection Form

SECTION	1: BACH	KGROUN	D DATA									
ASSET ID): (DMH,	CB,Outfal	l)					OUTFA	ALL ID:			
Date:		·						Time:				
Temperatur	re:	°F						Inspecto	or(s):			
Street Nam	e/Structur	e Location	ı:					•				
Previous 48	8 Hours P	recipitation	1 Date	End Ti	me A	mount		Photos	Taken	If yes, Numb	er of Photos:	
Maintstar V	Work Ord	er No.:						Maintst	ar Inspect	tion No.:		
SECTION	2: ASSE	T DESCR	IPTION	DESCRIPTIO	ON							
T				Matarial			Cha	-		Dimonsion	(im.)	Galeranaad
Location				Material			Sha	pe		Dimension	(111.)	Submerged
[]	RCP	CMP	P	PVC			Circular					In Water:
Storm	н	JPF	Steel	Clay	Other		Elliptical	1	Diamete	r/Dimensions [.]		No Partially
Sewer	111	ЛL	Steel	Ciay	other.		Linpuca	L	Diamete	Dimensions.		Fully
(Closed							Box					With Sediment:
Pipe)							Other [.]					No Partially
							outer					Fully
SECTION	3: PHYS	SICAL IN	DICATO	RS								
Indicator		Y/N			Description						Comments	
Asset Dama	age				Spalling, Cra	cking or Chipp	ing	Peeling P	aint	Corrosion		
Deposits/St	tains				Oily	Pain	t	Flow Li	ne	Other:		
Pool Qualit	tv				Odors C	olors Floa	tables	Suds	Ex	cessive Algae		
i ooi Quuin	, y				Oil Sheen	Other:						
Pipe Algae/	/Growth				Brown C	Drange Gro	een O	ther:				
*Do physic	cal indicat	ors sugges	t an illicit	discharge is pr	esent (Y/N):							
Flow Descr	ription		GPM_		Trickle		Moderate	e		Substantia	1	No Flow
SECTION	4: PHYS	ICAL IN	DICATO	RS (ALL FLO	OWING ASS	ETS)						
Indicator		Y/N	Descrip	otion							Relative Sev	erity Index (1-3)
			Sewage	R	ancid/Sour	Sulfide	Petrol	eum/Gas	L	aundry	1 – Faint	
			Other:	-		Sunde	1 cuon	oun ous	2.	aanary	2 - Easily de	tected
Odor												
											3 - Noticeab	le from a distance
G 1			Clear	Brown	n (Gray	Yellow	G	reen		1	
Color			Orange	/Red 1	Multi-Color	-					I – Faint	
(color chart	t)		Other:								2 – Easily de	tected
											3 – Noticeabl	le from a distance
											5 110110000	le from a distance
											1 – Slight clo	oudiness
Turbidity			See sev	erity							2 – Cloudy	
											3 - Opaque	
Floatables			Sewage	S	ids and Foam	Gre	ease				I – Few/sligh	it; origin not
(Does Not	Include										obvious	
(Doeb 1 tot 1 Trash)	monado		Petroleu	ım (oil sheen)							2 - Some; ine	dications of origin
			Other:								3 – Some; or	igin clear
*Do physic	al indicat	ors (flowin	ig) sugges	t an illicit discl	narge is presei	nt (Y/N):						
SECTION	5: ON-S	ITE SAM	PLING/1	ESTING (AL	L FLOWING	GASSETS)	Sample l	Date		Sample Tir	ne	
Parameter				Result		Typical EPA	Benchma	rks		Ec	quipment	
Temperatur	re									Ež	KTECH EC500	
pН										Ež	KTECH EC500	
Specific Co	onductivit	у								EZ	KTECH EC500	
Chlorine							≥ Rep	orting Lir	nit	Ha	ach Test Strips	
Ammonia							≥ (0.5 mg/L		Ha	ach Test Strips	
Surfactants	5						≥ 0).25 mg/L		Cl	HEMets Deterge	ents Kit K-9400
E.coli				L	AB	1	> 235	5 cfu/100n	nL	To	be sent to lab	
Enterococc	us			LA	AВ		> 61	cfu/100m	ıL	To	be sent to lab	
Sample Loo	cation:											
NON-ILLI	ICIT DIS	CHARGE	E CONCE	ERNS (e.g. tras	h or infrastr	ucture repairs)?					
Comments	5											

Haverhill IDDE Inspection Form

Inspector:			ASSET (Date:	GIS INSPECTION FORM ASSET ID:						
Is the outlet submerged	check Y/N	1	Yes				NO			
If yes schedule for clear	ning									
(CATCH B	ASIN MEASURE	MENTS			Cate	h Basin Gra	te Type :	Bar	
Depth to Sump (ft.):					_				Grate	
Depth to Outlet (ft.):			0/ f 11		-	Dronorby Al	ianadi	VEC	Other	
Deptil to Grit (It.):			% IUII		1	Property Al	igned:	TES	NU	
(CONNEC	TION MEASURE	EMENTS			T				
Clock position from outlet discharge		Position (ex. 12 o'clock)	Dia Size	Rim to Inlet	Flow/No Flow		ASSET D	ischarges Into):	
1. Inlet Dia. (in)=	1					Combine		Separate		
2. Inlet Dia. (in)=	2									
3. Inlet Dia. (in)=	3					Discharge .	Asset ID:			
4. Inlet Dia. (in)=	4									
Outlet Dia. (in)=			Rim to outlet:							
Comments:				_	Draw Co	nnections an	d Label by N 12 O'clock	umber		
				- - - -	9 O'clock			\rightarrow	3 O'clock	
							Discharge			



9/17/2018

Storm Generic Inspection

INSPECTION# STI0001328

Type DISCHARGE POINT

Sub Type 0		ID MR24314	
Description MERIMA	CK RIVER	Permit	
		Cross Street	
Location Ref.	Map ID	Map Sheet	
Notes		Recommendations	

2	Inspection Ty Weath Overall Condit	ion				Adm Sys. Activity Rating	STC	RMWA	TER
	PK UDF1 PK UDF2 PK UDF3 PK UDF4 Inspection	() Pass	sed () Failed	PK PK PK PK REF I	UDF UDF UDF UDF	5 6 7 8			
Seq 1 2 3	Date 06/27/18 08:41 06/27/18 08:41 06/27/18 08:41	Type labor labor equip	Code / Description TMUR001 - TYLER MURRAY JDON001 - JAMES DONAHUE VEH-S6 - TRACON VAN 2016	<u>Hr</u> 1: = 1: WHITE 1:	00	Pay Type REG REG	<u>Qtv</u>	<u>Unit</u>	Activity Location MS4 INVEST MS4 INVEST MS4 INVEST

Inspector Signature _____

:

;

:

Print Name TYLER MURRAY

Date

DATA	LING AND	Carson and	Contraction of the second	AT 21 10 10 10 10 10 10 10 10 10 10 10 10 10				۲۱ د	1258
D DATA	1		San IS Vie	NAME AND ADDRESS OF	al possibili	GARAGE P	第二人, 即1444年1月	SUSSAN DU DAM	从FE-AG916A//
location:	Wat	ir St			and the second				
4)	•					OUTFALLID:	MR 24314		
/						Time: 8:	Olam		
*						Inspector(s):	CP. TM. TD		
itgaien Dat	9	End Time	Amount	t(inches) 🛹		Photos Taken	(7)() If yes, Numl	ber of Photos:	
6115	11ª	1:45A	m a	74 /		Malotetas loso	undian No.:		
Norwards and	EVER BALLER PROPERTY.	AND	NUMBER OF TAXABLE	SALES LOUGHTER DOUGHT	Manager Stations	wantstar insp	etion No.:	CAMING BOARDAND	CONTRACTOR DOTORADO
PTION DE	SCRIPTION	and the state of the	and the second states of		ASTRA P	C111900107			al Canada States
		Material			Shape		Dimension ((in.)	Submerged
CMP	PVC				(Circular)				In Water;
Steel	Clay	Other:			Filintical	00	mater/Oimensions:		6
	2.23						metery connectionality.		Por Partially Fully
					Box	_			With Sediment:
					Other				On the set
					Statist.				No Parbally Fully
CATORS	1959	A CLOUDER		M. States	ALL CONTRACT	A A D A D A D A D A D A D A D A D A D A	and the search of the second		Constant of the second second
Y/N	Ser Contemport	Lindstatut	Description	18.8+1283Y/01174-0	SILIVANA SATI	CO CUCIONA	HAR ALL MARKING AND A HAR AND A	Comments	Sector Manager (193
1	1		Spalling, Crackin	g or Chipping	Peeling Palot	Corrector		Comments	
-14	10		and a second		· semigraint	CONOSION	N		
1	()-	an	Oily Pain	It (Flow Line	c) Oth	er:		1/000	hatter middle
N	-		Odors Color	s Floatables	Suds Exce	tssive Algae	Ol Sheen Other:	1	i weette
14	/				negation (Sector		0.154569 (0.60076)		
_1/1/			Brown Orang	le Green O	ther:				
igest an illic	cit discharge l	s present (Y/N)	1=						
	GPM		Trickle		Moderate		Substantia	1	No Flow
CONTRACTOR N	1000 1 11 10 19 100	and the second second	Section - stores	Ashieved being a state	CARACTERISTICS OF	SHORE BELLEVILLE	and the second state of the	AND STATISTICS	STRINGED STREET, STREE
CATORS (A	ALL FLOWING	ASSETS)	(Alaillizate)		的政策的限制		2.0月1883年3月		and the second
Y/N	Description	n						Relative Se	verity Index (1-3)
1	Sewage	Rancie	d/Sour Sulf	ide Petroleum/(Sas Laund	inv		1 - Faint	
1	Other		NATAN SERV	25 (COPPOSIDE				A - Faile	
	ouran.							2 – Easily de	tected
+	Gun		C					3 - Noticeal	ble from a distance
	Clear	Brown	Gray	Yellow G	ireen (Drange/Red	Multi-Color	1 – Faint	
	Other:					11	10	2 - Easily de	tected
	-					11	()	3 - Noticeat	ale from a distance
1						1/1	11/1	1 - Slight ck	oudiness
	See sevenit	<i>t</i>				1/1	0/1	2-Cloudy	
<u> </u>	100000	to do a				-1-11	-1-1	A-Opaque	
	Sewage	Suds an	nd Foam	Grease			F (1 Few/slig	ht; origin not obvious
1	Petroleum	oil sheen)					. <u> </u>	2 – Some; In	dications of origin
L	Other:		1.0.07.2017					3 – Some; or	igin clear
wing) sugge	est an illicit di	scharge is pres	ent (Y/N):						
UNG/TESTI	NG (ALL FLOW	VING ASSETS)	NUMBER OF COMPANY	are a subscription	Sample Date	an a	Samela Time		CALL AND DESCRIPTION
1000/14020	- AVELONAL ST	Result	ALCONDO ALCOND	Typical EPA B	enchmarks		Itauloren	CONTRACTOR OF STREET, STRE	SARATO CARA TO A STATE
							EXTECH FO	500	
							EXTECHED	500	
				_			EXTECHED	500	
					> 0.02	mg/L	Hach Test	Strips	
					>1.0	mg/L	Hach Test	Strips	
					> 0.25	mg/L	CHEMets C	etergents Kit K-940)
			LAB		> 235 cfu	/100mL	To be sent	tolab	
			LAB		361 ch	/100ml	To be sect	to lab	
	-				201 010	14000	to be sen	10 120	
					20100	12001112	To be Min	10 120	
NCERNS (e	.g. trash or in	frastructure r	epairs)?		20100		lo de sen	10 120	
	D DATA Location: II) 7 1 1 1 1 1 1 1 1 1 1 1 1 1	D DATA Location:	D DATA Location: URG/TESTING (ALL FLOWING ASSETS) P 'F tasion-Date End Time Cation: Date End Time Cation: Date End Time End Time	D DATA Location: U/Q-EC_S-F III) F Italion: DETENE End Time Amount F Italion: DESCRIPTION Material CMP PVC Steel Clay Other: ICATORS V/N Description V/N Description V/N Odors Color: V	D DATA Location: U/Q-QC ST II Location: U/Q-QC ST II Location: U/Q-QC ST II Location: Amount(inches) II Location: Send Time Amount(inches) II Location: O 224 II	D DATA Location:	D DATA Location:	0 DATA Location: //a+fr y: Inne::: inj: OUTFALLID:: //A R 2 4 31 4 y: Inne::: Standard y: Inne::: Proto::: y: Inne::: Proto::: y: Inne::: Inne::: y: Inne:::: Inne:::: <td< td=""><td>D DAA Location:</td></td<>	D DAA Location:

ST-460

Lybor =1	hall
Lybor -1	hall

	owner alle		A	SSET GIS IN	SPECTION FO	ORM	SSET ID		de al lotana via
Inspector:				Date:			000110		
Is the outlet submerge	d check Y/I	N		Yes		N	0		
f yes schedule for clea	aning								
	CATCH B	ASIN ME	ASURE	MENTS		Catch	Basin Gr	ate Type :	Bar
Donth to Sump (ft.)	CATCHE								Grate
Depth to Outlet (ft.)									Other
Depth to Grit (ft.)			%	6 full		Properly Alig	ned:	YES	NO
						7			
	CONNEC	TION ME	CASURE	EMENTS	Dia ta Laka		ASSETI	Discharges Inte	
Clock position from outlet discharge		Position 12 o'clo	(ex. ock)	Dia Size	Rim to Infet		ASSET	Jischarges Into	,
1. Inlet Dia. (in)=	1					Combine	-	Separate	
2. Inlet Dia. (in)=	2								
3. Inlet Dia. (in)=	3					Discharge As	sset ID		
4. Inlet Dia. (in)=	4								
5. Inlet Dia. (in)=	5								
6. Inlet Dia. (in)=	6							The second	
Outlet Dia. (in)=			F	Rim to outlet:					
Comments:						Draw Connect	ions and L	abel by Numbe	r
					9 O'clock		2 O'clock	$\Big>$	3 O'clock
							Dischar	rge	





Storm Generic Inspection INSPECTION# STI0001328

Type DISCHARGE POINT

Issued: 6/27/18

Generic Inspection #: STI0001328			Sector and a	al tint and the	
spection Labor/Equipments/Contractors U.D.F.	REAL CONSTRUCTION	A AND DESCRIPTION OF	States and a	A CONCERNING	
Inspection Temperature 67	Odor	NONE	Instant	Sample Date	00/00/00
Date of Last Rainfall 06/25/18	Odor Severity	NONE		Sample Time	REAL PROPERTY AND A REAL P
Time of Last Rainfall 06:45	Color Chart	NONE		SampleTemp	
Rain Fall Amount (in.) 0.74	Color Severity	NONE		Sample Location	
Outfall Location WATER ST	Turbidity	4 CLEAR/NONE			
Flow Description NONE	Solids				
Est. Flow (gpm) 0	Floatables	NONE			
Submerged Water NO	Floatable Severity	NONE			
Submerged Sediment NO	DH				
Deposit/Stains FLOW LINE	Chlorine				
Abnormal Vegatation NONE					
Pool Quality NONE	Specific Conductivity				
Pipe Algea Growth NONE	Ammonia	SE-MBUR SER			
Outfall Damage NO	Surfactants		- 22 - 21		
Damage Description NONE		Bacteria Date	00/00/00		
	Bacteria Previ	ous Rainfall Date	00/00/00		
Infrastructure Danalize	Bacteria	Rainfall Amount	0		
Photo Taken YES	E.Coll				
Number of Photos 1	Enterococcus				
	Indicators Possible Illicit		AND USE		
	Non Illicit				

Activity Fields Field Maintenance Assign to SHAW00 Shaw David W Map ID)1	Pr Aţ Je	iority oprov. By ssel Pau	1 • JESS001
Shaw David W Map ID		Je	ssel Pa	
Map ID				ul J
Info		Ma	ap Sheel	t
Phone1 Cross Street Comments		Ph	ione2	••••
Cross Street		w	Req. #	
Notes				
State Pro	_udi4 oblem 🗌 er leaking	Cus into drai	w tomer P in .	roblem 🗌
Hrmm P	Pay Type	Qtr:	<u>Unit</u>	Activity Location
2:00 R	EG			
4:00 R	EG	_		
4:00				
		10.00		
Cst Shr <u>%</u> Bl	lock#	Street / C	Cross Str	eet / City State Zip
1.00100.00	ALT	TAMONT	ST	
	Equipm Total W	ent Cost	\$120.0	00 7 18
	Cross Street _Comments Cross Street 	Cross Street _Comments 	Cross Street _Comments Cross Street W _Notes	Cross Street







