Ongoing Screening Summary Report 2013 Inspection Year

Illicit Discharge Detection and Elimination Program

City of Oshkosh

February 20, 2014

OMNNI Project No. N2029B13

ENGINEERING • ARCHITECTURE • ENVIRONMENTAL



Illicit Discharge Detection and Elimination Conducted For City of Oshkosh

Ongoing Screening Summary Report

2013 Inspection Year

Prepared by:

OMNNI Associates, Inc. One Systems Drive Appleton, WI 54914-1654 (T) 920/735-6900 (F) 920/830-6100 www.omnni.com

OMNNI Project Number N2029B13

February 20, 2014

Table of Contents

EXECUTIVE SUMMARY	1
BACKGROUND	1
Purpose	1
OUTFALL IDENTIFICATION AND MAPPING	1
INITIAL SCREENING PROGRAM	2
DEVELOPMENT OF ONGOING SCREENING PROGRAM	2
SCREENING METHODOLOGY	3
RAINFALL AND FLOW	5
RAINFALL	5
FLOW	7
SUBMERGED OUTFALLS	8
2012 PROGRAM OUTFALL RE-SCREENING	9
UPSTREAM MANHOLES WITH GROSS SOLIDS (01-132, 01-520, 03-22, 03-35, 06	-829) 10
Outfall 02-184 (Legion Place)	10
Outfall 02-322 (Rahr Avenue)	10
OUTFALL 06-2241(KNAPP STREET)	11
Outfall 13-1716 (Victory Car Wash)	11
OUTFALL 13-1758 (WASHBURN STREET / QUENT'S SERVICE STATION)	11
OUTFALL 14-582 (HYDRITE CHEMICAL)	11
Outfall 16-1508 (N. Westfield Street)	11
PHYSICAL INDICATOR ASSESSMENT	12
FLOATABLES	12
Odor	12
Turbidity	12
Color	13
VEGETATION	13
Benthic Growth	13
STAINS	14
GROSS SOLIDS.	14
Observed Conditions	15
CHEMICAL ANALYSIS	16
PH	17
Temperature	18
CONDUCTIVITY	19
CHLORINE	21
Copper	21

Ammonia	22
Detergents	23
Phenols	26
POTENTIAL ILLICIT DISCHARGES	26
UPSTREAM MANHOLES WITH SIGNIFICANT FLOATABLE DEBRIS	27
OUTFALL 02-184 (LEGION PLACE)	30
OUTFALL 12-1692 (WOOD DUCK COURT)	32
OUTFALL 13-1758 (WASHBURN STREET)	33
OUTFALL CONDITION ASSESSMENTS	36
Damage	37
DEPOSITION	39
EROSION	45
Graffiti	46
CONCLUSION	47
STANDARD OF CARE	48
List of Appendices	
MS4 OUTFALL MAP	A-1
2012 ONGOING SCREENING DISTRICT MAP	A-2
2012 OUTFALL INSPECTION REPORTS	B
LOCATIONS OF OUTFALLS WITH POTENTIAL ILLICIT DISCHARGES	
LOCATIONS OF OUTFALLS WITH DAMAGE	
LOCATIONS OF OUTFALLS WITH DEPOSITION	
LOCATIONS OF OUTFALLS WITH EROSION	
LOCATIONS OF OUTFALLS WITH GRAFFITI	
UPSTREAM MANHOLES WITH SIGNIFICANT FLOATABLE DEBRIS	D-1
OUTFALL 02-184 (LEGION PLACE) INVESTIGATION	D-2
OUTFALL 12-1692 (WOOD DUCK COURT) INVESTIGATION	D-2
OUTFALL 13-1758 (WASHBURN STREET) INVESTIGATION	D-3
List of Tables	
TABLE 1 - OBSERVED FLOW INTENSITY AT OUTFALLS	7
TABLE 2 - 2012 OUTFALLS RE-SCREENED UNDER THE 2013 PROGRAM	9
TABLE 3 - IDDE POTENTIAL OF OUTFALLS WITH AMMONIA DETECTIONS	
TABLE 4 - OUTFALLS WITH ELEVATED ILLICIT DISCHARGE CLASSIFICATIONS	
TABLE 5 - HISTORY OF MANHOLES WITH SIGNIFICANT GROSS SOLIDS	29
TABLE 6 - OUTFALLS WITH DAMAGE	
TABLE 7 - OUTFALLS WITH DEPOSITION	

TABLE 8 - OUTFALLS WITH EROSION	45
TABLE 9 - OUTFALLS WITH GRAFFITI	46
List of Figures	
FIGURE 1 - LOCATION OF WEATHER STATION RELATIVE TO INSPECTION AREA	5
FIGURE 2 - SUMMER 2013 WEATHER HISTORY (WEATHER UNDERGROUND)	6
FIGURE 3 - RAINFALL HISTORY AND OUTFALL INSPECTIONS	7
FIGURE 4 - FLOW INTENSITY AT OUTFALL	8
FIGURE 5 - SUBMERGED STATUS OF OUTFALLS	9
FIGURE 6 - PHYSICAL INDICATOR OBSERVATIONS	16
FIGURE 7 - PH SAMPLE RESULTS	18
FIGURE 8 - TEMPERATURE SAMPLE RESULTS	19
FIGURE 9 - CONDUCTIVITY SAMPLE RESULTS	20
FIGURE 10 - AMMONIA SAMPLE RESULTS	23
FIGURE 11 – TYPICAL MBAS DETERGENT TEST RESULTS	25
FIGURE 12 - DETERGENT SAMPLE RESULTS	25
FIGURE 13 - ILLICIT DISCHARGE POTENTIAL OF INSPECTED OUTFALLS	27
FIGURE 14 - SUDS ALONG SHORELINE NORTH OF OUTFALL 02-184 (2012)	30
FIGURE 15 - POOL IN UPSTREAM MANHOLE 02-184 US1 (2012)	31
FIGURE 16 - POOL IN UPSTREAM MANHOLE 02-184 US1 (2013)	31
FIGURE 17 - APPROXIMATE LOCATION OF OUTFALL 12-1692	32
FIGURE 18 - UPSTREAM MANHOLE 12-1692 US1	32
FIGURE 19 - PUDDLE NEAR 3855 WOOD DUCK COURT	33
FIGURE 20 - OIL ON SURVEY ROD FROM STORM MANHOLE 13-1743 (12/11/2012)	33
FIGURE 21 - POOL AT END OF OUTFALL 13-1748 (12/12/2012)	34
FIGURE 22 - POOL AT END OF OUTFALL 13-1748 (2013)	35
FIGURE 23 - UPSTREAM MANHOLE 13-1748 US1 (2013)	35
FIGURE 24 - UPSTREAM DETENTION BASIN (2013)	36
FIGURE 25 - DOWNSTREAM END OF SWALE (2013)	36
FIGURE 26 - CRACK ON APRON WALLS OF OUTFALL 12-1916 (MINOR DAMAGE)	37
FIGURE 27 - OUTFALL 06-1083 APRON DISPLACEMENT (MINOR DAMAGE)	37
FIGURE 28 - OUTFALL 13-1283 CORROSION (MINOR DAMAGE)	38
FIGURE 29 – CORROSION AND UNDERCUTTING AT OUTFALL 14-124 (MODERATE	20
DAMAGE)FIGURE 30 - OUTFALL 14-1515 CORROSION (MODERATE DAMAGE)	
FIGURE 31 - OUTFALL 14-1515 CORROSION (MODERATE DAMAGE)	
FIGURE 32 - OUTFALL 14-645 APRON DISPLACEMENT (MINOR DAMAGE)	
TIGONE 32 - OUTFALL 14-009 AFRON DISPLACEMENT (MODERATE DAMAGE)	ఎర

FIGURE 33 - OUTFALL 14-660 APRON DISPLACEMENT (MODERATE DAMAGE)	. 38
FIGURE 34 - OUTFALL 14-675 CORROSION (MINOR DAMAGE)	. 39
FIGURE 35 - OUTFALL 14-676 CORROSION (MODERATE DAMAGE)	. 39
FIGURE 36 - OUTFALL 14-999 APRON DISPLACEMENT (MINOR DAMAGE)	. 39
FIGURE 37 - MODERATE DEPOSITION AT OUTFALL 12-1245	. 40
FIGURE 38 - MINOR DEPOSITION AT OUTFALL 12-1261	. 40
FIGURE 39 - MODERATE DEPOSITION AT OUTFALL 12-1676A	. 41
FIGURE 40 - MINOR DEPOSITION AT OUTFALL 12-1916	. 41
FIGURE 41 - MINOR DEPOSITION IN MANHOLE 13-1098 US1	. 41
FIGURE 42 - MODERATE DEPOSITION AT OUTFALL 13-1283	. 41
FIGURE 43 - MINOR DEPOSITION AT OUTFALL 13-1588	. 41
FIGURE 44 - MODERATE DEPOSITION AT OUTFALL 13-1758	. 41
FIGURE 45 - MODERATE DEPOSITION AT OUTFALL 13-2611	. 42
FIGURE 46 - MINOR DEPOSITION AT OUTFALL 13-2860	. 42
FIGURE 47 - MINOR DEPOSITION AT OUTFALL 13-68	. 42
FIGURE 48 - MINOR DEPOSITION AT OUTFALL 14-1007	. 42
FIGURE 49 - SEVERE DEPOSITION AT OUTFALL 14-1136	. 42
FIGURE 50 - MINOR DEPOSITION AT OUTFALL 14-1138	. 42
FIGURE 51 - SEVERE DEPOSITION AT OUTFALL 14-1218	. 43
FIGURE 52 - MINOR DEPOSITION AT OUTFALL 14-1222	. 43
FIGURE 53 - MODERATE DEPOSITION AT OUTFALL 14-670	. 43
FIGURE 54 - MODERATE DEPOSITION AT OUTFALL 14-766	. 43
FIGURE 55 - MINOR DEPOSITION AT MANHOLE 15-1702 US1	. 43
FIGURE 56 - MINOR DEPOSITION AT OUTFALL 15-1734	. 43
FIGURE 57 - MINOR DEPOSITION AT OUTFALL 15-1746	. 44
FIGURE 58 - MINOR DEPOSITION AT OUTFALL 15-1806	. 44
FIGURE 59 - SEVERE DEPOSITION AT OUTFALL 15-1807	. 44
FIGURE 60 - MODERATE DEPOSITION AT MANHOLE 15-1807 US1	. 44
FIGURE 61 - MODERATE DEPOSITION AT OUTFALL 15-1856	. 44
FIGURE 62 - MINOR DEPOSITION AT MANHOLE 15-1856 US1	. 44
FIGURE 63 - SEVERE DEPOSITION AT OUTFALL 15-1891	. 45
FIGURE 64 - MINOR DEPOSITION AT MANHOLE 15-1891 US1	. 45
FIGURE 65 - SEVERE DEPOSITION AT OUTFALL 15-1903	. 45
FIGURE 66 - MODERATE DEPOSITION AT OUTFALL 15-2477	. 45
FIGURE 67 - MINOR EROSION NEAR OUTFALL 14-124	. 46
FIGURE 68 - MODERATE EROSION (SINKHOLE ABOVE JOINT)NEAR OUTFALL 14-660	. 46
FIGURE 69 - MINOR EROSION NEAR OUTFALL 15-1891	. 46

FIGURE 70 - GRAFFITI NEAR OUTFALL 14-659	. 47
FIGURE 71 - ILLICIT DISCHARGE POTENTIAL	. 47

EXECUTIVE SUMMARY

During the summer of 2013, OMNNI Associates, Inc. (OMNNI) assisted the City of Oshkosh with inspecting the outfalls in the City's municipal separate storm sewer system (MS4) for potential illicit discharges. Following the Illicit Discharge Ongoing Inspection Program that was developed in 2009, OMNNI inspected 95 of the approximately 362 MS4 outfalls identified in the City, including 12 outfalls that were re-screened due to potential illicit discharges in 2012. The inspections consisted of a visual screening along with a chemical analysis of any dry-weather flow that was present. The inspections revealed seven outfalls with evidence of potential illicit discharges.

The 2013 inspection year completed the first four-year cycle that was outlined in the original 2009 Ongoing Screening Program. The City will review and update the Ongoing Screening Program to include the Priority Outfall concept recommended by the Wisconsin Department of Natural Resources (WDNR) in the March 15, 2012 IDDE guidance document. After the updated plan is implemented, annual outfall screenings will resume according to the proposed schedule.

BACKGROUND

Purpose

Under Section 2.3.3 of the Wisconsin Pollutant Discharge Elimination System (WPDES) Permit No WI-S050075-1 ("permit"), the City of Oshkosh is required to conduct ongoing dry weather field screening of all outfalls during the term of the permit to detect potential illicit discharges.

Under the MS4 permit, an outfall is defined as "the point at which storm water is discharged to waters of the state or leaves one municipality and enters another." The MS4 is defined as "a conveyance or system of conveyances including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, constructed channels or storm drains, which meets all of the following criteria:

- 1. Owned or operated by a municipality.
- 2. Designed or used for collecting or conveying storm water.
- 3. Which is not a combined sewer conveying both sanitary and storm water."

When applied to the City of Oshkosh, the MS4 permit requires ongoing screening of the road ditch or storm sewer outfalls where the outfalls discharge to a water of the state (i.e., a navigable or non-navigable stream, lake, or wetland) or where they discharge into an adjacent municipality or to a county or state highway right-of-way.

OMNNI assisted the City of Oshkosh with developing a four-year ongoing screening program in 2009, and completed the ongoing screening program for the first set of outfalls in 2010. This report summarizes the results of the fourth year of the ongoing field screening program. The City may need to include these results in the annual report required by the MS4 permit due March 31, 2014.

Outfall Identification and Mapping

In 2009, the City of Oshkosh identified major and minor outfalls within the city as part of the MS4 mapping process required by the permit. Outfalls were identified at the locations where

the City's MS4 discharged to a water of the state, to an adjacent municipality, or outside the permitted area. Approximately 348 potential outfalls were identified during this process in 2009. (The number has changed since then, due to construction of stormwater detention basins, reconfiguration of the City's storm sewer system, and reevaluation of existing outfalls.)

Topographic information was also used to define approximate drainage basins for each outfall. Based on this information, each outfall was classified as "major" or "minor." A "major outfall," as defined by the MS4 permit, is an MS4 outfall that meets one of the following criteria:

- 1. A single pipe with an inside diameter of 36 inches or more or equivalent conveyance (cross sectional area of 1,018 square inches) which is associated with a drainage area of more than 50 acres.
- A single pipe with an inside diameter of 12 inches or more or equivalent conveyance (cross sectional area of 113 square inches) which receives storm water runoff from land zoned for industrial activity with 2 or more acres of industrial activity, but not land zoned for industrial activity that does not have any industrial activity present.

Outfalls not meeting the definition of a major outfall are considered "minor outfalls." OMNNI has also worked with the WDNR to develop a third class of outfalls — "supplemental" outfalls. Supplemental outfalls are storm sewer outfalls which may not meet the definition of an outfall according to the MS4 general permit, but should be included in an ongoing field screening program. The majority of the supplemental outfalls are detention basin inlets, which do not discharge directly to a water of the state, and therefore are not technically outfalls. However, sampling the detention basin inlets is an important component of the overall screening process, as illicit discharges are more likely to be discovered at the detention basin inlets rather than at the detention basin outfall.

When necessary, field verification was used to determine outfall sizes or drainage patterns. The current outfall map includes 100 major outfalls, 230 minor outfalls, and 32 "supplemental" outfalls. These numbers are updated each year as outfalls are located during the ongoing field screening program and modifications are made to the MS4. A map showing the MS4 outfalls is included in Appendix A.

Initial Screening Program

Per Section 2.3.2 of the MS4 general permit, the City was required to conduct an initial field screening at all major outfalls during dry weather periods. This initial field screening was required to be conducted within 36 months of the date that the permit was issued. The minor and supplemental outfalls should be included in the ongoing field screening to be conducted in future years.

OMNNI conducted the initial field screening for the City of Oshkosh during the summer of 2009. During the initial field screening, 109 major outfalls throughout the City were inspected. (There has been a net decrease of three major outfalls since the initial field screening due to changes in the storm sewer system and field confirmation of measurements.) The initial field screening revealed 24 major outfalls that showed evidence of a potential illicit discharge. The results of the initial field screening were presented to the City in the *City of Oshkosh Initial Field Screening Summary Report* (May 18, 2010).

Development of Ongoing Screening Program

Section 2.3.3 of the MS4 permit requires municipalities to develop an ongoing screening program and submit it to the WDNR within 36 months of the date that the permit was issued.

The ongoing screening program was to include provisions to include all outfalls (major, minor and supplemental) at least once during the 5-year permit cycle. In developing the program, consideration was to be given to the hydrological conditions, total drainage area, population density, traffic density, age of the structures or buildings in the area, history of the area, and land use types.

Based on the MS4 permit requirements and other information obtained from WDNR, OMNNI developed a proposed ongoing screening program for the City of Oshkosh. The permitted area was divided into four inspection districts, each with approximately the same number of outfalls. One district would be inspected each year, resulting in a four-year inspection cycle. At the end of the first inspection cycle, the inspection results were to be evaluated to determine if the inspection cycle for each outfall should be adjusted.

The proposed ongoing screening program was presented to the City in the CITY OF OSHKOSH IDDE ONGOING FIELD SCREENING PROGRAM (May 19, 2010). OMNNI conducted the first round of ongoing screening inspections during the summer of 2010, the second round of inspections was conducted during the summer 2011, and the third round of inspections was conducted during the summer of 2012. The fourth round of inspections was conducted in 2013, and the results are included in this report. The 2013 inspection district is shown in more detail in Appendix A.

Screening Methodology

OMNNI's outfall screening methodology loosely follows the procedures outlined in *ILLICIT DISCHARGE DETECTION AND ELIMINATION: A GUIDANCE MANUAL FOR PROGRAM DEVELOPMENT AND TECHNICAL ASSESSMENTS* (Center for Watershed Protection / Robert Pitt, October 2004). The procedures were modified to comply with the MS4 permit requirements, and have evolved after several years of experience.

Outfalls that have been previously inspected are located with the assistance of GPS. For outfalls that have not been previously inspected, the available MS4 mapping is used to physically locate the outfall, and then the GPS location is recorded to assist with future inspections. The physical properties of the outfall are then recorded – type of outfall, dimensions, material, and discharge location. A photograph of the outfall is taken to show the general location and configuration.

After the physical properties have been recorded, the outfall and surrounding area are screened for indicators of current or past illicit discharges. Sample indicator parameters include floatable material, gross solids, odors, stains, color of water, turbidity, abnormal vegetation and benthic growth. If any of these physical indicators are observed, they are further described and quantified. A close-up photograph is taken of the actual discharge of the outfall, showing any indicator parameters or flow from the outfall. A short video of the flow is also taken to document the magnitude of the flow or the lack of flow at the time of inspection.

The MS4 permit specifies that the outfalls be screened during periods of dry weather. Outfall inspections are typically conducted in the summer months to avoid the effects of snowmelt runoff in the storm sewer system. OMNNI generally waits for a minimum of 72 hours following a runoff-producing rainfall event to conduct the outfall screening. This typically allows sufficient time for the stormwater to discharge through the drainage area and outfall. If, after 72 hours, the outfall still has flow, a sample is collected and screened for chemical indicators of an illicit discharge. While the actual list of chemical parameters is specific to each outfall, most flowing outfalls are screened for the following parameters:

- pH
- Chlorine (total chlorine and free chlorine)
- Copper
- Detergents
- Phenols (for outfalls in basins with industrial sources)
- Ammonia
- Temperature
- Conductivity

The list of chemical parameters was developed using the parameters that were required for the initial field screening in the MS4 permit (listed in bold), and supplemented with additional parameters that are useful for tracking illicit discharges.

In some cases, outfalls can be either partially or fully submerged. A partially submerged outfall is an outfall where the elevation of the invert is below the water level of the receiving water. A fully submerged outfall is a pipe that is entirely below the water surface. In either condition, the water is "backed up" into the discharging pipe or channel, and is not free-flowing. Under these conditions, if a sample is collected at the outfall point, the sample could consist almost entirely of the receiving water.

In the case of partially or fully submerged outfalls, OMNNI developed a sampling procedure that was approved by WDNR. The submerged outfall is screened for physical indicators. However, the flow sample is collected from the first access point (i.e., manhole, catchbasin, curb inlet) upstream of the outfall. This reduces the influence of the receiving water. Typically, if there is no flow or pooled water at the upstream location, then no sample is collected. For all upstream sampling, a note is made of the distance and land use of the area between the outfall and the upstream area to assess the potential for illicit connections between the outfall and the upstream location.

In the event that the physical or chemical indicators show that there is a potential ongoing illicit discharge, the Illicit Discharge Coordinator of the municipality is contacted. If requested, OMNNI then assists the municipality with attempting to identify the source of the discharge, usually by inspecting and/or sampling additional upstream points to attempt to isolate a particular branch of the MS4 network.

While not explicitly required by the MS4 permit, OMNNI also conducts a physical condition assessment for each outfall. The inspector identifies any graffiti, damage, erosion or deposition present at the outfall and assigns a severity. This information is provided to the municipality to assist with maintenance activities.

A detailed outfall report is generated for each outfall that is inspected. The outfall report includes the general outfall information that was collected, along with detailed inspection results for each inspection conducted at the outfall. This provides a comprehensive history of the inspection results for the outfall as multiple inspections are performed over the life of the outfall.

Detailed inspection reports for each outfall are included in Appendix B. Some general observations from the field screening are noted in the following sections.

RAINFALL AND FLOW

Rainfall

Weather data was obtained from the Weather Underground website. Personal weather station KWIOSHKO10 ("Northeast Oshkosh") is located near the intersection of Nicolet Avenue and Bowen Street in the City of Oshkosh. The conditions at this weather station were considered representative of the weather in the City of Oshkosh for the 2013 inspection area. The location of the weather station in relation to the 2013 inspection area is shown in Figure 1.



Figure 1 - Location of weather station relative to inspection area

The weather history from June 1 through October 15 from this weather station is shown in Figure 2.

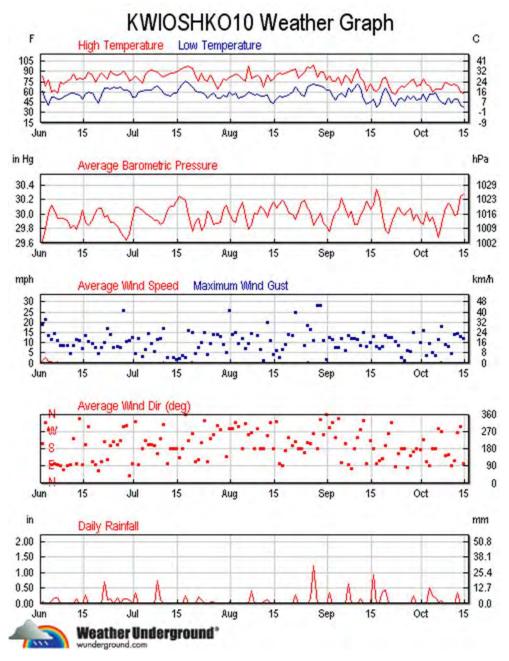


Figure 2 - Summer 2013 weather history (Weather Underground)

Outfall inspections were conducted in the City of Oshkosh on July 2, 3, 16, 17, 30, 31 and September 5, 2013. Those inspection dates (red), along with the daily rainfall history (blue), are shown in Figure 3.

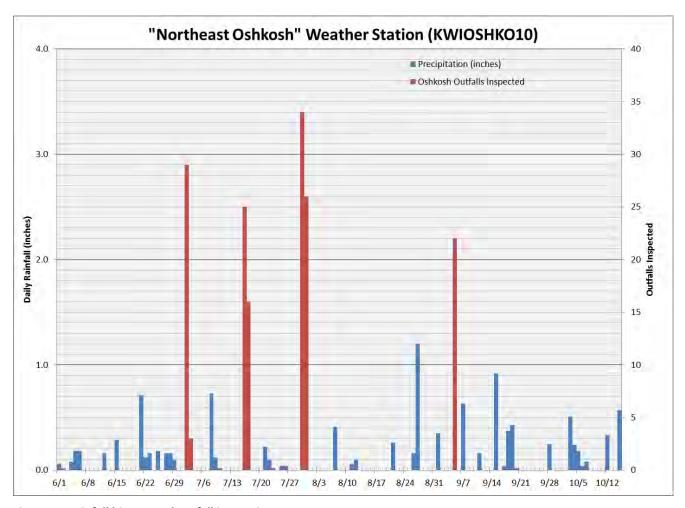


Figure 3 - Rainfall history and outfall inspections

Flow

To meet the requirement of dry weather screening, outfalls were typically screened at least 72 hours after the previous runoff-producing rainfall event. Despite this time period, 7 of the 95 inspected outfalls had dry weather flow, as described below:

Table 1 - Observed flow intensity at outfalls

Outfall	Flow Intensity
12-1261	Trickle
12-2092a	Moderate
13-1588	Trickle
14-635	Trickle
14-659	Trickle
14-676	Moderate
14-999	Trickle

(Note that if the outfall was partially or fully submerged, it is not included in this list. Submerged outfalls, along with the observed flow patterns, are described in the next section.)

Flow Intensity at Outfall

13

26

No Flow
Trickle
Moderate
Submerged, indeterminate
Submerged, no flow
Submerged, no flow
Submerged, not located

* Upstream sampling points not included
* Submerged includes partially and fully submerged

The distribution of the flow intensity of the outfalls is shown in Figure 4.

Figure 4 - Flow intensity at outfall

If dry weather flow was found during the field screening, a sample was collected and analyzed for the presence of indicator parameters. The analysis conducted is discussed in a later section.

Not all flow is an indicator of an illicit discharge. Following a significant rainfall event, surface water and groundwater elevations can be higher than normal. Much of the observed flow may originate from sump pump discharges, detention basin discharges, permitted discharges, and infiltration into the storm sewer system.

Submerged Outfalls

Most of the outfalls in the City were located at or below the normal levels of their respective receiving waters. Of the 95 inspected outfalls, 44 were partially submerged, and 18 were fully submerged (Figure 5). Of the 18 fully submerged outfalls, 13 could not be physically located.

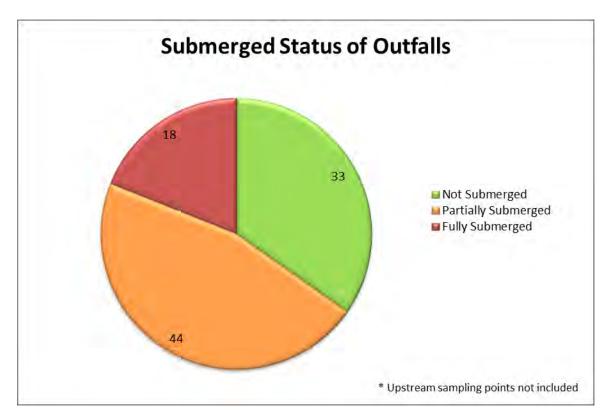


Figure 5 - Submerged status of outfalls

As shown in Figure 4, of the 62 submerged outfalls, 13 could not be located, one had no flow, four had slight flow, and 44 had indeterminate flow. The submerged flow was classified as "indeterminate" if there were no physical or visual indications of flow within the submerged pool, but it was not possible to definitively rule out flow (i.e., by observing dry sections directly above and below the submerged pool).

Submerged outfalls were screened at a representative upstream location (i.e., first upstream manhole), if one was available. If flow or a submerged pool was present in the upstream location, a sample was collected. If a representative upstream location was not available, a sample was collected from the submerged pool at the outfall.

2012 PROGRAM OUTFALL RE-SCREENING

In addition to the 83 outfalls identified in the 2012 district for the ongoing field screening program, 12 outfalls from the 2012 screening program were also re-screened in 2013. These outfalls had potential illicit discharges identified during the 2012 ongoing field screening program. The outfalls that were re-screened are listed below:

Table 2 - 2012 outfalls re-screened under the 2013 program

Outfall	Classification	Reason
		Persistent gross solids in upstream manhole (also present in 2010
01-132	Potential	and 2011).
		Persistent gross solids in upstream manhole (also present in 2009,
01-520	Potential	2010 and 2011).

Outfall	Classification	Reason
		Elevated ammonia (3-6 ppm) and detergent (0.2 mg/L) in upstream
02-184	Potential	manhole. Investigated in 2012.
02-322	Potential	Elevated ammonia and sewer odor; elevated pH in 2011.
		Persistent gross solids in upstream manhole (also present in 2009,
03-22	Potential	2010 and 2011).
		Persistent gross solids in upstream manhole (also present in 2009,
03-35	Potential	2010 and 2011).
06-2241	Potential	Elevated ammonia (3 ppm) in upstream manhole.
06-829	Potential	Persistent gross solids in upstream manhole
13-1716	Potential	Elevated detergent (1.2 mg/L) and ammonia (3 ppm) in manhole.
		Petroleum discharge from service station into storm sewer and
13-1758	Obvious	receiving waters (2012).
		Black discharge in stream around outfall (2012). Previous chemical
14-582	Potential	discharges.
16-1508	Potential	Elevated ammonia (3 ppm) in upstream manhole.

These 12 outfalls were screened in the same manner as the other outfalls in the 2013 inspection area. These outfalls are included in the outfall reports in Appendix B and the maps included in Appendix C (if applicable). The results of these re-screenings are summarized below.

Upstream Manholes with Gross Solids (01-132, 01-520, 03-22, 03-35, 06-829)

Five outfalls were identified as potential illicit discharges in 2012 due to significant quantities of floatable gross solids trapped in the upstream manholes. Many of these manholes have had significant gross solids for the duration of the ongoing screening. The five manholes were rescreened in 2013, with the exception of 01-132, which was determined to be too hazardous to screen due to traffic. All four of the inspected upstream manholes still contained similar amounts of floatable gross solids, and were considered potential illicit discharges again in 2013. These outfalls are discussed in more detail in the *Potential Illicit Discharges* section of this report.

Outfall 02-184 (Legion Place)

Outfall 02-184 was investigated in 2012 due to a property owner concern of suds along the shoreline. While the suds were determined to be from natural processes, a sample collected from the upstream manhole contained ammonia and detergent, and the manhole had a strong sewer odor. The manhole was re-screened in 2013 with similar results, and was classified as a potential illicit discharge. This outfall is discussed in more detail in the *Potential Illicit Discharges* section of this report.

Outfall 02-322 (Rahr Avenue)

Outfall 02-322 was screened in 2011 and found to have a low pH (5.21) in the sample from the upstream manhole. Because of this, it was re-screened in 2012, and the sample contained elevated ammonia (3-6 ppm). The upstream manhole also had a sewer odor. While investigating the discharge, an adjacent sanitary sewer manhole was inspected, and a crack was observed in the flowline. This damage was reported to the City.

When outfall 02-322 was re-screened in 2013, it appeared that the sanitary manhole had been repaired. The sample from the upstream manhole did not have any chemical indicators out of range, and no sewer odor was detected. It appeared that the fix to the sanitary sewer manhole

eliminated the potential illicit discharge at outfall 02-322. As a result, this outfall was not classified as a potential illicit discharge in 2013.

Outfall 06-2241(Knapp Street)

Outfall 06-2241 was screened in 2012 as part of the ongoing screening program. The outfall was submerged, so a sample was collected from the upstream manhole. This sample had an ammonia concentration of 3 ppm. A sample collected from the receiving water had a similar ammonia concentration. The upstream manhole and receiving water were re-screened in 2013. No ammonia was detected in the upstream manhole or receiving water during the inspection. As a result, it is assumed that the 2012 detection was due to the receiving water, and this outfall was not classified as a potential illicit discharge in 2013.

Outfall 13-1716 (Victory Car Wash)

Outfall 13-1716 consists of the outlet pipe for the detention basin immediately adjacent to Victory Car Wash. When the downstream manhole was screened in 2012 as part of the ongoing screening program, detergent and ammonia was present in the sample. The discharge was traced to the trench drain at the exit of the car wash. The City has indicated that it would not be feasible to connect this drain to the sanitary sewer due to the clear water that would enter from the parking lot. The manhole was re-screened in 2013. During this screening, there was no ammonia or detergent detected. This outfall was not classified as a potential illicit discharge in 2013.

Outfall 13-1758 (Washburn Street / Quent's Service Station)

Outfall 13-1758 was investigated in 2012 due to reports of an oil sheen at the outfall and in the upstream manholes and storm sewer. The discharge was traced to the sump discharge from Quent's Service Station, which was discharging petroleum products into the storm sewer. A hazardous materials response operation was conducted, and oil containment booms were deployed. The outfall and surrounding area were inspected again in 2013. Several oil containment booms were still deployed, and a petroleum odor and sheen were observed. Because of the continued presence of the petroleum, the outfall was classified as a potential illicit discharge. This outfall is discussed in more detail in the *Potential Illicit Discharges* section of this report.

Outfall 14-582 (Hydrite Chemical)

Outfall 14-582 was investigated in the past due to ammonia and/or chlorine discharges, which were traced to a storm sewer lateral coming from Hydrite Chemical. In 2012, a dark substance was present in the stream in the vicinity of the outfall pipe. The discharge was investigated, and the extent was mapped, but no source was identified. The dark discharge dispersed over the next few days. The outfall was re-screened in 2013, and no significant physical or chemical indicator parameters were observed. The outfall was not classified as a potential illicit discharge in 2013. However, due to the history of illicit discharges and the industries in the area, this outfall should be screened more frequently than every four years.

Outfall 16-1508 (N. Westfield Street)

Outfall 16-1508 was screened in 2012. The outfall was partially submerged, so a sample was collected from the upstream manhole. The sample contained 3 ppm ammonia. The ammonia was traced upstream to a manhole adjacent to the restrooms at Red Arrow Park. Potential ammonia sources included the restrooms at the park, or the former landfill located at the park

site. The outfall was re-screened in 2013. No ammonia was detected at the upstream manhole. As a result, the outfall was not classified as a potential illicit discharge in 2013. However, due to the history of illicit discharges and the history of the area, this outfall should be screened more frequently than every four years.

PHYSICAL INDICATOR ASSESSMENT

All outfalls, regardless of whether they exhibited dry-weather flow at the time of inspection, underwent an extensive assessment for physical indicators of past or current illicit discharges. The physical indicators are grouped into eight categories, and each category is assigned a severity rating based on the observed conditions, along with a qualitative description, if applicable. The eight categories of physical indicators are described below.

Floatables

Floatables include petroleum sheens, suds, algae, and evidence of raw sewage. These conditions would typically be observed in an area of stagnant water, such as a downstream pool or an upstream manhole, although some may be observed in the actual flow. Some conditions (petroleum sheens and sewage) are almost always the result of an illicit discharge. Other floatables, like suds and algae, can have non-illicit sources, but their presence can also indicate the potential for an illicit discharge, and the source should be traced.

Vegetative debris and solid waste (litter) can also float, but these substances are included in the *Gross Solids* category, and are not considered floatables.

A *slight* severity for floatables indicates isolated occurrences of the substance in the pool or flow. A *moderate* severity indicates a broader coverage, including distinct pockets of the substance. A *severe* classification typically describes total coverage of the water surface.

Odor

Clean stormwater should have no odor. Odors may be caused by the presence of chemicals, which can indicate a potential illicit discharge. The classification of odor is somewhat subjective, and may vary depending on the inspector. Some of the odor classifications are chemical-based, and include petroleum, VOC/solvent, chlorine, and sulfur. Other odor classifications are even more subjective, and include musty, fishy, sewage, and fragrant.

Odor can be difficult to quantify. As a result, the severity is based on the method that it can be detected. A *slight* severity for odor indicates that the odor can be detected in the sample bottle. A *moderate* severity indicates that the odor can be detected in the flow itself. A *severe* classification indicates that the odor can be detected from a distance.

Turbidity

Turbidity is a measure of the clarity of a water sample, reflecting the amount of suspended solids present in the water. As turbidity increases, the water becomes cloudy and eventually opaque. Turbidity has a negative impact on aquatic life, as it prevents sunlight from penetrating the water.

Turbidity is frequently caused by soil erosion that occurs upstream of the outfall. The soil erosion can be accelerated by poor erosion control management practices. Active construction sites and highly eroded areas are common sources of turbidity.

While turbidity can be measured directly using an instrument like a turbidimeter, the relative turbidity of each outfall sample was assessed qualitatively. A *slight* severity for turbidity indicates that the sample appeared slightly cloudy in the sample bottle. A *moderate* severity indicates that the sample exhibits significant cloudiness. A *severe* classification was used for a sample that was opaque in the sample bottle.

Color

Stormwater typically should be clear, with no apparent color. Certain tints and colors can indicate the presence of substances that could be a potential illicit discharge. Some tints can be caused by natural substances, such as tannins in leaves and vegetative debris causing a slight brown tint. High concentrations of suspended solids can cause orange tints (clay), brown tints (loam) or gray-black tints (organic materials). Certain colors (i.e., red, blue and green) are almost never naturally-occurring, and likely indicate an illicit discharge.

Color is most easily assessed in the sample bottle. The sample bottle can be compared to a bottle of deionized water as a standard. The general color of the sample is noted, along with the relative severity. A *slight* severity for color indicates that the color is faint in the sample bottle. A *moderate* severity indicates that the color is easily detected in the sample bottle. A *severe* classification indicates that the color can be observed in the actual flow or pool, outside of the sample bottle.

Vegetation

The health of the vegetation in the area surrounding the outfall can be an indicator of potential illicit discharges from the outfall. Various chemicals in an illicit discharge can inhibit or kill the vegetation in the areas surrounding the outfall. Discharges with high nutrient levels – particularly fertilizer runoff – can significantly increase the amount of vegetation around the outfall.

Because outfalls provide a water source, the vegetation around outfalls is typically more productive than areas farther from the outfall, particularly during dry periods. It is important to distinguish between increased vegetation due to available water and excessive vegetation due to nutrients in the runoff. True vegetation impacts due to chemicals or nutrients appear to be rare compared to other physical indicator parameters.

The "vegetation" indicator parameter does not apply to vegetation growing inside the outfall pipe or on the pipe apron. This condition is evaluated under the "benthic growth" parameter.

Vegetation effects were classified as either "inhibited" or "excessive." The severity was subjectively assigned based on the extent of the vegetation impact that was observed, ranging from *slight* to *severe*.

Benthic Growth

Due to the presence of nutrients, organic materials and moisture, outfall pipes and aprons can commonly host vegetation that grows on the sides and bottoms of the structures. This is particularly common in concrete pipes, which are more porous, but can occur on nearly all pipe materials. The vegetation encountered is typically algae, moss and lichens.

Some degree of benthic growth is present on nearly all storm sewer outfall pipes, and appears to increase with age. The presence of benthic growth alone is not typically a reason to classify an outfall as a potential illicit discharge. However, severe cases of benthic growth, especially when combined with other indicators, can be used to classify and trace illicit discharges.

The color of the benthic growth is noted on the inspection report. Green benthic growth is most common in outfalls with sunlight. Brown benthic growth is more common in outfalls with limited sunlight. Other colors, such as orange, can sometimes be present.

The severity of the benthic growth is determined by a subjective analysis of the thickness of the vegetation. A *slight* severity for benthic growth indicates a thin layer, usually a film or the dried stains of former growth. A *moderate* severity is used when an actual depth of vegetation can be observed, typically up to one-half inch deep. A *severe* classification is used when the vegetation changes from a short, "fuzzy" layer to longer, more defined plants with stems and leaves.

Stains

Stains inside pipes, aprons, riprap and channels can be good indicators of past illicit discharges. Clean stormwater typically would not cause stains. However, some non-illicit discharges can cause stains, including tannins from vegetation (brown), road salt (white), minerals (various colors) and suspended solids (gray or brown). Most storm sewer pipes will have some degree of staining due to natural causes, and the stains tend to increase with age. These stains are typically found at either the normal or the high flowline for the pipe.

Abnormal stains are typically indicators of past illicit discharges. Common types of stains in this category include oil and grease, paint, concrete washout, and iron discharges (rust). It is important to distinguish between actual iron discharges and normal pipe corrosion, which can occur in metal pipes, and is not an illicit discharge. Corrosion typically occurs along the invert of the pipe, where water may collect and corrode the pipe. Rust stains are typically darker streaks, often originating from a lateral or other incoming pipe.

Stains are useful indicators, since they tend to be persistent, and can often be used to trace the flow path upstream to a source, even after the original illicit discharge has ended. By screening outfalls on a regular basis and documenting the stains with photographs, it is possible to compare the severity of the stains to determine if a discharge is ongoing.

Stains are classified according to the type of stain present (i.e., oil, paint, rust, etc.), as well as their relative severity. The severity is subjectively assigned based on the extent of the staining that was observed, ranging from *slight* to *severe*. Because of the subjective nature of this rating, photographs are extremely helpful for documentation.

Gross Solids

The Center for Watershed Protection adopted the concept of Gross Solids in regards to illicit discharge detections. Gross solids are materials that are larger than fine solids (silt and clay) and coarse solids (fine sand, fine gravel, and detritus). Gross solids consist primarily of litter (human derived trash larger than 4.75 mm), organic debris (leaves, branches, seeds, twigs and grass clippings larger than 4.75 mm), and coarse sediments (inorganic breakdown products from soils, pavement or building materials greater than 0.075 mm).

The type of gross solid most frequently encountered during outfall inspections appears to be litter (garbage). These materials typically enter the storm sewer from an upstream catchbasin or inlet. Paper, plastic and foam are frequently encountered in manholes, where they can become trapped as they float on the surface. These materials can also travel down storm sewer pipes and swales, ultimately discharging at the outfall.

Vegetative debris, including leaves and grass clippings, can also enter the storm sewer through catchbasins and inlets and travel to the outfall. As with litter, an attempt is made to determine

if the vegetative debris traveled through the storm sewer or was deposited at the outfall in another manner.

Coarse sediment is encountered less frequently than litter and vegetative debris. Most of the sediment encountered during outfall inspections is fine sediment that travels through the storm sewer and is deposited at the outfall. This sediment is included in the "Deposition" category of the Physical Condition Assessment on the report, and the sediment depth is recorded. Sediment is typically only considered a Gross Solid physical indicator parameter if it appears that the sediment was illicitly dumped into the storm sewer through a catchbasin, inlet or manhole.

Gross solid severity is similar to the method used for floatables. A *slight* severity for gross solids indicates isolated occurrences of the substance in the pool or flow. A *moderate* severity indicates a broader coverage, including distinct pockets of the substance. A *severe* classification typically describes total coverage of the water surface or manhole.

Observed Conditions

The presence of any physical indicators in the pipe or channel, flow, downstream pool, and surrounding area were recorded at the time of the inspection. Certain physical indicators, such as color and turbidity, can only be evaluated if flow or downstream pools are present. (Because the inspection criteria for physical indicator parameters have evolved over the past several years, some of the parameters included in the current year's inspections may not have been evaluated in previous years, and those parameters may appear as blank or missing data on earlier reports.)

The presence of one or more physical indicator parameters does not necessarily indicate that an illicit discharge is occurring or has occurred in the past. Certain physical indicators, such as the presence of solid waste or oil sheens in the flow, strongly suggest an illicit discharge has recently occurred. Other indicators, such as staining of the pipe or channel, may indicate that an illicit discharge occurred in the past, although the exact time is not known. Still other physical indicators may have natural or non-illicit causes, and the presence of these parameters alone should not be the grounds for assuming an illicit discharge.

Physical indicators can also be valuable aids when tracing a suspected illicit discharge upstream to the source. Certain physical indicators – pipe and channel stains in particular – are persistent and can be used to trace the flow well after the actual flow has stopped.

The physical indicators observed during the outfall inspections are summarized in Figure 6.

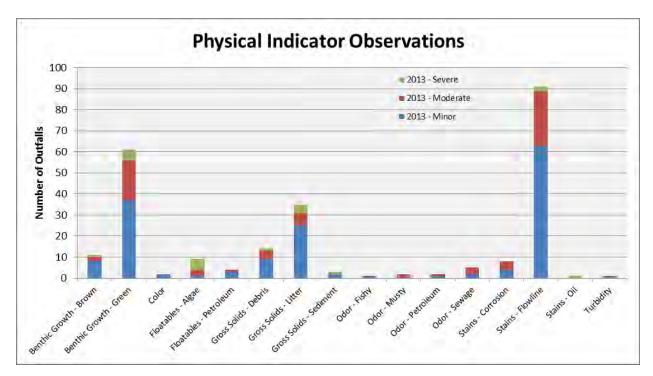


Figure 6 - Physical indicator observations

Benthic growth (green and/or brown) and flowline stains were prevalent at many of the outfalls. These conditions are fairly common, and are not typically considered strong indicators of recurring illicit discharges unless they are particularly severe.

Four outfalls were classified as potential illicit discharge because of the presence of gross solids in their upstream manholes. One outfall (13-1758) was classified as a potential illicit discharge because of the observed petroleum sheen and odor. These outfalls are discussed in more detail in the *Potential Illicit Discharges* section of this report. No other outfalls were classified as potential illicit discharge solely due to physical indicators.

CHEMICAL ANALYSIS

When dry-weather flow is present at an outfall or upstream manhole, chemical indicator parameters can provide valuable information about whether the flow is an illicit discharge, as well as providing clues about the potential sources of the flow. Section 2.3.2.2 of the general permit requires that outfalls with dry-weather flow be sampled for pH, total chlorine, total copper, total phenol and detergents for the initial screening of major outfalls, unless detergent, ammonia, potassium and fluoride were used as alternate parameters.

Under section 2.3.3, the ongoing screening of all outfalls could be modified to include other parameters. For the ongoing screening program, OMNNI tested for the following chemical indicators:

- pH
- Temperature
- Conductivity

- Chlorine (total and free)
- Copper
- Ammonia
- Detergents
- Phenols (for drainage basins with industrial areas)

Flow samples were collected at all outfalls that exhibited dry-weather flow at the time of the inspection. For partially-submerged or fully-submerged outfalls, a sample was collected from the flow or submerged pool at the first upstream sampling location, or from the outfall pool if an upstream location was not available. A total of 60 stormwater samples were collected and analyzed as part of the ongoing screening process in 2013 – 11 from flow streams and 49 from pools. Depending on the specific conditions for the outfall, not all tests were run for all samples.

The indicator parameters, testing methods, and results are explained in the sections that follow.

pН

Background

The pH of a stormwater sample can be used to detect the presence of illicit substances in the flow. Neutral water has a pH of 7.0. However, unpolluted rainwater commonly has a pH of 5.0 to 6.0, due to the conversion of carbon dioxide in the atmosphere to carbonic acid. The presence of pollutants in the atmosphere can cause the formation of additional hydrochloric and/or nitric acid in the rainwater, which will further lower pH. The pH of the runoff is typically raised as it reacts with carbonates and other alkaline materials in the rocks and soil. Contact with concrete pipes and channels also raises the pH of the runoff.

The typical pH range for stormwater runoff is from 6.0 to 9.0. Samples with a pH lower than 6.0 or higher than 9.0 would be suspect for illicit discharges. Possible sources of high or low pH include industrial discharges and concrete truck washout.

Testing Method

During the ongoing screening program, OMNNI tested the pH of the outfall samples with an *Oakton PC-10* handheld pH/conductivity/temperature meter, which displays the pH reading to 0.01 pH units. The probe was periodically calibrated at 4.01, 7.00 and 10.01 pH values. The pH reading was taken in the sample bottle as soon as possible after the sample was collected from the outfall, as the pH of the sample can change over time.

Results

The pH results for the pH samples are shown in Figure 7.

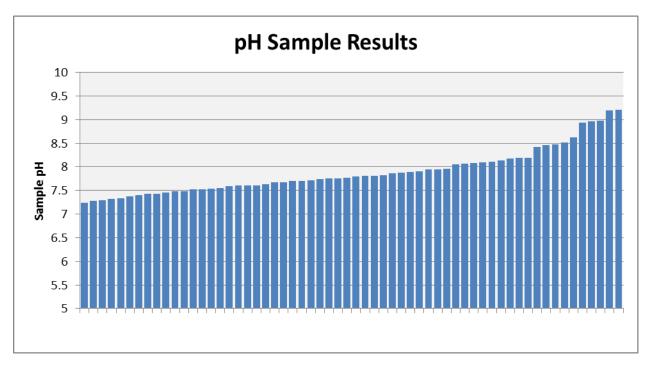


Figure 7 - pH sample results

The pH values ranged from 7.24 to 9.21. Two samples – FernauPond and 12-1795 US1 – exceeded the upper action limit of 9.0 with readings of 9.20 and 9.21, respectively. Since none of the other tested chemical indicators for these samples were out of range, the elevated pH was not considered suspicious. None of the samples were considered suspect due to pH.

Temperature

Background

While not included in the list of parameters required by the general permit, the temperature of a stormwater sample can be useful in determining if the flow is originating from an illicit source. Because most stormwater is conveyed in underground pipes, the temperature of the flow at the outfall is typically expected to be similar to the ground temperature which is often cooler than the ambient temperature in summer. However, stormwater that passes through open channels or ponds upstream of the outfall can be heated directly by the sun, and may be close to ambient temperature or even slightly warmer. Temperature is normally only a consideration when the runoff is significantly lower than the ground temperature or higher than the ambient temperature, which can indicate the presence of an industrial discharge. For example, cooling water or process water is typically significantly warmer than the ambient temperature.

Ground temperatures were typically 55 °F or warmer in summer. As a result, the "normal" temperature range was set at 55 °F to 90 °F. Any samples outside of this range could contain flow other than stormwater runoff.

Testing Method

During the ongoing screening program, OMNNI recorded the temperature of the outfall samples with an $Oakton\ PC-10$ handheld pH/conductivity/temperature meter, which displays the temperature reading to $0.1\ ^{\circ}C$. The temperature reading was taken in the sample bottle at the

same time the pH was tested, as soon as possible after the sample was collected from the outfall, as the temperature of the small volume of the sample container will rapidly change.

Results

The temperature results for the samples are shown in Figure 8.

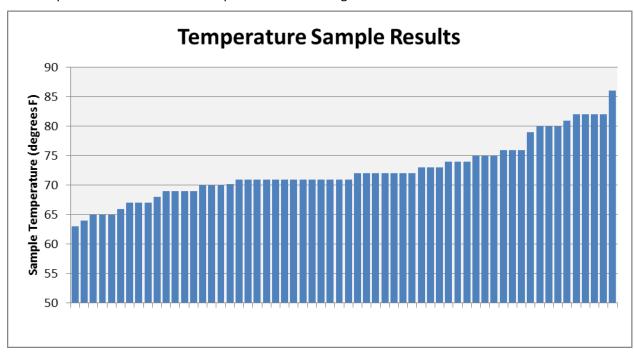


Figure 8 - Temperature sample results

The temperature values ranged from 63 to 86 °F. The samples with the highest temperatures were collected from locations that could be influenced by solar heating, so the upper values were not considered suspect. None of the samples exhibited abnormal temperatures, so none of the samples were considered suspect due to temperature.

Conductivity

Background

While not included in the list of parameters required by the general permit, the conductivity of a stormwater sample can be useful in determining if the flow is originating from an illicit source, and identifying potential sources of the discharge. Conductivity is a measure of the ability of water to pass an electrical current. The presence of inorganic dissolved solids (chloride, nitrate, sodium, calcium, iron, etc.) can increase the conductivity of a water sample. Organic compounds (oil, alcohol, sugar, etc.) are not good conductors, and therefore have relatively low conductivities.

Conductivity in surface water is influenced by the local geology. Streams that run through granite bedrock tend to have lower conductivity because granite is composed of more inert materials that do not ionize when washed into the water. However, streams that run through areas with clay soils tend to have higher conductivity because of the higher ionizing potential of clay. Sanitary sewage can raise the conductivity due to increased levels of chloride, phosphate and nitrate.

Conductivity is typically measured in siemens, with a typical unit of microsiemens per centimeter (μ S/cm). Distilled water has a conductivity in the range of 0.5 to 3 μ S/cm, while rivers typically have conductivities ranging from 50 to 1500 μ S/cm. Conductivity readings above 2000 μ S/cm can sometimes be associated with industrial discharges.¹

Conductivity values under 2000 μ S/cm would be considered to be normal. Samples with conductivities over 2000 μ S/cm would be identified as suspicious, but the discharge would not be considered a potential illicit discharge unless other indicator parameters (physical or chemical) were observed.

Testing Method

During the ongoing screening program, OMNNI recorded the conductivity of the outfall samples with an <code>Oakton PC-10</code> handheld pH/conductivity/temperature meter, which displays the conductivity reading to 0.01 μ S/cm. The conductivity reading was taken in the sample bottle as soon as possible after the sample was collected from the outfall, as the conductivity of the sample can change with temperature.

Results

The conductivity results for the samples are shown in Figure 9.

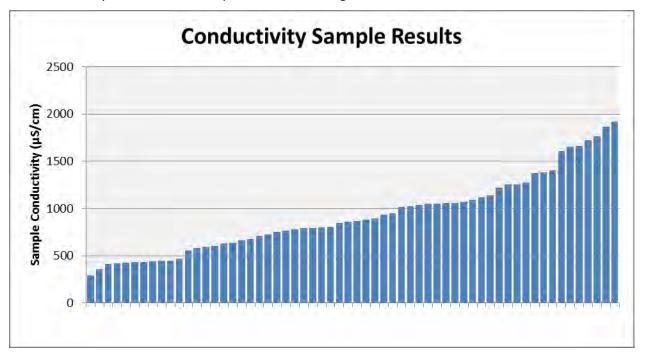


Figure 9 - Conductivity sample results

The conductivity values ranged from 289 to 1,923 μ S/cm. None of the samples tested exceeded the 2,000 μ S/cm action level for conductivity, so none of the samples were considered suspect due to conductivity.

¹ USEPA: Water-Monitoring & Assessment – Conductivity (http://water.epa.gov/type/rsl/monitoring/vms59.cfm)

Chlorine

Background

The presence of chlorine in a stormwater sample usually demonstrates the presence of substances other than stormwater runoff. Chlorine is typically an indicator of either potable water (from a chlorinated municipal water supply) or an industrial discharge. It can also be caused by leaking or draining swimming pools. However, chlorine can also be present in non-illicit discharges (as defined by the general permit and the City's illicit discharge ordinance), including residential car washing, lawn irrigation, hydrant flushing, water main breaks, and industrial discharges regulated under a WPDES permit. Therefore, the presence of chlorine in a sample indicates the presence of a non-stormwater source; however, the source should be identified to determine if it is an illicit discharge.

Dissolved chlorine is measured using three different values: free chlorine, combined chlorine, and total chlorine. Free chlorine represents the "unbound" chlorine molecules in solution, which are the most effective for disinfecting. Combined chlorine represents the chlorine molecules that are bound to other organic molecules, such as chloramines, which are also commonly used in drinking water disinfection. Total chlorine represents the sum of the free chlorine and the combined chlorine. The general permit requires sampling for total chlorine.

Action levels were established by OMNNI for most chemical indicators. A test result that exceeds the action level warrants follow-up investigation. In general the action level for total chlorine is set at 0 mg/L. Any detection of chlorine indicates the presence something other than stormwater in the sample. Depending on the source, it may or may not be an illicit discharge.

Testing Method

During the ongoing screening program, OMNNI tested the outfall samples for total chlorine and free chlorine using *Hach Free & Total Chlorine Test Strips, 0-10 mg/L*. These test strips had result steps of 0, 0.5, 1, 2, 4 and 10 mg/L. The chlorine tests were taken in the sample bottle as soon as possible after the sample was collected from the outfall, as chlorine can dissipate over time.

Results

None of the samples tested positive for free chlorine or total chlorine, so none of the samples were considered suspect due to chlorine.

Copper

Background

The presence of copper in stormwater runoff is usually due to discharge from industries that manufacture copper-based products or use copper-containing chemicals in their manufacturing process. In some cases, copper can leach from plumbing systems and enter the water. Copper concentrations as low as 0.1 mg/L can be toxic to aquatic vegetation and wildlife.

The general permit requires sampling for total copper. In general the action level for total copper is set at 0 mg/L. Any detection of copper indicates the presence something other than stormwater in the sample.

Testing Method

During the ongoing screening program, OMNNI tested the outfall samples for total copper using *Hach Copper Test Strips, 0-3 mg/L*. These test strips had result steps of 0, 0.2, 0.5, 1, and 3 ppm.

The copper tests were taken in the sample bottle as soon as possible after the sample was collected from the outfall.

Results

None of the samples tested positive for total copper, so none of the samples were considered suspect due to copper.

Ammonia

Background

While not included on the list of required parameters in the general permit, ammonia is a valuable test parameter to identify potential illicit discharges. Besides being present in industrial discharges, ammonia can also be an indicator of wastewater or washwater discharges, which are often indicators of sanitary sewer cross-connections. When tested along with potassium, it is possible to use the ratio of ammonia to potassium to distinguish between wastewater and washwater. However, since both typically originate from sanitary sewer, this determination is not usually required to identify an illicit discharge.

It should be noted that there are also several natural sources of ammonia which do not constitute an illicit discharge. Waste from pets and wildlife can cause ammonia in the runoff, particularly if wildlife frequently inhabit the storm sewer pipes and manholes. Storm sewers connected to stagnant water or wetlands frequently have elevated ammonia levels due to microbial decay of plant and animal proteins. In addition, ammonia may be present in industrial discharges with a WPDES permit.

Because of the natural sources of ammonia, the action level for ammonia detections was set at greater than 1 ppm. Samples with ammonia concentrations of 1 ppm or lower were not investigated unless additional chemical or physical indicator parameters were present.

Testing Method

During the ongoing screening program, OMNNI tested the outfall samples for ammonia using *Hach Ammonia (Nitrogen) Test Strips, 0-6.0 ppm*. These test strips had result steps of 0, 0.25, 0.5, 1, 3, and 6 ppm NH_3 -N. The ammonia tests were conducted in a separate vial of stormwater taken from the sample bottle as soon as possible after the sample was collected from the outfall, as the ammonia concentration can dissipate over time.

Results

The ammonia results for the samples are shown in Figure 10.

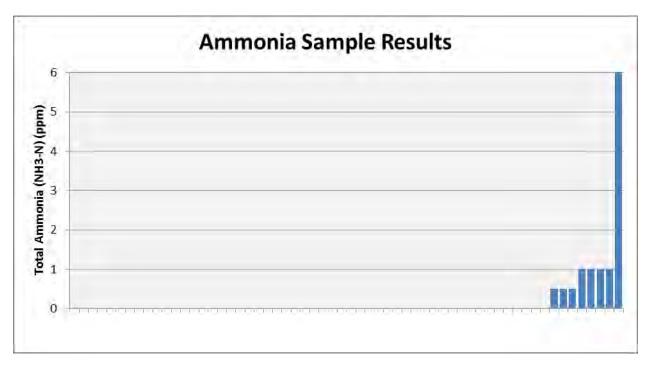


Figure 10 - Ammonia sample results

The ammonia values ranged from 0 to over 6 ppm. Several samples were at or below the 1 ppm action limit. Based on other factors, those outfalls may or may not have been classified as potential illicit discharges. The illicit discharge potential of the outfalls with ammonia detections are summarized in Table 3.

Table 3 - IDDE potential of outfalls with ammonia detections

Outfall	Ammonia (ppm)	IDDE Potential	Reason
			Also detected 1.3 mg/L detergent detection,
02-184 US1	6	Potential	strong sewer odor.
			2012 rescreen. No other indicator parameters
13-1716 US1	1	Unlikely	present.
14-635	1	Unlikely	No other indicator parameters present.
14-676	0.5	Unlikely	No other indicator parameters present.
14-996 US1	0.5	Unlikely	No other indicator parameters present.
15-1856 US1	1	Unlikely	No other indicator parameters present.
15-1891 US1	1	Unlikely	No other indicator parameters present.
			2012 rescreen. No other indicator parameters
16-1508 US1	0.5	Unlikely	present.

The outfalls that were considered potential illicit discharges are discussed in more detail in the *Potential Illicit Discharges* section of this report.

Detergents

Background

The presence of detergents in the outfall sample is usually an indication of the presence of wastewater and/or washwater. This is typically the result of a sanitary sewer cross connection

or washwater dumped in or near a stormwater inlet. However, detergent can also be present in non-illicit discharges (as defined by the general permit and the municipality's illicit discharge ordinance), including runoff from residential car washing. Therefore, the presence of detergent in a sample indicates the presence of a non-stormwater source; however, the source should be identified to determine if it is an illicit discharge.

There are four main classes of detergents:

- Anionic detergents (negatively charged) Common in dishwasher detergents, liquid and powdered laundry detergents, carwash detergents, and shampoo. Anionic detergents have excellent cleaning properties and high sudsing potential.
- Cationic detergents (positively charged) Used for germicides, fabric softeners and emulsifiers. Cationic detergents have poor cleaning properties by themselves, but can help anionic detergents be more effective.
- Nonionic detergents (ionically inert) Common in hand dishwashing liquids, household cleaners, and laundry detergents (especially in combination with anionic detergents).
 Nonionic detergents are excellent grease removers.
- Amphoteric detergents (negatively or positively charged, based on pH) Found in shampoo and cosmetic products due to their mild chemical nature. Amphoteric detergents are also found in hand dishwashing liquids due to their high sudsing potential.

Unfortunately, due to the diverse classes of detergents, there is no single test to detect the presence of all detergents. The most common test – the Methylene Blue Active Substances (MBAS) test – is only effective in identifying the presence of anionic detergents.

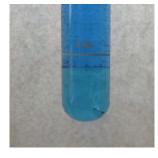
The general permit requires sampling for detergents. In general the action level for detergents is set at 0 mg/L. Any detection of detergent indicates the presence something other than stormwater in the sample. Depending on the source, it may or may not be an illicit discharge.

Testing Method

During the ongoing screening program, OMNNI tested the outfall samples for detergents using MBAS method with the equipment and reagents provided in the *Hach Stormwater Test Kit*. This is a colorimetric test method in which the intensity of the color in the reagent can be used to estimate the anionic detergent concentration. In most cases, a clear result indicates no detergent in the sample, and a blue tint indicated a positive detection of detergent.

In some samples with high turbidity, the MBAS test method results in foam or bubbles in the solution. These bubbles have no impact on the overall test result, and if the bubbles and solution are clear, the result is a negative test for detergent.







No Detergent Present

Detergent Present

Turbidity Bubbles, No Detergent Present

Figure 11 – Typical MBAS Detergent Test Results

Because of the equipment and reagents (including chloroform) used in the MBAS test, the detergent test was conducted in the office at the end of the day. OMNNI's experience with samples that have tested positive for detergent show that little dissipation occurs within 48 hours of testing, so same-day testing for detergents was an acceptable approach.

Results

The detergent results for the samples are shown in Figure 12.

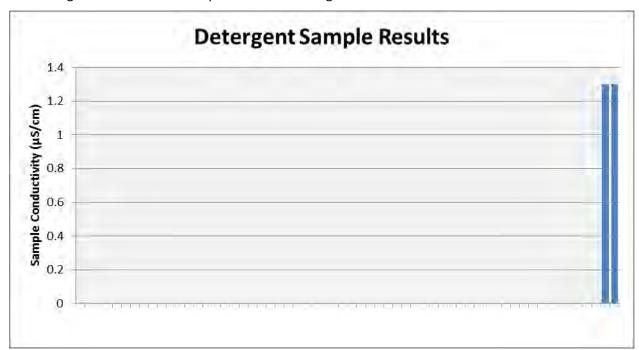


Figure 12 - Detergent sample results

The detergent values ranged from 0 to 1.3 mg/L, with two samples having estimated detergent concentrations of 1.3 mg/L. The first sample – 02-184 US1 – is located on an old branch of storm sewer on Legion Place. The sample also had an ammonia concentration exceeding 6 ppm, so it was considered a potential illicit discharge. This outfall is discussed in more detail in the *Potential Illicit Discharges* section of this report.

The sample from manhole 12-1692 US1 also had a detergent concentration of 1.3 mg/L. None of the other tested chemical indicator parameters were out of range, and a follow-up sample collected the next day did not detect any detergent. The detergent was likely a result of

residential car washing, but the outfall was still classified as a potential illicit discharge due to the initial detergent detection. This outfall is discussed in more detail in the *Potential Illicit Discharges* section of this report.

Phenols

Background

The presence of phenol in stormwater runoff is usually due to discharge from industries that use phenol-containing chemicals in their manufacturing process. These industries include chemical, textile, paint, resin, tire, plastic, electronics and pharmaceutical manufacturing. Phenol can also occur naturally in the groundwater in some areas.

The general permit requires sampling for phenol. Because of its limited sources, the Ongoing Screening Program submitted to the WDNR proposed that phenol only be tested for outfalls with industrial sources in the drainage basin. In general the action level for phenol is set at 0 mg/L. Any detection of phenol indicates the presence something other than stormwater in the sample.

Testing Method

During the ongoing screening program, OMNNI tested the outfall samples for phenol using the equipment and reagents provided in the *Hach Stormwater Test Kit*. This is a colorimetric test method in which the intensity of the color in the reagent can be used to estimate the phenol concentration. In most cases, a clear result indicates no phenol in the sample, and an orange tint indicated a positive detection of phenol.

Because of the equipment and reagents used in the phenol test, the phenol test was conducted in the office at the end of the day. No dissipation of the phenol was expected within 24-48 hours of collecting the sample.

Results

None of the samples tested positive for phenol, so none of the samples were considered suspect due to phenol.

POTENTIAL ILLICIT DISCHARGES

After examining the presence of physical indicators at each outfall and any chemical indicators present in the stormwater samples, each outfall was assigned one of the following classifications, in order of increasing likelihood of the presence of current or past illicit discharges:

- Unlikely no significant physical or chemical evidence of current or past illicit discharge
- Potential presence of physical and/or chemical indicators, but no strong visible evidence
- Obvious visible and/or strong chemical evidence of current or past illicit discharge

Of the 97 inspected outfalls, 90 were classified as unlikely and 7 were classified as potential. The outfalls that were classified as anything other than "unlikely" are summarized in the table below and discussed in more detail in the following sections. A map showing the locations of these outfalls is included in Appendix C.

Table 4 - Outfalls with elevated illicit discharge classifications

Outfall	Classification	Reason
		Persistent gross solids in upstream manhole (also present in 2009,
01-520	Potential	2010, 2011 and 2012).
		Detergent and ammonia in upstream manhole (also present in
02-184	Potential	2012). Storm sewer supposedly abandoned.
		Persistent gross solids in upstream manhole (also present in 2009,
03-22	Potential	2010, 2011 and 2012).
		Persistent gross solids in upstream manhole (also present in 2009,
03-35	Potential	2010, 2011 and 2012).
06-829	Potential	Persistent gross solids in upstream manhole (also present in 2012).
12-1692	Potential	Detergent detected in upstream manhole.
13-1758	Potential	Traces of petroleum still present from 2012 release.

The number of outfalls identified with potential illicit discharges slightly less than 2012. A chart showing the number of outfalls inspected over the past five years (starting with the initial screening in 2009) and the number of potential or obvious illicit discharges is shown in Figure 13.

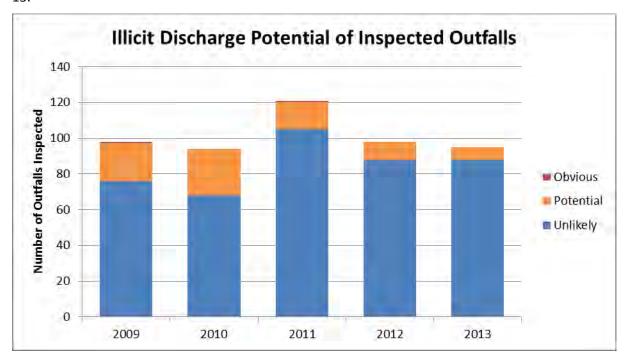


Figure 13 - Illicit discharge potential of inspected outfalls

Upstream Manholes with Significant Floatable Debris

During the 2013 ongoing screening program, four upstream manholes contained significant amounts of floatable debris (gross solids), including plastic bottles, foam packaging, and other solid waste, and were classified as potential illicit discharges. This effect was most pronounced at manholes upstream of a fully-submerged outfall, where the storm sewer pipes within the manhole were also fully-submerged. In these cases, any floatable debris traveling along the top of the storm sewer pipe will enter the manhole, and will remain suspended in the manhole pool,

as they are not able to escape through the submerged outlet pipe. In these cases, the submerged manhole acts as a trap for much of the floatable debris.

While some may not consider gross solids a true illicit discharge, it does meet the definition of an illicit discharge, since it is a substance present in the discharge that is not comprised entirely of stormwater. In most cases, there will be one or more access points which allow the debris to enter the MS4. Because of this, the presence of significant floatable debris in upstream manholes caused the illicit discharge potential of the outfall to be raised to "potential." Upstream manholes with isolated solid waste or debris (generally three or fewer pieces) are not included in this list, and were not considered potential illicit discharges.

Upstream manholes that were classified as "potential" sources of illicit discharge due to significant floatable debris during the 2012 screening program are shown in Table 5. The 2013 screening results are also shown. Of the five manholes that were classified as "potential" sources due to floatable debris in 2012, all manholes still had sufficient debris to be classified as "potential" illicit discharges. (Outfall 01-132 US1 was not screened due to traffic control for its location on the centerline of Jackson St at the base of the bridge. Based on the condition of nearby manhole 01-520 US1, it was assumed that the condition was similar to 2012.) In some cases, it appears that the manholes were not cleaned. In other cases, the manholes appeared to accumulate new debris.

Note that in some cases, sediment and/or vegetation falls into the manhole when the manhole cover is removed, and those materials also appear in the photos. The severity of the floatable debris is based on the presence of the original debris and solid waste.

Table 5 - History of manholes with significant gross solids

Manhole (City ID)	2010 Ongoing Screening (October 2010)	2011 Prescreening (May 2011)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013Ongoing Screening (July 2013)	2013 IDDE Potential
01-132 US1 (01-132)	15.29.7010 19:68	Not screened due to traffic	All the first	S8/21/2312 (E/28		Not screened due to traffic	N/A
01-520 US1 (01-520)	V8.25.2010_32.60		TO WATER AND	13 1/32 12 (E124	7512,03183		Potential
03-22 US1 (03-22)	Arisis (gr.)						Potential
03-35 US1 (N/A)							Potential
06-829 US1 (06-831)							Potential

It is recommended that the outfalls with significant floatable debris be reinspected during the 2014 ongoing screening program. These manholes should be cleaned several months prior to the next outfall screening. By doing this, it will be possible to determine if the debris is from a prior discharge, or if the problem is ongoing. If it is determined that it is an ongoing problem, upstream inlets, especially those located near dumpsters or other solid waste storage areas, should be closely examined in an attempt to locate the source of the discharge. These areas could then be targeted for public education campaigns.

A map showing the locations of the manholes with floatable debris is included in Appendix D.

Outfall 02-184 (Legion Place)

The City contacted OMNNI on December 4, 2012 with a request to investigate a report of suds in Lake Winnebago near outfall 02-184. A concerned citizen contacted the City about suds along the shoreline near Legion Place on November 9, 2012. The resident had stated that the suds were common during the summer of 2011, and that they were again present. The City investigated the report, but no suds were observed during the investigation. The caller was advised to notify the City if the suds reappeared. The resident contacted the City on November 30 to report that the suds were present again at that time.

OMNNI investigated the area around the outfall on December 6, 2012. Outfall 02-184 consists of an 8-inch clay pipe that is fully submerged and could not be located. The first upstream manhole (02-184) is located directly west of the outfall on Legion Place, and has two short segments to the north and south of the manhole. The actual drainage basin only consists of five residential parcels along the shoreline. A separate storm sewer pipe runs parallel to this branch in Legion Place, and discharges at outfall 02-357, north of outfall 02-184.

OMNNI met with the resident that reported the suds to the City. Some suds were present on the shoreline near the outfall. Samples of the suds and lake water were collected near the outfall and at two locations along the shoreline north of the outfall. Because the outfall was submerged, a sample was also collected from the pool in the upstream manhole.

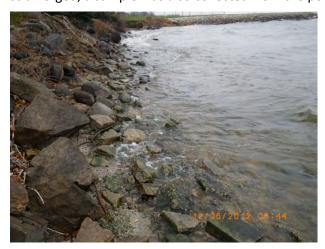


Figure 14 - Suds along shoreline north of outfall 02-184 (2012)



Figure 15 - Pool in upstream manhole 02-184 US1 (2012)

The suds observed on December 6 were consistent with the appearance of the suds that can be formed by natural surfactants in surface water. However, the sample that was collected from the pool in the upstream manhole had a detergent concentration of 0.2 mg/L, and an ammonia concentration of 3-6 ppm. These chemical indicators suggest that sanitary sewage may be present in the storm sewer, which could be causing the suds in the lake.

Based on the sample results, OMNNI recommended that the City televise the entire storm sewer branch to locate any potential sanitary cross connections. An email was sent to the Illicit Discharge Coordinator on December 6 summarizing the results and the recommended action. After the storm sewer was televised, it appeared that the storm sewer outfall had been abandoned.

The outfall and upstream manhole were re-screened on September 5, 2013. At that time, a strong sewer odor was present in the upstream manhole. In addition, the sample had an ammonia concentration in excess of 6 ppm, and a detergent concentration of 1.3 mg/L. Both of these concentrations were higher than the 2012 screening. An update was provided to the Illicit Discharge Coordinator on September 6.



Figure 16 - Pool in upstream manhole 02-184 US1 (2013)

Based on these results, it appears that there may be sanitary sewage in this branch of storm sewer. The City should verify that it is indeed abandoned, and also check for cross-connections

from the nearby residences. It is recommended that this outfall be screened again in 2014 to monitor the levels of ammonia and detergent..

Additional information and maps related to this investigation are included in Appendix D.

Outfall 12-1692 (Wood Duck Court)

Outfall 12-1692 consists of a 24" reinforced concrete pipe that drains parts of Shore Preserve Drive and Wood Duck Court in the Edgewood Village subdivision. The pipe discharges to a detention basin west of Wood Duck Court. When the outfall was screened on July 16, 2013, the outfall pipe could not be located, as it was fully submerged, and covered with a dense mat of algae in the detention basin.



Figure 17 - Approximate location of outfall 12-1692

Because the pipe was submerged and could not be located, a sample was collected from the first upstream manhole. The manhole was located in the center of the cul-de-sac on Wood Duck Court. No abnormal physical indicators were observed; however, the sample had a detergent concentration of 1.3 mg/L.



Figure 18 - Upstream manhole 12-1692 US1

Because of the detergent detection, the discharge was investigated on the next day. Each of the upstream manholes and inlets were inspected, and samples were collected from the various pools inside the structures. No detergent was present in manhole 12-1692 US1 or any of the

other upstream structures on July 17. However, a small puddle was observed at the end of the driveway for 3855 Wood Duck Court. A sample was collected from this puddle, and the detergent concentration was 1.3 mg/L. Based on this result, it appears that the detergent is entering the storm sewer from the surface, likely due to residential car washing or similar operations. Residential car washing is an allowed discharge under the MS4 general permit, and is not considered an illicit discharge.



Figure 19 - Puddle near 3855 Wood Duck Court

Because the source of the detergent was not definitively confirmed as residential car washing, the outfall should be re-screened in 2014 to verify that the detergent discharge is no longer present.

Additional information and maps related to this investigation are included in Appendix D.

Outfall 13-1758 (Washburn Street)

The City contacted OMNNI on December 11, 2012 to report that city crews had encountered oil in a storm sewer manhole while surveying the area around Washburn Street just south of STH 44, and requested that OMNNI assist with identifying the source of the oil. OMNNI conducted an investigation on December 12 to identify the source of the oil and define the downstream extent of the contamination.



Figure 20 - Oil on survey rod from storm manhole 13-1743 (12/11/2012)

With assistance from two city survey staff, the storm sewer branch for outfall 13-1758 was investigated. Outfall 13-1758 is a reinforced concrete pipe that discharges to the USH 41 southbound right-of-way, south of STH 44. The pipe was partially submerged, and an oil sheen was present in the pool at the end of the pipe. After discharging from the outfall, the flow followed a swale in the USH 41 right-of-way, and crossed under STH 44 through another concrete pipe. This pipe discharged to the USH 41 right-of-way north of STH 44. There is a small pool at the discharge of this culvert pipe, which also contained an oil sheen. The pool stopped a short distance north of the pipe, and no additional flow or sheen was observed.



Figure 21 - Pool at end of outfall 13-1748 (12/12/2012)

After tracing the upstream drainage area and searching for potential sources, a 4-inch PVC pipe was located coming from Quent's service center. When the pipe was exposed, water and petroleum discharged to the drainage swale. The appearance and odor from the discharge was consistent with the oil that was observed in the downstream manholes.

The Illicit Discharge Coordinator was called at approximately 12:00 pm and notified of the discovery. OMNNI marked the pipe location and left the site. The Illicit Discharge Coordinator visited the site during the afternoon and had the Hazardous Materials Response Team deploy oil containment booms in the area.

The pipe was identified as the sump pump discharge from Quent's Service Center. The Fire Chief investigated the inside of the building on December 12, and observed oil on the surface of the sump pit. The City reported the discharge to the WDNR spills hotline.

The WDNR sent a letter to the owner of Quent's Service Center on December 27 informing them of the reported contamination and their responsibility to restore the site. From this point forward, the WDNR will be leading the investigation.

The outfall was re-screened on July 30, 2013. Oil containment booms were still present at the outfall, and the outfall pool had a slight oil sheen and petroleum odor. It could not be determined if the petroleum traces were due to continued discharge, flushing of the upstream storm sewer, or diffusion from the containment booms. It is unknown when the booms were last replaced.



Figure 22 - Pool at end of outfall 13-1748 (2013)

The upstream manhole (13-1748 US1) was screened, and a sample was collected. The manhole had a fairly strong petroleum odor, and the sample had a moderate petroleum sheen. The pipes entering and exiting the manhole had significant black stains from the petroleum discharge.



Figure 23 - Upstream manhole 13-1748 US1 (2013)

The detention basin, located between the discharge and the outfall, had a significant oil sheen at the time of the discharge. No sheen was observed on the surface of the pond during the rescreening.



Figure 24 - Upstream detention basin (2013)

The actual sump discharge to the swale was not located during the re-screening. However, the pipe at the end of the swale, which leads to the storm sewer, was located. An oil absorbent sock was present, and appeared fairly saturated. There was no flow present at the time, but it appeared that the sock should be replaced.



Figure 25 - Downstream end of swale (2013)

Based on the continued presence of petroleum odor and sheen at the outfall and upstream storm sewer, it is recommended that this outfall continue to be screened in 2014, and until the cleanup operation is complete.

Additional information and maps related to this investigation are included in Appendix D.

OUTFALL CONDITION ASSESSMENTS

While not required for the illicit discharge field screening, OMNNI inspectors noted the presence of any structural damage, significant deposition or erosion, or graffiti at the outfalls. This information can be passed along to the appropriate personnel for any necessary action.

Damage

Eleven outfalls showed signs of damage that may require attention in the near future. Common types of damage included corroded metal pipes and aprons, displaced concrete apron sections, and damaged concrete pipes and abutments.

The outfall damage that was observed during the ongoing screening program is summarized in Table 6.

Table 6 - Outfalls with damage

Outfall	Severity	Description
12-1916	Minor	Cracked concrete apron walls
12-2092a	Minor	Concrete apron displaced 4" from pipe
13-1283	Minor	Minor corrosion of CMP
14-124	Moderate	Corrosion of CMP and end of pipe undercut
14-1515	Moderate	Corrosion of CMP
14-645	Minor	Concrete apron displaced 4" from pipe
14-659	Moderate	Concrete apron displaced 7" from pipe
14-660	Moderate	Concrete apron displaced 5" from pipe, sinkhole above joint
14-675	Minor	Minor corrosion of CMP
14-676	Moderate	Moderate corrosion on bottom of CMP
14-999	Minor	Concrete apron displaced 4" from pipe

The outfall damage is shown in the photos that follow. The locations of the damaged outfalls are shown on the map in Appendix C.



Figure 26 - Crack on apron walls of outfall 12-1916 (minor damage)



Figure 27 - Outfall 06-1083 apron displacement (minor damage)



Figure 28 - Outfall 13-1283 corrosion (minor damage)



Figure 30 - Outfall 14-1515 corrosion (moderate damage)



Figure 32 - Outfall 14-659 apron displacement (moderate damage)



Figure 29 – Corrosion and undercutting at outfall 14-124 (moderate damage)



Figure 31 - Outfall 14-645 apron displacement (minor damage)



Figure 33 - Outfall 14-660 apron displacement (moderate damage)



Figure 34 - Outfall 14-675 corrosion (minor damage)



Figure 35 - Outfall 14-676 corrosion (moderate damage)



Figure 36 - Outfall 14-999 apron displacement (minor damage)

Deposition

A total of 30 outfalls showed minor, moderate or severe deposition at the end of the outfall pipe or channel. As deposition increases, flow may become restricted in the pipe or downstream channel. Outfalls with moderate or severe deposition may need to undergo maintenance to remove the deposited sediment and debris and maintain proper flow.

The outfall deposition that was observed during the ongoing screening program is summarized in Table 7.

Table 7 - Outfalls with deposition

Outfall	Severity	Description
12-1245	Moderate	2" of sediment on apron and in pipe
12-1261	Minor	2" of sediment and riprap on apron
12-1676a	Moderate	5" of sediment at end of pipe
12-1916	Minor	1" of sediment on apron
13-1098 US1	Minor	2" of sediment at bottom of manhole
13-1283	Moderate	16" of sediment on apron and in pipe

39

Outfall	Severity	Description
13-1588	Minor	3" of sediment on apron and in pipe
13-1758	Moderate	10" of sediment on apron and in pipe
13-2611	Moderate	2" of sediment on apron
13-2860	Minor	2" of sediment in pipe
13-68	Minor	1" of sediment on apron
14-1007	Minor	5" of sediment on apron and in pipe
14-1136	Severe	10" of sediment on apron and in pipe
14-1138	Minor	2" of sediment on apron and in pipe
14-1218	Severe	12" of sediment and vegetation on apron
14-1222	Minor	2" of sediment on apron and in pipe
14-670	Moderate	4" of sediment in pipe
14-766	Moderate	10" of sediment in pipe
15-1702 US1	Minor	2" of sediment at bottom of manhole
15-1734	Minor	1" of sediment in pipe
15-1746	Minor	2" of sediment and stones on apron
15-1806	Minor	1" of sediment in pipe
15-1807	Severe	15" of sediment and vegetation at end of pipe
15-1807 US1	Moderate	3" of sediment at bottom of manhole and in pipe
15-1856	Moderate	5" of sediment in pipe
15-1856 US1	Minor	1" of sediment at bottom of manhole
15-1891	Severe	7" of sediment and vegetation at end of pipe
15-1891 US1	Minor	2" of sediment at bottom of manhole
15-1903	Severe	6" of sediment in pipe
15-2477	Moderate	9" of sediment on apron and in pipe

The outfall deposition is shown in the photos that follow. The locations of the outfalls with deposition are shown on the map in Appendix C.



Figure 37 - Moderate deposition at outfall 12-1245



Figure 38 - Minor deposition at outfall 12-1261



Figure 39 - Moderate deposition at outfall 12-1676a



Figure 41 - Minor deposition in manhole 13-1098 US1



Figure 43 - Minor deposition at outfall 13-1588



Figure 40 - Minor deposition at outfall 12-1916



Figure 42 - Moderate deposition at outfall 13-1283



Figure 44 - Moderate deposition at outfall 13-1758



Figure 45 - Moderate deposition at outfall 13-2611



Figure 47 - Minor deposition at outfall 13-68



Figure 49 - Severe deposition at outfall 14-1136



Figure 46 - Minor deposition at outfall 13-2860



Figure 48 - Minor deposition at outfall 14-1007



Figure 50 - Minor deposition at outfall 14-1138



Figure 51 - Severe deposition at outfall 14-1218



Figure 53 - Moderate deposition at outfall 14-670



Figure 55 - Minor deposition at manhole 15-1702 US1



Figure 52 - Minor deposition at outfall 14-1222



Figure 54 - Moderate deposition at outfall 14-766



Figure 56 - Minor deposition at outfall 15-1734



Figure 57 - Minor deposition at outfall 15-1746



Figure 59 - Severe deposition at outfall 15-1807



Figure 61 - Moderate deposition at outfall 15-1856



Figure 58 - Minor deposition at outfall 15-1806



Figure 60 - Moderate deposition at manhole 15-1807 US1



Figure 62 - Minor deposition at manhole 15-1856 US1



Figure 63 - Severe deposition at outfall 15-1891



Figure 65 - Severe deposition at outfall 15-1903



Figure 64 - Minor deposition at manhole 15-1891 US1



Figure 66 - Moderate deposition at outfall 15-2477

Erosion

Three of the outfalls showed signs of erosion at the end of the outfall pipe or channel. Most of the outfalls with minor erosion could be repaired with minor landscaping repairs. Those outfalls with moderate or severe erosion may need additional structural reinforcement, such as turf reinforcement mat or riprap.

The erosion that was observed during the ongoing screening program is summarized in Table 8.

Table 8 - Outfalls with erosion

Outfall	Severity	Description
14-124	Minor	Minor erosion at end of pipe causing undercutting
14-660	Moderate	Sinkhole above displaced apron joint
15-1891	Minor	Channel erosion near outfall

The outfall erosion is shown in the photos that follow. The locations of the outfalls with erosion are shown on the map in Appendix C.





Figure 68 - Moderate erosion (sinkhole above joint)near outfall 14-660

Figure 69 - Minor erosion near outfall 15-1891

Graffiti

Graffiti was observed in or around one outfall. The graffiti was relatively minor, but should probably be monitored to make sure that it does not become more severe.

The graffiti that was observed during the ongoing screening program is summarized in Table 9.

Table 9 - Outfalls with graffiti

Outfall	Severity	Description
		Graffiti on bridge abutment adjacent to outfall. Prior graffiti covered,
14-659	Minor	with some new.

The graffiti is shown in the photos that follow. The locations of the outfalls with graffiti are shown on the map in Appendix C.



Figure 70 - Graffiti near outfall 14-659

CONCLUSION

OMNNI assisted the City of Oshkosh with the 2013 ongoing screening of the MS4 outfalls, as required by the MS4 permit. A total of 95 outfalls were screened, along with upstream monitoring locations when necessary. Twelve of those outfalls were included due to potential illicit discharges identified in the 2012 screening program. Of those 95 outfalls, 88 exhibited unlikely potential of past illicit discharges and 7 were classified as "potential." These results are summarized in Figure 71:

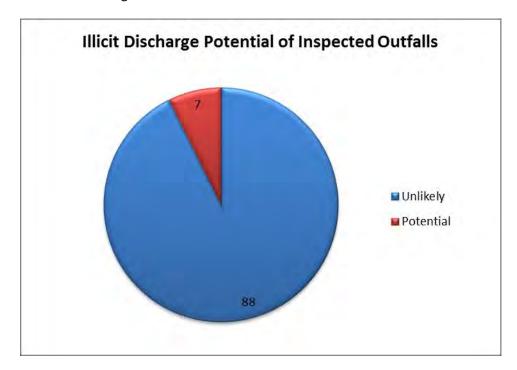


Figure 71 - Illicit discharge potential

Those outfalls classified as "potential" or "obvious" should be given special attention in the ongoing screening program.

The ongoing screening also identified 11 outfalls with structural damage, 30 with deposition, 3 with noticeable erosion, and 1 with graffiti. While none of these posed an immediate danger, the City will likely want to address these issues as part of the regular storm sewer system maintenance.

The 2013 inspection year completed the first four-year cycle that was outlined in the original 2009 Ongoing Screening Program. The City will review and update the Ongoing Screening Program to include the Priority Outfall concept recommended by the WDNR in the March 15, 2012 IDDE guidance document. After the updated plan is implemented, annual outfall screenings would resume according to the proposed schedule.

STANDARD OF CARE

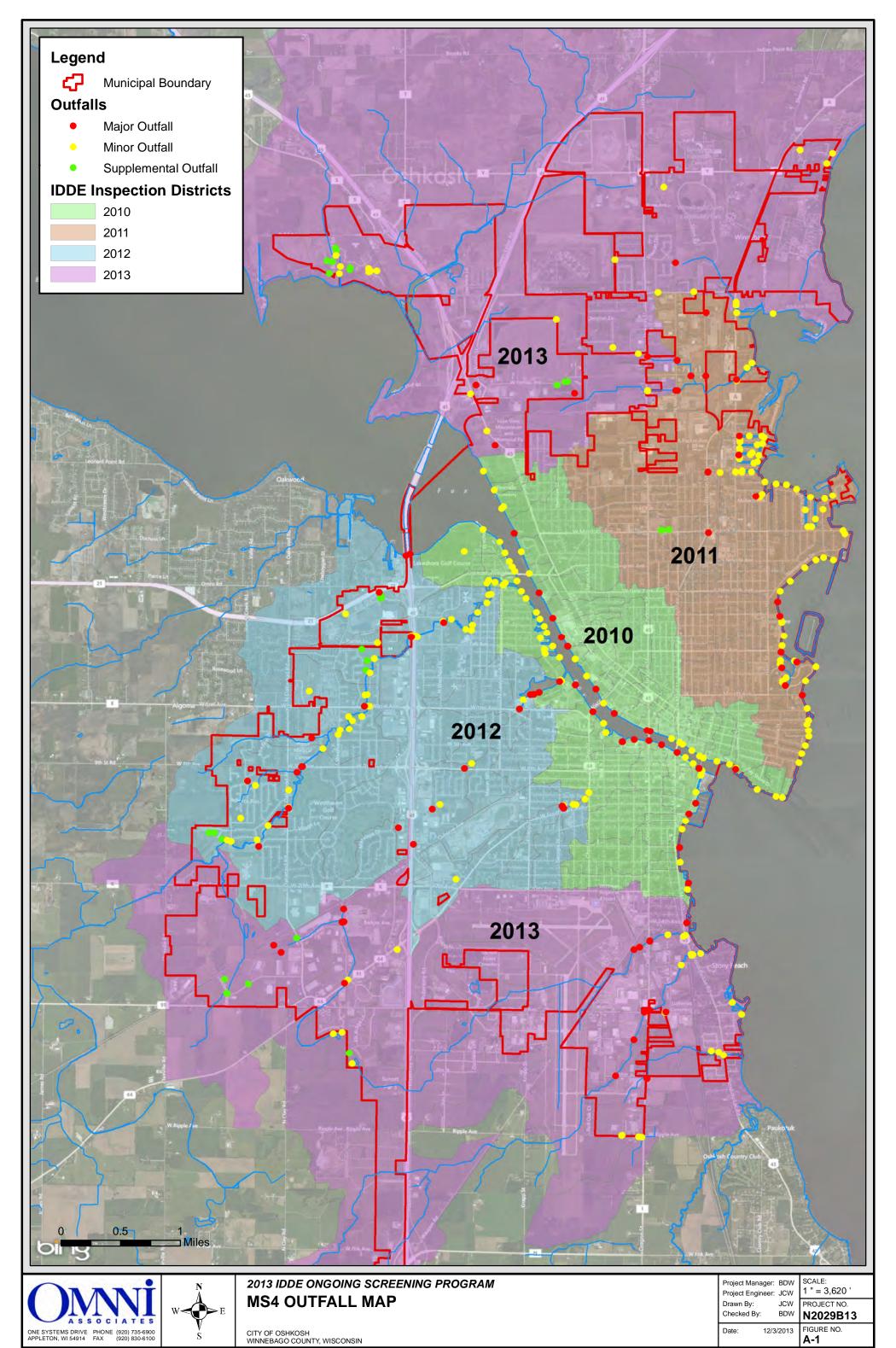
The conclusions presented in this report were arrived at using generally accepted engineering practices. The conclusions presented herein represent our professional opinions, based on data collected at the time of the inspections, at the specific inspection locations discussed in this report. Conditions at other locations in the City or at different times may be different than described in this report. The scope of this report is limited to the specific project and the inspection locations described herein.

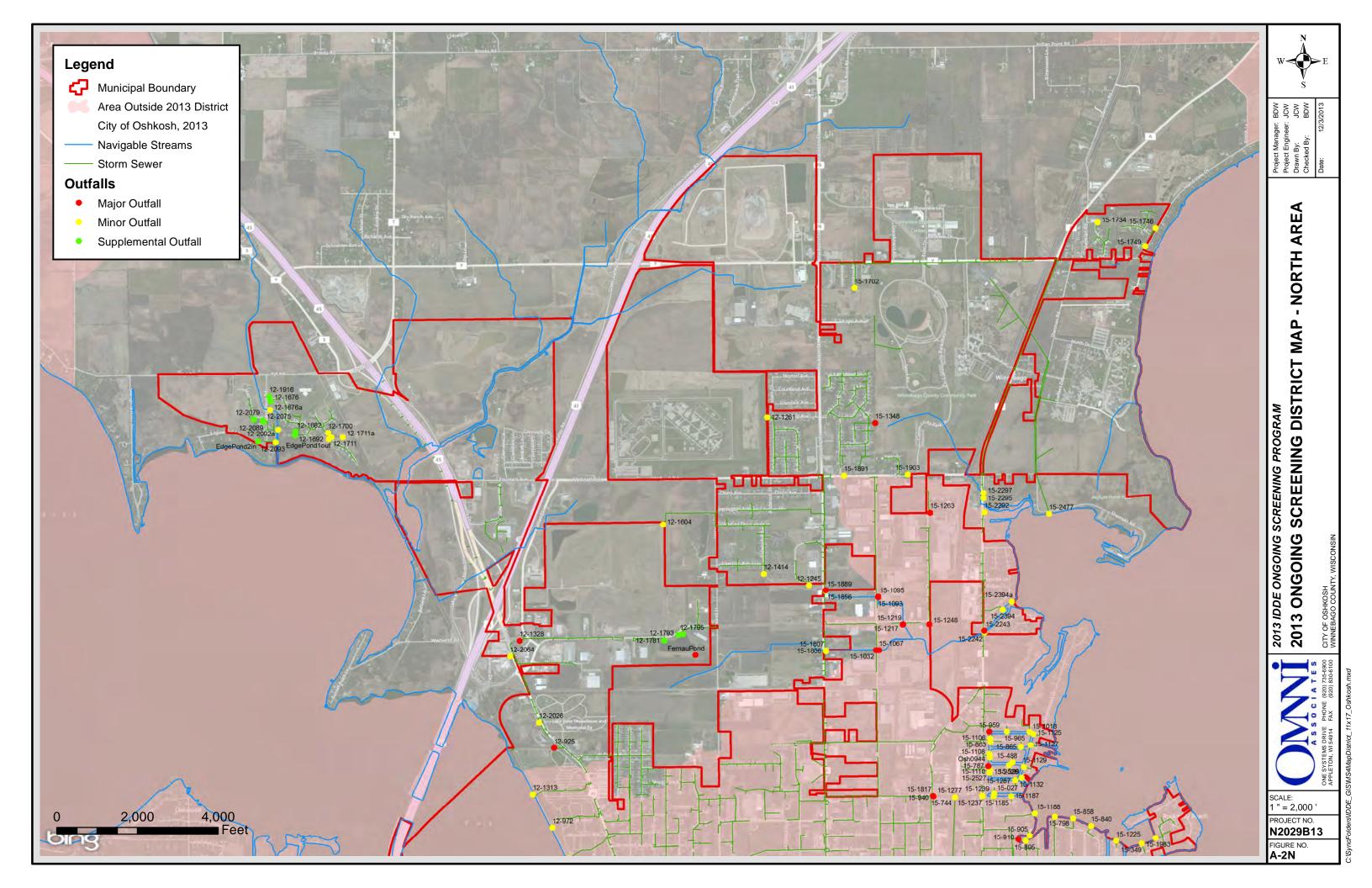
Prepared By:		
	Jason Weis, P.E.	
	Project Engineer	
Reviewed By:	Brian D. Wayner, P.E.	
	Proiect Manager	

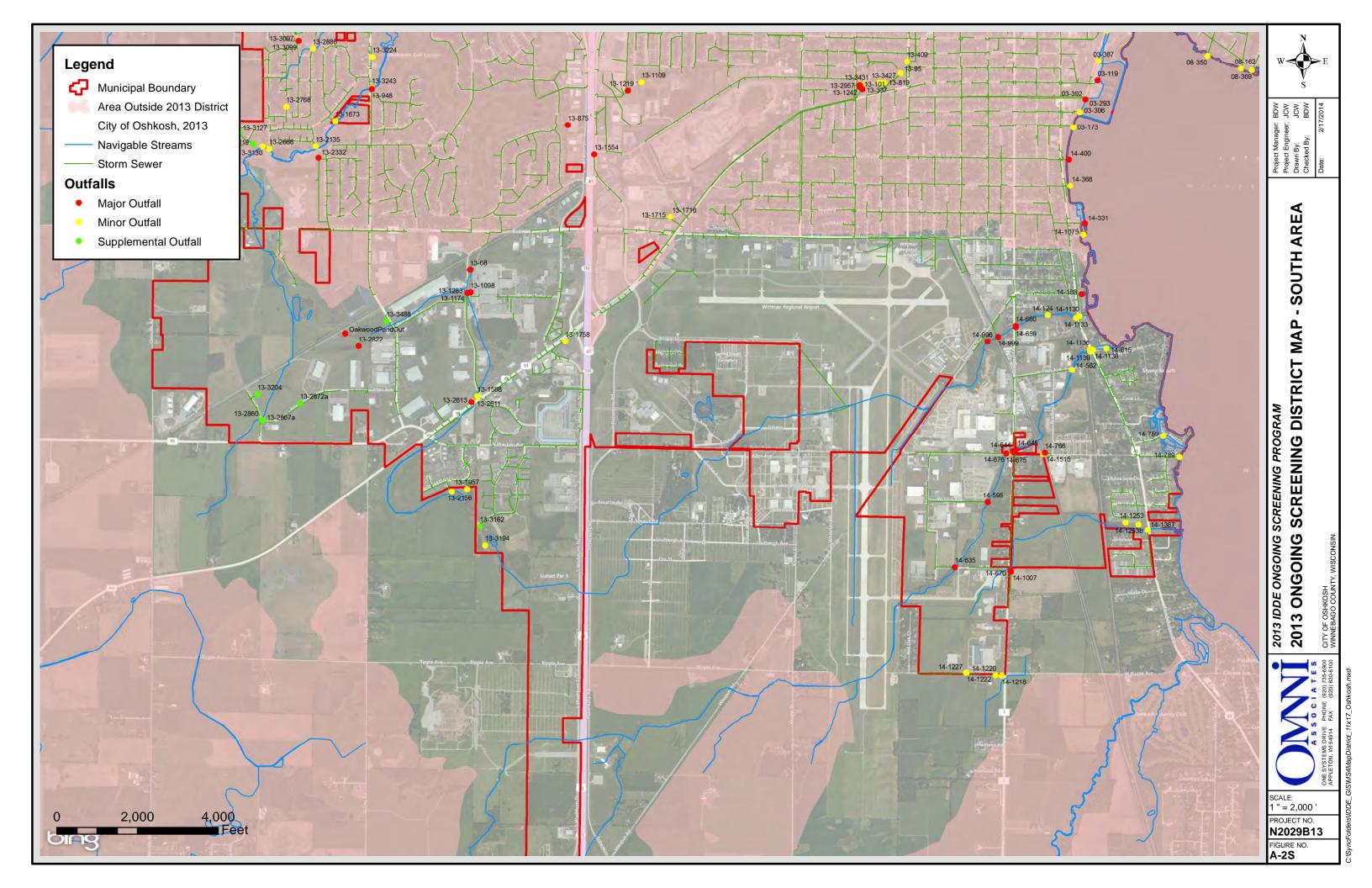
Appendix A

MS4 Outfall Maps

- A-1 MS4 Outfall Map
- A-2 2013 Ongoing Screening District Maps







Appendix B

Outfall Inspection Reports

Outfall ID: 01-520

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Division St

- Dimensions

Diameter (in):

54

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130905120326.JPG

Outfall Notes:

Storm sewer from Jackson St discharges to river from north. Outfall fully submerged - pipe info from MS4 map. (OSH-9424 in early reports.)

County Coordinates: Latitude/Longitude:

Northing: 472,395 Latitude: 44.01541 Easting: 791,740 Longitude: -88.54280

Location Map



9/5/2013 12:59:39 PM **Inspection Date:** Inspector: **JCW** Inspection Type: Ongoing Previous Rainfall (hrs): 72+ Flow Description: Submerged, indeterminate Notes: Outfall fully submerged. Outfall screened upstream at 01-520 US1. 2012 screening Submerged: Fully Depth (in): 49 follow-up. Gross solids in upstream mh. Illicit Discharge Potential: **Potential** Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Chlorine Other Sewage ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130905120336.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results Vegetation: None Inhibited Excessive Sample Location: Benthic Growth: Moderate **✓** Green Brown Sample ID: Stains: None Rust Stains Time Collected Flow Line Oil Corrosion Paint Other Total Chlorine (field): ppm Free Chlorine (field): ppm Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment Ammonia (field): ppm Graffiti: None pH (field): units Erosion: None Temperature (field): ۰F Deposition: None Depth (in): Conductivity (field): μS/cm Damage: None ☐ Displacement ☐ Undercut Crushed Detergents: mg/L Corrosion Cracks/Structural Damage Phenol: mg/L

Outfall ID: 01-520

Inspection Date: 9/27/2012 9:53:44 AM Inspector: JCW	Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
	all fully submerged; screened upstream	and the same
Submerged: Fully Depth (in): 40	-520 US1.	
Illicit Discharge Potential: Potential Field	Follow-up Office Follow-up	
Floatables: None Petrol. Sheen Suds	Sewage Algae Othe	er Signal Control
Odor: None Petroleum Must	y 🗌 Sewage 🗌 Chlorine 🗌 Othe	er
☐ VOC/Solvent ☐ Fishy	/ Sulfur Tragrant	No. 1 to the same of the same
Turbidity: None		o20120927085734.JPG
Color: None		
Gross Solids: None Litter Debris	Sediment Other	- Sampling Results -
Vegetation: None Inhibited Excess	sive	Sample Location:
Benthic Growth: None Green Brown	□ B + 6+ +	Sample ID:
Stains: None Flow Line Oil Corrosion Paint	☐ Rust Stains ☐ Other	Time Collected
		Total Chlorine (field): ppm Free Chlorine (field): ppm
	tural Suds/Foam	Total Copper (field): ppm
Physical Condition Assessment		Ammonia (field): ppm
Graffiti: None Erosion: None		pH (field): units
Deposition: None Depth (in):		Temperature (field): °F
Domogo: None —	Crushed	Conductivity (field): µS/cm
☐ Displacement ☐ Undercut ☐ Corrosion ☐ Cracks/Structural		Detergents: mg/L Phenol: mg/L
Controller Charles and	Bamago	i nenen ing/E
Inspection Date: 6/21/2012 10:35:10 AM Inspector: JCW	Inspection Type: Other	Previous Rainfall (hrs): 0-24
	Inspection Type: Other s solids pre-screening. Outfall fully	Previous Rainfall (hrs): 0-24
Flow Description: Submerged (not located) Notes: Gross	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520	Previous Rainfall (hrs): 0-24
Flow Description: Submerged (not located) Submerged: Fully Depth (in): Notes: Gross subm	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520	Previous Rainfall (hrs): 0-24
Flow Description: Submerged (not located) Submerged: Fully Depth (in): Notes: Gross subm	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up Office Follow-up	Outfall Not
Flow Description: Submerged (not located) Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Notes: Gross submr US1.	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up Office Follow-up Sewage Algae Othe	Outfall Not
Flow Description: Submerged (not located) Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Odor: None Petroleum Musty VOC/Solvent Fishy	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up Sewage Algae Other Other Others	Outfall Not
Flow Description: Submerged (not located) Submerged: Fully Depth (in): US1. Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Odor: None Petroleum Mustry Turbidity: None	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up Office Follow-up Sewage Algae Other y Sewage Chlorine Other	Sutfall Not Located
Flow Description: Submerged (not located) Submerged: Fully Depth (in): US1. Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Odor: None Petroleum Musty Turbidity: None Color: None	s solids pre-screening. Outfall fully herged; screened upsteam at 01-520 Follow-up	Outfall Not er 20/21/04/2 10:28 020120621092646.JPG
Flow Description: Submerged (not located) Submerged: Fully Depth (in): US1. Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Odor: None Petroleum Musty VOC/Solvent Fishy Turbidity: None Color: None Litter Debris	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up	Control Located o20120621092646.JPG — Sampling Results
Flow Description: Submerged (not located) Submerged: Fully Depth (in): US1. Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Odor: None Petroleum Musty VOC/Solvent Fishy Turbidity: None Color: None Litter Debris Vegetation: None Inhibited Excess	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up	ozo120621092646.JPG Sample Location:
Flow Description: Submerged (not located) Submerged: Fully Depth (in): US1. Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Odor: None Petroleum Musty VOC/Solvent Fishy Turbidity: None Color: None Gross Solids: None Litter Debris Vegetation: None Inhibited Excess Benthic Growth: None Green Brown	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up	Outfall Not Ear Dear Dear
Flow Description: Submerged (not located) Submerged: Fully Depth (in): US1. Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Odor: None Petroleum Musty VOC/Solvent Fishy Turbidity: None Color: None Gross Solids: None Litter Debris Vegetation: None Inhibited Excess Benthic Growth: None Flow Line Oil	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up	ozo120621092646.JPG Sampling Results Sample Location: Sample ID: Time Collected
Flow Description: Submerged (not located) Submerged: Fully Depth (in): US1. Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Odor: None Petroleum Musty VOC/Solvent Fishy Turbidity: None Color: None Gross Solids: None Litter Debris Vegetation: None Inhibited Excess Benthic Growth: None Green Brown Stains: None Flow Line Oil Corrosion Paint	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up	o20120621092646.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm
Flow Description: Submerged (not located) Submerged: Fully Depth (in): US1. Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Odor: None Petroleum Musty VOC/Solvent Fishy Turbidity: None Color: None Gross Solids: None Litter Debris Vegetation: None Inhibited Excess Benthic Growth: None Green Brown Stains: None Natural Sheen Na	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up	ozo120621092646.JPG Sampling Results Sample Location: Sample ID: Time Collected
Flow Description: Submerged (not located) Submerged: Fully Depth (in): US1. Illicit Discharge Potential: Potential Field Floatables: None Petrol. Sheen Suds Odor: None Petroleum Musty VOC/Solvent Fishy Turbidity: None Color: None Gross Solids: None Litter Debris Vegetation: None Inhibited Excess Benthic Growth: None Green Brown Stains: None Flow Line Oil Corrosion Paint Non-illicit: None Natural Sheen Na Physical Condition Assessment	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up	o20120621092646.JPG - Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm
Flow Description: Submerged (not located) Submerged: Fully Depth (in): US1. Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Odor: None Petroleum Musty VOC/Solvent Fishy Turbidity: None Color: None Gross Solids: None Litter Debris Vegetation: None Inhibited Excess Benthic Growth: None Green Brown Stains: None Flow Line Oil Corrosion Paint Non-illicit: None Natural Sheen Na Physical Condition Assessment Graffiti: None	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up	o20120621092646.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units
Flow Description: Submerged (not located) Submerged: Fully Depth (in): US1. Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Odor: None Petroleum Mustry Turbidity: None Color: None Gross Solids: None Litter Debris Vegetation: None Inhibited Excess Benthic Growth: None Green Brown Stains: None Flow Line Oil Corrosion Paint Non-illicit: None Natural Sheen Na Physical Condition Assessment Graffit: None Erosion: None	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up	o20120621092646.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): vnits Temperature (field): °F
Flow Description: Submerged (not located) Submerged: Fully Depth (in): US1. Illicit Discharge Potential: Potential Field Floatables: None Petrol. Sheen Suds Odor: None Petroleum Musty VOC/Solvent Fishy Turbidity: None Color: None Gross Solids: None Litter Debris Vegetation: None Green Brown Stains: None Flow Line Oil Corrosion Paint Non-illicit: None Natural Sheen Na Physical Condition Assessment Graffiti: None Deposition: None Depth (in):	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up	o20120621092646.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): ppm Temperature (field): ppm Conductivity (field): °F Conductivity (field): µS/cm
Flow Description: Submerged (not located) Submerged: Fully Depth (in): US1. Illicit Discharge Potential: Potential Field Floatables: None Petrol. Sheen Suds Odor: None Petroleum Mustry VOC/Solvent Fishy Turbidity: None Color: None Gross Solids: None Litter Debris Vegetation: None Inhibited Excess Benthic Growth: None Green Brown Stains: None Flow Line Oil Corrosion Paint Non-illicit: None Natural Sheen Na Physical Condition Assessment Graffiti: None Erosion: None	s solids pre-screening. Outfall fully nerged; screened upsteam at 01-520 Follow-up	o20120621092646.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): vnits Temperature (field): °F

Outfall ID: 01-520

Inspection Date: 10/11/2011 2:19:37	PM Inspector: JC	CW Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indete		010 screening follow-up. Outfall fully	
Submerged: Fully Depth (in):		ubmerged. Outfall screened upstream at 1-520 US1.	
Illicit Discharge Potential: Potential	Fi	eld Follow-up	
Floatables: None	Petrol. Sheen St	uds 🗌 Sewage 🗌 Algae 🔲 Oth	er San
Odor: None	Petroleum M	usty Sewage Chlorine Oth	er 💮
Turbidity: None	☐ VOC/Solvent ☐ Fi	shy Sulfur Fragrant	Maria Salaman Salaman
Color: None			o201110111142004.JPG
Gross Solids: None	Litter Deb	oris Sediment Other	Sampling Results
Vegetation: None	☐ Inhibited ☐ Exc	essive	Sample Location:
Benthic Growth: None	Green Bro	wn	Sample ID:
Stains: None	☐ Flow Line ☐ Oil	Rust Stains	Time Collected
	Corrosion Pair	nt Other	Total Chlorine (field): ppm
Non-illicit: None	Natural Sheen	Natural Suds/Foam	Free Chlorine (field): ppm
Physical Condition Assessment			Total Copper (field): ppm
Graffiti: None			Ammonia (field): ppm
Erosion: None			pH (field): units Temperature (field): °F
Deposition: None Depth (in):	0		Conductivity (field): μS/cm
Damage: None Displacer	ment Undercut	Crushed	Detergents: mg/L
☐ Corrosior	n Cracks/Struct	ural Damage	Phenol: mg/L
Inspection Date: 8/25/2010 12:43:21	PM Inspector: J0	CW Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Inspection Date: 8/25/2010 12:43:21 Flow Description: Submerged (not lo	cated) Notes: O	utfall fully submerged and not physically	Previous Rainfall (hrs): 72+
•	Notes: O	1 71 0 0	Previous Rainfall (hrs): 72+
Flow Description: Submerged (not lo	Notes: O	utfall fully submerged and not physically cated. Outfall screened upstream at 01-	Previous Rainfall (hrs): 72+
Flow Description: Submerged (not lo Submerged: Fully Depth (in):	Notes: O	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1.	Outlall
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	Notes: O lo 52	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1.	Outtall Not
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None	Notes: O lo 52 Fig. Petrol. Sheen Su Merce Merc	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up	Outtall Not
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None	Notes: O lo 52 Fig. Petrol. Sheen Su Merce Merc	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up	er Located 13.28,2010 12437
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None	Petroleum Mi	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up Office Follow-up Usty Sewage Chlorine Oth Shy Sulfur Fragrant	Outlall Not er er 20100825123724.JPG
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None	Petroleum Millo VOC/Solvent Deb	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up	er Cocated o20100825123724.JPG Sampling Results
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None	Petrol. Sheen St. Petroleum Mr. VOC/Solvent Fis	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up	er ozo100825123724.JPG Sampling Results Sample Location:
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None	Notes: O loo 52 Fid Fid Notes: O loo 52 Fid Notes: O loo 52 Notes: O N	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up	er control of the con
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None	Petrol. Sheen Sure Notes: Or Signature Street Sheen Sure Notes: Or Signature Street Sheen Sure Notes: Or Signature Sheen Sure Sheen Sheep	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up	er er collected OCATED 020100825123724.JPG Sampling Results Sample Location: Sample ID: Time Collected
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None	Notes: Or Ion 52	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up	ozo100825123724.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None	Notes: Or Ion 52	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up	ozo100825123724.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None	Notes: Or Ion 52	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up	ozo100825123724.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None	Notes: Or Ion 52	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up	ozo100825123724.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None	Notes: O lo Sz Sz Sz Sz Sz Sz Sz S	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up	o20100825123724.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in):	Notes: O lo Sz Sz Sz Sz Sz Sz Sz S	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up	o20100825123724.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units
Flow Description: Submerged (not lo Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None	Notes: O loo 52	utfall fully submerged and not physically cated. Outfall screened upstream at 01-20 US1. eld Follow-up	er e

Outfall ID: 01-520

Inspection	Date: 9/9/2	009	Inspector: JO	CW Inspe	ction Type: I	Initial	Previous Rainfall (hrs):	72+	
Flow Descri Submerged	-	nerged (not located) Depth (in): 56	lo	utfall fully subn cated. Outfall 20 US1.			Sout	fali	
Illicit Disch	arge Potentia	I: Potential	Fi	eld Follow-up	Offic	ce Follow-up	- All Marie		
Floatables:	None	☐ Petro	ol. Sheen 🗌 Su	uds 🗌 Sew	age 🗌 Alga	ae 🗌 Other	AND THE PARTY OF T	1	
Odor:	None			usty Sew	• =	orine Other	LOCa	ite	
Turbidity:	None	\ VOC	/Solvent Fi	shy Sulf	ur ∐ Fraç	grant			2,2009 11191
Color:	None						Osh09_DSCN	6715.JI	PG
Gross Solid	s: None	Litter	Deb	oris Sed	iment 🗌 Ot	ther	Sampling Results		
Vegetation:	None	Inhib	ited 🗌 Exc	essive			Sample Location:		
Benthic Gro	wth: None	☐ Gree	n Bro	wn			Sample ID:		
Stains:	None	☐ Flow	Line	Rus	t Stains		Time Collected		
		☐ Corre	osion 🗌 Pair	nt Othe	er		Total Chlorine (field):		ppm
Non-illicit:	None	☐ Natu	ral Sheen 🗌	Natural Suds/F	oam		Free Chlorine (field):		ppm
⊢ Physical	Condition Asse	essment -			٦		Total Copper (field):		ppm
Graffiti:	None						Ammonia (field):		ppm
Erosion:	None						pH (field):		units
Depositio		Depth (in): 0					Temperature (field):		°F
Deposition Damage:		/ _					Conductivity (field):		μS/cm
Damage.	INOTIC	Displacement	Undercut	Crushed			Detergents:		mg/L
		Corrosion	Cracks/Struct	ural Damage			Phenol:		mg/L

Checked by: BDW 11/29/2013 Page 4 of 4 rptOutfallDetails

Outfall ID: 01-520 US1

Major Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

01-520

Drainage Basin:

Division St

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130905120908.JPG

Outfall Notes:

Upstream manhole located approx 25 ft N of outfall 01-520. Intermediate area consists of rip-rap shoreline. (OSH-9424 US1 in early reports.)

County Coordinates: Latitude/Longitude:

Northing: 472,419 Latitude: 44.01547 Easting: 791,742 Longitude: -88.54279

Location Map



Inspection D	ate: 9/5/20	013 1:02:45 PM	nspector: J	CW Inspec	ction Type:	Ongoing	Previous Rainfall (h	rs): 72+	
Flow Description Submerged:		nerged, indeterminate Depth (in): 69		012 screening foolids in manhole					
Illicit Discha	rge Potentia	I: Potential	F	ield Follow-up	Off	fice Follow-up			
Floatables:	None	☐ Petrol	. Sheen 🗌 S	suds Sew	age 🗌 Alg	gae 🗌 Othe	er 💮 💮	200	
Odor:	None	☐ Petrol	eum 🗌 N	lusty 🗌 Sew	age 🗌 Ch	lorine Othe	er 💮 📉	4.7	All
	None	U VOC/S	Solvent 🗌 F	ishy 🗌 Sulfu	ır 🗌 Fra	agrant	02013090	5120924.JI	PG
	None				. 🗆 -		0 " 0 "		
Gross Solids:	: Severe	✓ Litter	∐ De	bris Sedi	ment \square C	Other	- Sampling Results		
Vegetation:	None	Inhibit	ed 🗌 Exc	cessive			Sample Location:	Pool	
Benthic Grow	th: None	Green	Bro	own			Sample ID:	130905-7	4
Stains:	None	☐ Flow I	ine 🗌 Oil	☐ Rust	Stains		Time Collected	13:01	
		Corros	sion 🗌 Pai	int Othe	r		Total Chlorine (field)	: 0	ppm
Non-illicit:	None	☐ Natura	al Sheen	Natural Suds/F	oam		Free Chlorine (field):	0	ppm
_ Physical C	Condition Asse	occmont —		•	_		Total Copper (field):	0	ppm
		555III C III					Ammonia (field):	0	ppm
Graffiti:	None						pH (field):	8.51	units
Erosion:	None	5 4 4 5					Temperature (field):	76	°F
Deposition		Depth (in):					Conductivity (field):	424	μS/cm
Damage:	None	Displacement	Undercut	Crushed			Detergents:	0	mg/L
		☐ Corrosion ☐	Cracks/Struct	tural Damage			Phenol:		mg/L

Outfall ID: 01-520 US1

Inspection Date: 9	9/27/2012 9:57:25 AM	Inspector:	JCW I	Inspection Type: Ongoir	ng	Previous Rainfall (hrs)): /2+
Flow Description: \$	Submerged, indetermin	nate Notes:	2011 gross	solids follow-up.			
Submerged: Fully	Depth (in): 69						
Illicit Discharge Pote	ential: Potential		Field Follow	v-up	low-up		MATE
Floatables: None	P	etrol. Sheen 🗌	Suds	Sewage Algae	Other		
Odor: None		Petroleum []	Musty	Sewage Chlorine Sulfur Fragrant	Other		
Turbidity: None						1000	09711120172 33318
Color: None						02012092708	35918.JPG
Gross Solids: Seve	ere 🗸 L	itter 🔲 [Debris 🗌	Sediment Other	Г	Sampling Results——	
Vegetation: None	e 🔲 🗀 lı	nhibited 🗌 E	Excessive			Sample Location: Po	ool
Benthic Growth: None	e	Green 🗌 E	Brown			Sample ID: 12	0927-91
Stains: Sligh	nt 🗸 F	low Line 🔲 0	Dil 🗌	Rust Stains		Time Collected 09	:50
		Corrosion 🗌 F	Paint	Other		Total Chlorine (field):	0 <i>ppm</i>
Non-illicit: None	e	latural Sheen	Natural S	Suds/Foam		Free Chlorine (field):	0 <i>ppm</i>
Physical Condition	Assessment					Total Copper (field):	0 <i>ppm</i>
Graffiti: None	е					Ammonia (field): pH (field):	0.5 ppm 7.77 units
Erosion: None	е					Temperature (field):	60 °F
Deposition: None	e Depth (in):					Conductivity (field):	542 μS/cm
Damage: None	e Displacement	Undercut	Crus	hed		Detergents:	0 <i>mg/L</i>
	Corrosion	Cracks/Str	uctural Dama	age		Phenol:	mg/L
Inspection Date: 6	6/21/2012 10:34:01 AM	Inspector:	JCW I	Inspection Type: Other		Previous Rainfall (hrs)	: 0-24
•	6/21/2012 10:34:01 AM Submerged, indetermin			Inspection Type: Other s pre-screening.		Previous Rainfall (hrs)	1: 0-24
Flow Description: Submerged: Fully	Submerged, indeterming Depth (in): 70	nate Notes:	Gross solid	s pre-screening.		Previous Rainfall (hrs	: 0-24
Flow Description:	Submerged, indeterming Depth (in): 70	nate Notes:		s pre-screening.	low-up	Previous Rainfall (hrs	0-24
Flow Description: Submerged: Fully	Submerged, indeterming Depth (in): 70 ential: Potential	nate Notes:	Gross solid	s pre-screening.	low-up	Previous Rainfall (hrs	0-24
Flow Description: Submerged: Fully Illicit Discharge Pote	Submerged, indeterming Depth (in): 70 ential: Potential F	Notes:	Gross solid	s pre-screening.		Previous Rainfall (hrs	0-24
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None	Submerged, indeterming Depth (in): 70 ential: Potential Depth (in): 70 ential Depth (in): 70	Notes:	Gross solid Field Follow Suds	s pre-screening. v-up	Other	Previous Rainfall (hrs	0-24
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None Turbidity: None	Submerged, indeterming Depth (in): 70 ential: Potential Depth (in): 70 ential Depth (in): 70	Notes:	Gross solid Field Follow Suds Musty	s pre-screening. v-up	Other		08/21/2012 10:24
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None Turbidity: None Color: None	Submerged, indetermine Depth (in): 70 ential: Potential F F V	Petrol. Sheen Petroleum OC/Solvent	Gross solid Field Follow Suds Musty Fishy	s pre-screening. v-up	Other Other	02012062108	08/21/2012 10:24
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Seve	Depth (in): 70 ential: Potential F V ere	Petrol. Sheen Detroleum Decroleum De	Gross solid Field Follow Suds Musty Fishy Debris	s pre-screening. v-up	Other Other	o201206210s Sampling Results	08/21/2012 10:24
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None Turbidity: None Color: None	Depth (in): 70 ential: Potential F V ere	Petrol. Sheen Detroleum Decroleum De	Gross solid Field Follow Suds Musty Fishy	s pre-screening. v-up	Other Other	02012062108	08/21/2012 10:24
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Seve	Depth (in): 70 ential: Potential F V erre I I I I I I I I I I I I I	Petrol. Sheen Detroleum De	Gross solid Field Follow Suds Musty Fishy Debris	s pre-screening. v-up	Other Other	o201206210s Sampling Results	08/21/2012 10:24
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Seve Vegetation: None Benthic Growth: None	Depth (in): 70 ential: Potential Fere e erate Depth (in): 70 F D	Petrol. Sheen Detroleum De	Gross solid Field Follow Suds Musty Fishy Debris	s pre-screening. v-up	Other Other	o2012062109 Sampling Results Sample Location:	0E/21/2012 10:24 92424.JPG
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Seve Vegetation: None Benthic Growth: None	Depth (in): 70 ential: Potential Potential Potential Potential Potential Potential Potential	Petrol. Sheen Detroleum De	Gross solid Field Follow Suds Musty Fishy Debris Excessive Brown Dil	s pre-screening. y-up	Other Other	o2012062103 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field):	02/21/2012 10:24 02/42/4.JPG
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Seve Vegetation: None Benthic Growth: None Stains: Mode	Depth (in): 70 ential: Potential F Pere E E E E E E E E E E E E E	Petrol. Sheen Petroleum POC/Solvent itter Careen Elow Line Corrosion Potroles:	Gross solid Field Follow Suds Musty Fishy Debris Excessive Brown Dil	s pre-screening. v-up	Other Other	ozo1zo6z10s Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field):	ppm ppm ppm
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Seve Vegetation: None Benthic Growth: None Stains: Mode Non-illicit: None	Depth (in): 70 ential: Potential Potential Potential Potential Potential Potential Potential Potential Potential	Petrol. Sheen Petroleum POC/Solvent itter Careen Elow Line Corrosion Potroles:	Gross solid Field Follow Suds Musty Fishy Debris Excessive Brown Dil	s pre-screening. v-up	Other Other	o2012062108 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field):	ppm ppm ppm ppm ppm
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Seve Vegetation: None Benthic Growth: None Stains: Mode	Depth (in): 70 ential: Potential Pere	Petrol. Sheen Petroleum POC/Solvent itter Careen Elow Line Corrosion Potroles:	Gross solid Field Follow Suds Musty Fishy Debris Excessive Brown Dil	s pre-screening. v-up	Other Other	o2012062109 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field):	ppm ppm ppm ppm ppm units
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Seve Vegetation: None Benthic Growth: None Stains: Mode Non-illicit: None Graffiti: None	Depth (in): 70 ential: Potential	Petrol. Sheen Petroleum POC/Solvent itter Careen Elow Line Corrosion Potroles:	Gross solid Field Follow Suds Musty Fishy Debris Excessive Brown Dil	s pre-screening. v-up	Other Other	o2012062108 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm ppm ppm ppm ppm ppm ppm ppm
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Seve Vegetation: None Benthic Growth: None Stains: Mode Non-illicit: None Physical Condition Graffiti: None Erosion: None	Depth (in): 70 ential: Potential Potential: Potential F Depth (in): 70 ential: 70 entia	Petrol. Sheen Petroleum Pocy Cocy Solvent Properties Petroleum Procy Solvent Procy Petroleum P	Gross solid Field Follow Suds Musty Fishy Debris Excessive Brown Dil	s pre-screening. y-up	Other Other	ozo1zo6z10s Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field):	ppm
Flow Description: Submerged: Fully Illicit Discharge Pote Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Seve Vegetation: None Benthic Growth: None Stains: Mode Non-illicit: None Physical Condition Graffiti: None Erosion: None Deposition: None	Depth (in): 70 ential: Potential Potential: Potential F F F V Erre E E F F F F F F F F F F F	Petrol. Sheen Petroleum Pocy (OC/Solvent Phibited Petroleum Pocy (OC/Solvent Phibited Petroleum Pocy (OC/Solvent Phibited Petroleum Pocy (OC/Solvent Phibited Petroleum Petroleu	Gross solid Field Follow Suds Musty Fishy Debris Excessive Brown Dil Daint Natural S	s pre-screening. y-up	Other Other	o2012062108 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm ppm ppm ppm ppm ppm ppm ppm

Outfall ID: 01-520 US1

Inspection Date: 10/11/2011 2:24:37 PM

Flow Description: Submerged, indeterminate Notes: 2010 screening follow-up. Floatable debris still present.	
Submerged: Fully Depth (in): 64	
Illicit Discharge Potential: Potential	
Floatables: None	er
Odor: None Petroleum Musty Sewage Chlorine Other	er
Turbidity: None	10/ 1/2011 14:21
Color: None	o20111011142110.JPG
Gross Solids: Severe	Sampling Results
Vegetation: None Inhibited Excessive	Sample Location: Pool
Benthic Growth: None Green Brown	Sample ID: 111011-92
Stains: None	Time Collected 14:20
Corrosion Paint Other	Total Chlorine (field): 0 ppm
Non-illicit: None Natural Sheen Natural Suds/Foam	Free Chlorine (field): 0 ppm
Physical Condition Assessment	Total Copper (field): 0 ppm Ammonia (field): 0 ppm
Graffiti: None	pH (field): 8.49 <i>units</i>
Erosion: None	Temperature (field): 71 °F
Deposition: None Depth (in): 0	Conductivity (field): μS/cm
Damage: None	Detergents: mg/L
Corrosion Cracks/Structural Damage	Phenol: mg/L
Inspection Date: 5/26/2011 11:13:00 AM Inspector: JCW Inspection Type: Other	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Notes: Limited screening conducted to check for floatable debris	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Notes: Limited screening conducted to check for floatable debris.	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Notes: Limited screening conducted to check for floatable debris. Field Follow-up Office Follow-up	
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	er
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	er
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	er
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Petrol. Sheen Suds Sewage Algae Other Odor: Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant	er
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Sewage Algae Other Odor: Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: Color:	er er 18/28/2011 11:14
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Petrol. Sheen Suds Sewage Algae Other Odor: Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: Color:	er er 0201105261111400.JPG
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	o20110526111400.JPG Sampling Results
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	er o201105261111400.JPG Sampling Results Sample Location:
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	o201105261111400.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	o20110526111400.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	o20110526111400.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	o20110526111400.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	o20110526111400.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	o20110526111400.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	o201105261111400.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): ppm

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Outfall ID: 01-520 US1

Inspection Date: 8/25/2010 12:53:	35 PM Inspector:	JCW Inspection Type: Ong	oing Previous Rainia	all (hrs): /2+
Flow Description: Submerged, ind	eterminate Notes:	Significant floatable debris in man	hole.	
Submerged: Fully Depth (i	n): 72		and the same of	
Illicit Discharge Potential: Potentia	al	Field Follow-up Office F	ollow-up	
Floatables: None	Petrol. Sheen	Suds Sewage Algae	Other	
Odor: None	Petroleum VOC/Solvent] Musty ☐ Sewage ☐ Chlorine] Fishy ☐ Sulfur ☐ Fragran	We Holder	
Turbidity: None				08.25.2010 12:47/
Color: Faint in bottle	Brown		0201	00825124708.JPG
Gross Solids: Severe	Litter	Debris Sediment Other	Sampling Result	s
Vegetation: None	Inhibited	Excessive	Sample Location	n: Pool
Benthic Growth: None	Green	Brown	Sample ID:	100825-90
Stains: None	Flow Line	Oil Rust Stains	Time Collected	12:55
	Corrosion	Paint Other	Total Chlorine (f	field): 0 ppm
Non-illicit: None	☐ Natural Sheen	☐ Natural Suds/Foam	Free Chlorine (f	
Physical Condition Assessment —			Total Copper (field) Ammonia (field)	, , , , , , , , , , , , , , , , , , , ,
Graffiti: None			pH (field):	: 0 ppm 8.18 units
Erosion: None			Temperature (fig	
Deposition: None Depth (in)	: 0		Conductivity (fie	eld): μS/cm
Damage: None Displa	cement Undercut	Crushed	Detergents:	0 <i>mg/L</i>
Corros	sion Cracks/Str	ructural Damage	Phenol:	mg/L
Inspection Date: 9/9/2009	Inspector:	JCW Inspection Type: Initia	l Previous Rainfa	all (hrs): 72+
Inspection Date: 9/9/2009 Flow Description: Submerged, ind		Abnormal detergent analysis resul	t	all (hrs): 72+
Flow Description: Submerged, ind Submerged: Fully Depth (i	eterminate Notes:	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color.	t i	all (hrs): 72+
Flow Description: Submerged, ind	eterminate Notes:	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color.	t	all (hrs): 72+
Flow Description: Submerged, ind Submerged: Fully Depth (i	eterminate Notes:	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color.	t i	all (hrs): 72+
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential	eterminate Notes: n): 61 al Petrol. Sheen Petroleum	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up Office F Suds Sewage Algae Musty Sewage Chlorine	ollow-up Other	all (hrs): 72+
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: None	eterminate Notes: n): 61 al Petrol. Sheen	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up Office F Suds Sewage Algae	ollow-up Other	all (hrs): 72+
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None	eterminate n): 61 al Petrol. Sheen Petroleum VOC/Solvent	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up Office F Suds Sewage Algae Musty Sewage Chlorine	ollow-up Other e Other t	
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: Clearly visible in bottle	eterminate n): 61 al Petrol. Sheen Petroleum VOC/Solvent Brown	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up Office F Suds Sewage Algae Musty Sewage Chlorine Fishy Sulfur Fragran	ollow-up Other c Other t	05.08.2008 11:25 9_DSCN6718.JPG
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: Clearly visible in bottle Gross Solids: Severe	eterminate n): 61 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up Office F Suds Sewage Algae Musty Sewage Chlorine Fishy Sulfur Fragran Debris Sediment Other	ollow-up Other Other Sampling Result	09.09.2008 11:25 9_DSCN6718.JPG
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: Clearly visible in bottle Gross Solids: Severe Vegetation: None	eterminate n): 61 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up Office F Suds Sewage Algae Musty Sewage Chlorine Fishy Sulfur Fragran Debris Sediment Other Excessive	ollow-up Other Other Sampling Result Sample Location	09.09.2009 11:25 9_DSCN6718.JPG s- n: Pool
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: Clearly visible in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None	eterminate n): 61 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up Office F Suds Sewage Algae Musty Sewage Chlorine Fishy Sulfur Fragran Debris Sediment Other Excessive Brown	ollow-up Other Other Sampling Result Sample Location Sample ID:	9_DSCN6718.JPG s n: Pool 090909-57
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: Clearly visible in bottle Gross Solids: Severe Vegetation: None	eterminate n): 61 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up Office F Suds Sewage Algae Musty Sewage Chlorine Fishy Sulfur Fragran Debris Sediment Other Excessive	ollow-up Other Other Sampling Result Sample Location	9_DSCN6718.JPG s n: Pool 090909-57 11:30
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: Clearly visible in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None	eterminate n): 61 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up Office F Suds Sewage Algae Musty Sewage Chlorine Fishy Sulfur Fragran Debris Sediment Other Excessive Brown Oil Rust Stains	ollow-up Other Osho Sampling Result Sample Location Sample ID: Time Collected Total Chlorine (f	9_DSCN6718.JPG s: n: Pool 090909-57 11:30 field): 0 ppm ield): 0 ppm
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: Clearly visible in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None	eterminate n): 61 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line Corrosion	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up	ollow-up Other Other Sampling Result Sample Location Sample ID: Time Collected Total Chlorine (f Free Chlorine (f) Total Copper (fin	9_DSCN6718.JPG s n: Pool 090909-57 11:30 field): 0 ppm ield): 0 ppm
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: Clearly visible in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None	eterminate n): 61 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line Corrosion	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up	ollow-up Other Other Sampling Result Sample Location Sample ID: Time Collected Total Chlorine (f Total Copper (fin Ammonia (field)	9_DSCN6718.JPG s n: Pool 090909-57 11:30 field): 0 ppm ield): 0 ppm ield): 0 ppm : ppm
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: Clearly visible in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment	eterminate n): 61 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line Corrosion	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up	ollow-up Other Other Sampling Result Sample Location Sample ID: Time Collected Total Chlorine (f Free Chlorine (f Total Copper (fi Ammonia (field) pH (field):	9_DSCN6718.JPG s n: Pool 090909-57 11:30 field): 0 ppm ield): 0 ppm eld): 0 ppm : ppm 8.6 units
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: Clearly visible in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Graffiti: None	eterminate n): 61 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line Corrosion Natural Sheen	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up	ollow-up Other Other Sampling Result Sample Location Sample ID: Time Collected Total Chlorine (f Total Copper (fin Ammonia (field)	9_DSCN6718.JPG s n: Pool 090909-57 11:30 field): 0 ppm ield): 0 ppm eld): 0 ppm : ppm 8.6 units eld): 78 °F
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: Clearly visible in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in)	eterminate n): 61 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line Corrosion Natural Sheen	Abnormal detergent analysis resul (bubbles). Significant floatables in manhole. Brown color. Field Follow-up	ollow-up Other Osho Sampling Result Sample Location Sample ID: Time Collected Total Chlorine (f Total Copper (file Ammonia (field) pH (field): Temperature (file	9_DSCN6718.JPG s n: Pool 090909-57 11:30 field): 0 ppm ield): 0 ppm eld): 0 ppm seld): ppm 8.6 units eld): 78 °F

Outfall ID: 02-184

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

Vitrified Clay

City ID:

N/A

Drainage Basin:

Legion Place

- Dimensions

Diameter (in): Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

✓ Not Physically Located

o20130905072906.JPG

Outfall Notes:

Legion PI storm sewer discharges to lake from west. Branch should be abandoned.

County Coordinates: Latitude/Longitude:

Northing: 472,662 Latitude: 44.01615 Easting: 798,793 Longitude: -88.51599

Location Map



Inspection	Date: 9	9/5/2013 8:25:03 AM	Inspector: JO	CW Inspe	ction Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	•	Submerged (not located) Depth (in):	up	utfall not locate ostream at 02-1 llow-up.			Outf	0	
Illicit Disch	arge Pote	ential: Potential		eld Follow-up	Off	fice Follow-up	No		
Floatables:	None	Petro	I. Sheen 🗌 Sı	uds 🗌 Sew	age 🗌 Alg	gae 🗌 Other			
Odor:	None	☐ Petro	leum 🗌 M	usty 🗌 Sew	age 🗌 Ch	lorine Other	LOCa	te	
	L	U VOC	Solvent 🗌 Fi	shy 🗌 Sulf	ur 🗌 Fra	agrant		4	
Turbidity:	None							09/05/2	2013 08:29
Color:	None						0201309050729	902.JF	PG
Gross Solids	s: None	E Litter	☐ Deb	oris Sedi	ment 🗌 C	Other	Sampling Results———		
Vegetation:	None	e Inhib	ted Exc	essive			Sample Location:		
Benthic Gro	wth: None	Gree	n 🗌 Bro	wn			Sample ID:		
Stains:	None	e	Line	Rus	Stains		Time Collected		
		Corro	sion 🗌 Pair	nt Othe	er		Total Chlorine (field):		ppm
Non-illicit:	None	e Natu	al Sheen	Natural Suds/F	oam		Free Chlorine (field):		ppm
– Physical I	Condition	Assessment —			-		Total Copper (field):		ppm
							Ammonia (field):		ppm
Graffiti:	None						pH (field):		units
Erosion:	None						Temperature (field):		°F
Deposition		-1 ()					Conductivity (field):		μS/cm
Damage:	None	Displacement	Undercut	Crushed			Detergents:		mg/L
		☐ Corrosion ☐	Cracks/Struct	ural Damage			Phenol:		mg/L

Outfall ID: 02-184

Inspection Date: 10/3	3/2011 10:40:32 AM	inspector: JCW	Inspection Type: Ongoing	Previous Rainfall (hrs	8): /2+
Flow Description: Sub	,		I fully submerged and not physicad. Outfall screened upstream at	02	
Submerged: Fully	Depth (in):	184 U			ttall
Illicit Discharge Potentia	al: Unlikely	☐ Field F	Follow-up Office Follow	y-up	ot
Floatables: None	☐ Petrol	. Sheen Suds	Sewage Algae	Other	stod
Odor: None	Petrol	leum	Sewage Chlorine Sulfur Fragrant	Other	
Turbidity: None		Solvent I ishly			1013(20) 1123
Color: None				0201110031	03856.JPG
Gross Solids: None	Litter	Debris	Sediment Other	Sampling Results	
Vegetation: None	Inhibit	ted Excessi	ve	Sample Location:	
Benthic Growth: None	Green	n Brown		Sample ID:	
Stains: None	Flow I	_	☐ Rust Stains ☐ Other	Time Collected	
	☐ Corro			Total Chlorine (field): Free Chlorine (field):	ppm
Non-illicit: None		al Sheen 🗌 Nat	ural Suds/Foam	Total Copper (field):	ppm ppm
Physical Condition Ass	sessment ————			Ammonia (field):	ppm
Graffiti: None				pH (field):	units
Erosion: None	Dentalla (las) a 0			Temperature (field):	°F
Deposition: None Damage: None	Depth (in): 0			Conductivity (field):	μS/cm
Damage: None		Undercut	Crushed	Detergents:	mg/L
	Corrosion	Cracks/Structural	Damage	Phenol:	mg/L
•		Inspector: JCW Notes: Outfal	Inspection Type: Other	Previous Rainfall (hrs	s): 0-24
Inspection Date: 5/10 Flow Description: Sub Submerged: Fully		Notes: Outfal	I fully submerged and not physical Outfall screened upstream at	ally	s): 0-24
Flow Description: Sub	merged (not located) Depth (in):	Notes: Outfal locate	I fully submerged and not physical Outfall screened upstream at	ally 02-	s): 0-24
Flow Description: Sub Submerged: Fully	Depth (in): al: Unlikely	Notes: Outfal locate	I fully submerged and not physic d. Outfall screened upstream at S1.	ally 02-	s): 0-24
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia	merged (not located) Depth (in): al: Unlikely Detroi	Notes: Outfal locate 184 U Field F Sheen Suds Suds Suds	I fully submerged and not physical d. Outfall screened upstream at S1. Follow-up	ally 02-	tfall
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia Floatables: Odor:	merged (not located) Depth (in): al: Unlikely Detroi	Notes: Outfal locate 184 U Field F	I fully submerged and not physical Outfall screened upstream at S1. Follow-up Office Follow Sewage Algae	ally 02-	tfall
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia Floatables:	merged (not located) Depth (in): al: Unlikely Detroi	Notes: Outfal locate 184 U Field F Sheen Suds Suds Suds	I fully submerged and not physical d. Outfall screened upstream at S1. Follow-up	ally 02-	tfall ot aled
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia Floatables: Odor: Turbidity:	merged (not located) Depth (in): al: Unlikely Detroi	Notes: Outfal locate 184 U Field F Sheen Suds Suds Suds	I fully submerged and not physical d. Outfall screened upstream at S1. Follow-up	ally 02- Other Other	tfall ot alect
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia Floatables: Odor: Turbidity: Color:	merged (not located) Depth (in): al: Unlikely Petrol VOC/	Notes: Outfal locate 184 U Field F Suds leum Musty Solvent Fishy Debris	I fully submerged and not physical. Outfall screened upstream at S1. Follow-up Office Follow Sewage Algae Sewage Chlorine Sulfur Fragrant Sediment Other	ally 02- 7-up Other Other	tfall ot aled
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia Floatables: Odor: Turbidity: Color: Gross Solids:	Depth (in): al: Unlikely Petrol Petrol VOC/	Notes: Outfal locate 184 U Field F Sheen Suds Solvent Fishy Debris ted Excessi	I fully submerged and not physical. Outfall screened upstream at S1. Follow-up Office Follow Sewage Algae Sewage Chlorine Sulfur Fragrant Sediment Other	Other Other Ozon Sampling Results	tfall ot aled
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	Depth (in): al: Unlikely Petrol Petrol VOC/ Inhibit Greer	Notes: Outfal locate 184 U Field F Suds Solvent Debris The Brown Line Oil	I fully submerged and not physical. Outfall screened upstream at S1. Follow-up	Other Other Other Sampling Results Sample Location: Sample ID: Time Collected	tfall ot alect
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	Depth (in): al: Unlikely Petrol Petrol VOC/	Notes: Outfal locate 184 U Field F Suds I. Sheen Suds Ideum Musty Solvent Fishy Debris ted Excession Brown Line Oil sion Paint	I fully submerged and not physical. Outfall screened upstream at S1. Follow-up	Other Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field):	ifall ot 2160 285930.JPG
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	merged (not located) Depth (in): al: Unlikely Petrol Petrol VOC/	Notes: Outfal locate 184 U Field F Suds I. Sheen Suds Ideum Musty Solvent Fishy Debris ted Excession Brown Line Oil sion Paint	I fully submerged and not physical. Outfall screened upstream at S1. Follow-up	Other Other Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field):	ppm ppm
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Ass	merged (not located) Depth (in): al: Unlikely Petrol Petrol VOC/	Notes: Outfal locate 184 U Field F Suds I. Sheen Suds Ideum Musty Solvent Fishy Debris ted Excession Brown Line Oil sion Paint	I fully submerged and not physical. Outfall screened upstream at S1. Follow-up	Other Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field):	ifall ot 2160 285930.JPG
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Ass Graffiti: None	merged (not located) Depth (in): al: Unlikely Petrol Petrol VOC/	Notes: Outfal locate 184 U Field F Suds I. Sheen Suds Ideum Musty Solvent Fishy Debris ted Excession Brown Line Oil sion Paint	I fully submerged and not physical. Outfall screened upstream at S1. Follow-up	Other Other Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field):	ppm ppm ppm
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Ass Graffiti: None Erosion: None	Depth (in): al: Unlikely Petrol Petrol VOC/ Inhibit Greer Flow I Corro	Notes: Outfal locate 184 U Field F Suds I. Sheen Suds Ideum Musty Solvent Fishy Debris ted Excession Brown Line Oil sion Paint	I fully submerged and not physical. Outfall screened upstream at S1. Follow-up	Other Other Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm ppm ppm ppm units ° F
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Ass Graffiti: None Erosion: None Deposition: None	merged (not located) Depth (in): al: Unlikely Petrol Petrol VOC/ Inhibit Greer Flow I Corro Natura	Notes: Outfal locate 184 U Field F Suds Solvent Musty Solvent Excession Brown Line Oil Sion Paint al Sheen Nat	I fully submerged and not physical. d. Outfall screened upstream at S1. Follow-up	Other Other Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field):	ppm units °F µS/cm
Flow Description: Sub Submerged: Fully Illicit Discharge Potentia Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Ass Graffiti: None Erosion: None	Depth (in): al: Unlikely Petrol Petrol VOC/ Inhibit Greer Flow I Corro Natura	Notes: Outfal locate 184 U Field F Suds Solvent Musty Solvent Excession Brown Line Oil Sion Paint al Sheen Nat	I fully submerged and not physical d. Outfall screened upstream at S1. Follow-up	Other Other Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm ppm ppm ppm units ° F

Outfall ID: 02-184 US1

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

02-184

Drainage Basin:

Legion Place

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

09/0 20.18 01 -0

o20130905073606.JPG

Outfall Notes:

Upstream manhole located approx 209 ft W of outfall 02-184. Intermediate area consists of residential lot.

 ${\bf County\ Coordinates:} \qquad {\bf Latitude/Longitude:}$

Northing: 472,659 Latitude: 44.01614 Easting: 798,584 Longitude: -88.51679

Location Map



Inspection Date: 9/5/2013 8:29:25 AM Inspection Type: Ongoing Inspector: **JCW** Previous Rainfall (hrs): 72+ Flow Description: Submerged, indeterminate Notes: 2011 screening follow-up. Strong sewer odor, with elevated ammonia and detergent. Submerged: Fully Depth (in): 6 Illicit Discharge Potential: **Potential** Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: Easily detected Petroleum Musty ✓ Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130905073614.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results None Inhibited Vegetation: Excessive Sample Location: Pool Benthic Growth: None Green Brown Sample ID: 130905-16 Stains: None Rust Stains Time Collected 08:30 Flow Line Oil Corrosion Paint Other Total Chlorine (field): 0 ppm Free Chlorine (field): mqq Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): 0 ppm Physical Condition Assessment Ammonia (field): 6 ppm Graffiti: None pH (field): 7.6 units Erosion: None Temperature (field): 68 ۰F Deposition: None Depth (in): Conductivity (field): 1036 μS/cm Damage: None Displacement Undercut Crushed Detergents: 1.3 mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 02-184 US1

Inspection Date: 10/3/2011 10:43:48 AM	Inspector: JCW	Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: Trickle		cant mud on bottom of manhole.	
Submerged: None Depth (in):	Silgni	flow through mud.	
Illicit Discharge Potential: Unlikely	Field F	Follow-up Office Follow-up	
Floatables: None Detr	ol. Sheen Suds	Sewage Algae Othe	er The State of th
	oleum Musty	Sewage Chlorine Othe	ir V
	C/Solvent Fishy	Sulfur Fragrant	0/08/01/ 10:43
Turbidity: Opaque Color: None			o20111003104326.JPG
Color: None Litte	r Debris	Sediment Other	Compline Deculto
	r Debris bited Excessiv		- Sampling Results
Vegetation: None Inhil Benthic Growth: None Gree	_	/e	Sample ID: 111003-03
	r Line ☐ Oil	Rust Stains	Time Collected 10:50
	osion Paint	Other	
		ural Suds/Foam	Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm
	rai Sileeii 🔲 ivatt	Jrai Suus/roaiii	Total Copper (field): 0 ppm
Physical Condition Assessment			Ammonia (field): 0 ppm
Graffiti: None Erosion: None			pH (field): 7.13 units
Deposition: Moderate Depth (in): 5			Temperature (field): 61 ° F
Damage: None Displacement	Undercut	Crushed	Conductivity (field): μS/cm Detergents: 0 mg/L
Corrosion	Cracks/Structural I		Detergents: 0 mg/L Phenol: mg/L
	oracitor Ct. acta	Jamago	1 Herion
Increasion Date: 5/10/2011 9:00:00 AM	Inenector: JCW	Inspection Type: Other	Provious Rainfall (hrs): 0-24
Inspection Date: 5/10/2011 9:00:00 AM	Inspector: JCW	Inspection Type: Other	Previous Rainfall (hrs): 0-24
Flow Description: Submerged, indeterminate	Notes: Limited	Inspection Type: Other d screening conducted for upstream ole prescreening.	Previous Rainfall (hrs): 0-24
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in):	Notes: Limited manho	d screening conducted for upstream ole prescreening.	Previous Rainfall (hrs): 0-24
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely	Notes: Limited manho	d screening conducted for upstream ole prescreening. Follow-up Office Follow-up	
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petr	Notes: Limited manho	d screening conducted for upstream ole prescreening. Follow-up	er Control of the Con
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petr Odor: Petr	Notes: Limited manho Field F Fol. Sheen Suds Oleum Musty	d screening conducted for upstream ole prescreening. Follow-up	er Control of the Con
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petr Odor: Petr	Notes: Limited manho	d screening conducted for upstream ole prescreening. Follow-up	er Control of the Con
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petr Voc	Notes: Limited manho Field F Fol. Sheen Suds Oleum Musty	d screening conducted for upstream ole prescreening. Follow-up	er e
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petrodor: Petrodor: Vocation Vocatio	Notes: Limiter manho Field F ol. Sheen Suds oleum Musty c/Solvent Fishy	d screening conducted for upstream ole prescreening. Follow-up	er er er befor
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petrodor: Petrodor: Voca Voca Voca Voca Voca Voca Voca Voca	Notes: Limiter manho Field F Field F Field F Field F Musty K/Solvent Fishy Fishy	d screening conducted for upstream onle prescreening. Follow-up	o20110510090038.JPG
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petrodor: Petrodor: Potential: Vocation Petrodor: Petrodor: Little Petrodor:	Notes: Limited manho Field F Field F Fol. Sheen Suds Soleum Musty Fishy T Debris Solited Excessive	d screening conducted for upstream onle prescreening. Follow-up	o20110510090038.JPG — Sampling Results
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petrodor: Petrodor: Potential: Vocation: Color: Little Vegetation: Inhill Benthic Growth: Green Gre	Notes: Limited manho Field F Field F Fol. Sheen Suds Soleum Musty Fishy T Debris Solited Excessive	d screening conducted for upstream onle prescreening. Follow-up	ozo110510090038.JPG Sampling Results Sample Location:
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petrodor: Petrodor: Potential: Vocation: Little Vegetation: Inhill Benthic Growth: Green Stains: Flow	Notes: Limiter manho Field F ol. Sheen Suds oleum Musty C/Solvent Fishy r Debris oited Excessiven Brown	d screening conducted for upstream ole prescreening. Follow-up	o20110510090038.JPG Sampling Results Sample Location: Sample ID:
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petrodor: Petrodor: Potential: Vocation: Cores Solids: None Little Vegetation: Inhill Benthic Growth: Green Stains: Flow Cores Co	Notes: Limiter manho Field F ol. Sheen Suds oleum Musty C/Solvent Fishy r Debris oited Excessiven Brown of Line Oil osion Paint	d screening conducted for upstream onle prescreening. Follow-up	o20110510090038.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petrodor: Petrodor: Potential: Voca Petrodor: P	Notes: Limiter manho Field F ol. Sheen Suds oleum Musty C/Solvent Fishy r Debris oited Excessiven Brown of Line Oil osion Paint	d screening conducted for upstream onle prescreening. Follow-up	o20110510090038.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petrodor: Petrodor: Potential: Vocation Petrodor: Petrodo	Notes: Limiter manho Field F ol. Sheen Suds oleum Musty C/Solvent Fishy r Debris oited Excessiven Brown of Line Oil osion Paint	d screening conducted for upstream onle prescreening. Follow-up	o20110510090038.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petrodor: Petrodor: Petrodor: Potential: Vocation Petrodor: Petrodo	Notes: Limiter manho Field F ol. Sheen Suds oleum Musty C/Solvent Fishy r Debris oited Excessiven Brown of Line Oil osion Paint	d screening conducted for upstream onle prescreening. Follow-up	o20110510090038.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petrodor: Petrodo	Notes: Limiter manho Field F ol. Sheen Suds oleum Musty C/Solvent Fishy r Debris oited Excessiven Brown of Line Oil osion Paint	d screening conducted for upstream onle prescreening. Follow-up	o20110510090038.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): ppm Temperature (field): °F
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Floatables: None Petrodor: Petrodo	Notes: Limited manho Field F ol. Sheen Suds oleum Musty C/Solvent Fishy r Debris oited Excessiven Brown y Line Oil osion Paint ural Sheen Natu	d screening conducted for upstream onle prescreening. Follow-up	o20110510090038.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units

Outfall ID: 02-322

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

Vitrified Clay

City ID: N/A

Drainage Basin:

Rahr Ave

- Dimensions

Diameter (in): 15
Height/Depth (in):
Width (in):

Mapping Precison:

Desktop mapping estimate

✓ Not Physically Located

09/09/2013 08:02

o20130905070204.JPG

Outfall Notes:

Storm sewer from Rahr Ave discharges to lake from west. Outfall not located - pipe info from MS4 map.

County Coordinates: Latitude/Longitude:

Northing: 472,376 Latitude: 44.01536 Easting: 798,866 Longitude: -88.51571



Inspection	Date: 9/5/	2013 7:57:58 AM Ir	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Desci	•	Depth (in):		screening follow-up. C d. Outfall screened u S1.		Qut	all.
Illicit Disch	narge Potenti	al: Unlikely	Field F	ollow-up O	ffice Follow-up	No	<u>, </u>
Floatables:	None	Petrol.	Sheen Suds	Sewage Al	gae 🗌 Other		
Odor:	None	☐ Petrole	eum 🗌 Musty	Sewage C	hlorine 🗌 Other	Loca	tea
		UOC/S	Solvent Fishy	Sulfur Fr	agrant		09/05/2013 08:01
Turbidity:	None					0040005070	140,400
Color:	None					o20130905070	148.JPG
Gross Solid	ls: None	Litter	Debris	Sediment	Other	Sampling Results———	
Vegetation:	None	Inhibite	ed Excessi	ve		Sample Location:	
Benthic Gro	owth: None	☐ Green	Brown			Sample ID:	
Stains:	None	☐ Flow L	ine 🗌 Oil	Rust Stains		Time Collected	
		☐ Corros	sion 🗌 Paint	Other		Total Chlorine (field):	<i>ppm</i>
Non-illicit:	None	☐ Natura	l Sheen Nati	ural Suds/Foam		Free Chlorine (field):	ppm
– Physical	Condition As	sessment —				Total Copper (field):	ppm
		3C33IIICIII				Ammonia (field):	<i>ppm</i>
Graffiti:	None					pH (field):	units
Erosion:	None	D (1.)				Temperature (field):	° <i>F</i>
Deposition		Depth (in):				Conductivity (field):	μS/cm
Damage:	: None	Displacement U	Jndercut	Crushed		Detergents:	mg/L
		Corrosion (Cracks/Structural	Damage		Phenol:	mg/L

Inspection Date: 9/27/2012 8:40:1	4 AM Inspector:	JCW Inspection Type: Ongo	ing Pre	vious Rainfall (hrs):	72+
Flow Description: Submerged (not	located) Notes:	Outfall fully submerged; screened u	upstream		
Submerged: Fully Depth (i	n):	at 02-322 US1.		Outf	
Illicit Discharge Potential: Potentia	al 🗌	Field Follow-up Office Fo	llow-up		
Floatables: None	Petrol. Sheen	Suds Sewage Algae	Other		
Odor: None	Petroleum	Musty Sewage Chlorine	Other	// Local	ted
	☐ VOC/Solvent ☐	Fishy Sulfur Fragrant	8		09/27/2012 08:44
Turbidity: None]			o201209270744	104 JPG
Color: None]] [Outside Outside Outside	0		
Gross Solids: None		Debris Sediment Other		oling Results	
Vegetation: None		Excessive		ple Location:	
Benthic Growth: None Stains: None		Brown Dil □ Rust Stains		ple ID: c Collected	
Status. Inone		Paint Other		l Chlorine (field):	200
Non-illicit: None	Natural Sheen	Natural Suds/Foam		Chlorine (field):	ppm ppm
Physical Condition Assessment	Natural Sheen [Ivaturai Suus/i Gairi		l Copper (field):	ppm
Graffiti: None				nonia (field):	ppm
Erosion: None				field): perature (field):	units °F
Deposition: None Depth (in)	:			ductivity (field):	μS/cm
Damage: None Displa	cement Undercut	☐ Crushed	Dete	rgents:	mg/L
Corros	ion Cracks/Stru	uctural Damage	Pher	nol:	mg/L
Inspection Date: 6/20/2012 8:34:4	0 AM Inspector:	JCW Inspection Type: Other	· Pre	vious Rainfall (hrs):	24-48
Inspection Date: 6/20/2012 8:34:4 Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Potential: Potential: Potential: Potential: Potential: Potential: Potential: Potential	Notes:	Gross solids pre-screening. Field Follow-up Office Fo	llow-up	vious Rainfall (hrs):	24-48
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None	Notes: n): al Petrol. Sheen	Gross solids pre-screening. Field Follow-up	llow-up	vious Rainfall (hrs):	24-48
Flow Description: Submerged (not Submerged: Fully Depth (i	Notes: n): al Petrol. Sheen Petroleum	Gross solids pre-screening. Field Follow-up	llow-up	vious Rainfall (hrs):	24-48 31 CO
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None	Notes: n): al Petrol. Sheen	Gross solids pre-screening. Field Follow-up	llow-up	Outl No Loca	
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None	Notes: n): al Petrol. Sheen Petroleum	Gross solids pre-screening. Field Follow-up	llow-up	vious Rainfall (hrs):	
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None	Notes: n): al Petrol. Sheen Petroleum VOC/Solvent	Gross solids pre-screening. Field Follow-up	llow-up Other Other	Outl No Loca	
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None	Notes: n): al Petrol. Sheen Petroleum VOC/Solvent Litter	Gross solids pre-screening. Field Follow-up	llow-up Other Other	O201206200736	
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None	Notes: n): Al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited E	Gross solids pre-screening. Field Follow-up	llow-up Other Other	o201206200736	
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential:	Notes: n): Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Green Flow Line	Gross solids pre-screening. Field Follow-up	llow-up Other Other	o201206200736 oling Results— ple Location:	
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential:	Notes: n): Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Green Flow Line	Gross solids pre-screening. Field Follow-up	Other Other Samp Sam Time	o201206200736 oling Results— ple Location: ple ID: e Collected I Chlorine (field):	## (Color of the Color of the C
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential:	Notes: n): Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Green Flow Line	Gross solids pre-screening. Field Follow-up	ollow-up Other Other Samp Sam Sam Time Tota Free	o201206200736 oling Results— ple Location: ple ID: e Collected I Chlorine (field): Chlorine (field):	ppm ppm
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None	Notes: N	Gross solids pre-screening. Field Follow-up	Other Other Samp Sam Sam Time Tota Free Tota	o201206200736 oling Results— ple Location: ple ID: e Collected I Chlorine (field):	## (Color of the Color of the C
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Graffiti: None	Notes: N	Gross solids pre-screening. Field Follow-up	Other Other Samp Sam Sam Time Tota Free Tota Amn	o201206200736 oling Results ple Location: ple ID: c Collected I Chlorine (field): Chlorine (field): I Copper (field):	ppm ppm ppm
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Graffiti: None Erosion: None	Notes: n): al	Gross solids pre-screening. Field Follow-up	Other Other Samp Sam Sam Time Tota Free Tota Amn pH (t) Tem	o201206200736 oling Results ple Location: ple ID: c Collected I Chlorine (field): Chlorine (field): I Copper (field): nonia (field): field): perature (field):	ppm ppm ppm ppm ppm units °F
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Graffiti: None Erosion: None Deposition: None Depth (in)	Notes: n): al	Gross solids pre-screening. Field Follow-up	Other Other Samp Sam Time Tota Free Tota Amn pH (i Tem	o201206200736 oling Results ple Location: ple ID: c Collected I Chlorine (field): I Copper (field): nonia (field): field):	ppm ppm ppm ppm ppm units

Inspection Da	ite: 10/3/20)11 10:09:27 AM	Inspector:	JCW	Inspection Type: (Ungoing	Previous Rainfall (hrs):	/2+
•		erged (not located)	Notes:		fully submerged and no . Outfall screened upst			
Submerged: F	Fully	Depth (in):		322 US			<u> </u>	all
Illicit Discharg	ge Potential:	Potential		Field Fo	ollow-up Offic	ce Follow-up	Arc	
Floatables: No	one	☐ Petro	ol. Sheen	Suds	Sewage Alga	e Other	100	tod
Odor: No	one		oleum /Solvent	Musty Fishy	Sewage Chlo	orine Other		teu
Turbidity: No	one		Joivent _	_ i isiiy	Sullul I lay	jrani		10,0572011 10:10
Color: No	one						o20111003101	004.JPG
Gross Solids:	None	Litter	r 🔲	Debris	Sediment Otl	her	Sampling Results———	
Vegetation:	None	Inhib	ited	Excessive	е		Sample Location:	
Benthic Growth	h: None	Gree	en 🗌	Brown			Sample ID:	
Stains:	None	Flow	_	Oil	Rust Stains		Time Collected	
		Corro	osion	Paint	Other		Total Chlorine (field):	ppm
Non-illicit:	None	Natu	ral Sheen	Natur	ral Suds/Foam		Free Chlorine (field): Total Copper (field):	ppm ppm
Physical Col	ndition Asses	sment ————					Ammonia (field):	ppm
Graffiti:	None						pH (field):	units
Erosion:	None	Donath (in)					Temperature (field):	°F
Deposition: Damage:	None None	Depth (in): 0					Conductivity (field):	μS/cm
Damage.	None	Displacement	Undercut		Crushed		Detergents:	mg/L
		Corrosion	Cracks/Str	ructural D	amage		Phenol:	mg/L
Inspection Da			Inspector:	JCW Outfall t	Inspection Type: (Previous Rainfall (hrs):	0-24
Flow Descript	tion: Subme	erged (not located)	Inspector:	Outfall to	fully submerged and no . Outfall screened upst	ot physically	Previous Rainfall (hrs):	0-24
Flow Descript Submerged: F	tion: Subme	erged (not located) Depth (in):		Outfall I located 322 US	fully submerged and no . Outfall screened upst 1.	ot physically tream at 02-	Previous Rainfall (hrs):	0-24
Flow Descript Submerged: f	tion: Subme	Depth (in): Unlikely	Notes:	Outfall I located 322 US Field Fo	fully submerged and no . Outfall screened upst 1. ollow-up	ot physically tream at 02- ce Follow-up	Out	0-24
Flow Descript Submerged: Floatables:	tion: Subme	Depth (in): Unlikely	Notes:	Outfall to located 322 US Field For Suds	fully submerged and no . Outfall screened upst 1. ollow-up	ot physically tream at 02- ce Follow-up	Out	0-24
Flow Descript Submerged: f	tion: Subme	Perged (not located) Depth (in): Unlikely Petro	Notes:	Outfall I located 322 US Field Fo	fully submerged and no . Outfall screened upst 1. ollow-up	ot physically tream at 02-ce Follow-up de Other Other	Out	0-24
Flow Descript Submerged: Floatables:	tion: Subme	Perged (not located) Depth (in): Unlikely Petro	Notes:	Outfall I located 322 US Field Fo Suds Musty	fully submerged and no . Outfall screened upst 1. ollow-up	ot physically tream at 02-ce Follow-up de Other Other	Otal Ne Laca	icci
Flow Descript Submerged: Illicit Discharg Floatables: Odor:	tion: Subme	erged (not located) Depth (in): Unlikely Petro Petro VOC	Notes:	Outfall to located 322 US Field For Suds Musty Fishy	fully submerged and no . Outfall screened upst 1. Dillow-up	ot physically tream at 02-ce Follow-up de Other Other	Out	icci
Flow Descript Submerged: Floatables: Odor: Turbidity: Color: Gross Solids:	tion: Subme	Perged (not located) Depth (in): Unlikely Petro Petro VOC	Notes:	Outfall I located 322 US Field For Suds Musty Fishy Debris	fully submerged and no Outfall screened upst 1. Ollow-up Offic Sewage Alga Sewage Chlo Sulfur Frag Sediment Ott	ot physically tream at 02- ce Follow-up de	o20110510084 Sampling Results	icci
Flow Descript Submerged: F Illicit Discharg Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	tion: Subme Fully ge Potential:	Perged (not located) Depth (in): Unlikely Petro Petro VOC	Notes:	Outfall I located 322 US Field For Suds Musty Fishy Debris Excessive	fully submerged and no Outfall screened upst 1. Ollow-up Offic Sewage Alga Sewage Chlo Sulfur Frag Sediment Ott	ot physically tream at 02- ce Follow-up de	o20110510084 Sampling Results Sample Location:	icci
Flow Descript Submerged: Floatables: Odor: Turbidity: Color: Gross Solids:	tion: Subme Fully ge Potential:	Perged (not located) Depth (in): Unlikely Petro Petro VOC	Notes: Notes: No	Outfall to located 322 US Field For Suds Musty Fishy Debris Excessive Brown	fully submerged and no Outfall screened upst 1. Ollow-up Offic Sewage Alga Sewage Chlo Sulfur Frag Sediment Ottle	ot physically tream at 02- ce Follow-up de	o20110510084 Sampling Results Sample Location: Sample ID:	icci
Flow Descript Submerged: F Illicit Discharg Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	tion: Subme Fully ge Potential:	Perged (not located) Depth (in): Unlikely Petro Petro VOC	Notes: Notes:	Outfall I located 322 US Field For Suds Musty Fishy Debris Excessive Brown	fully submerged and no. Outfall screened upst 1. Ollow-up Office Sewage Alga Sewage Chlo Sulfur Frag Sediment Ottle Rust Stains	ot physically tream at 02- ce Follow-up de	o20110510084 Sampling Results Sample Location: Sample ID: Time Collected	tec 330.JPG
Flow Descript Submerged: F Illicit Discharg Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth Stains:	tion: Subme Fully ge Potential:	Perged (not located) Depth (in): Unlikely Petro Petro VOC	Notes: Notes:	Outfall to located 322 US Field For Suds Musty Fishy Debris Excessive Brown Oil Paint	fully submerged and no Outfall screened upst 1. Ollow-up Offic Sewage Alga Sewage Chlo Sulfur Frag Sediment Ottle Rust Stains Other	ot physically tream at 02- ce Follow-up de	o20110510084 Sampling Results Sample Location: Sample ID:	icci
Flow Descript Submerged: F Illicit Discharg Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth Stains: Non-illicit:	tion: Submer Fully ge Potential:	Perged (not located) Depth (in): Unlikely Petro Petro VOC	Notes: Notes:	Outfall to located 322 US Field For Suds Musty Fishy Debris Excessive Brown Oil Paint	fully submerged and no. Outfall screened upst 1. Ollow-up Office Sewage Alga Sewage Chlo Sulfur Frag Sediment Ottle Rust Stains	ot physically tream at 02- ce Follow-up de	o20110510084 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field):	ppm
Flow Descript Submerged: F Illicit Discharg Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth Stains: Non-illicit: Physical Col	tion: Submer Fully ge Potential: h: None	Perged (not located) Depth (in): Unlikely Petro Petro VOC	Notes: Notes:	Outfall to located 322 US Field For Suds Musty Fishy Debris Excessive Brown Oil Paint	fully submerged and no Outfall screened upst 1. Ollow-up Offic Sewage Alga Sewage Chlo Sulfur Frag Sediment Ottle Rust Stains Other	ot physically tream at 02- ce Follow-up de	o20110510084 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field):	ppm ppm ppm ppm ppm
Flow Descript Submerged: F Illicit Discharg Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth Stains: Non-illicit: Physical Color	tion: Submer Fully ge Potential: h: None ondition Asses None	Perged (not located) Depth (in): Unlikely Petro Petro VOC	Notes: Notes:	Outfall to located 322 US Field For Suds Musty Fishy Debris Excessive Brown Oil Paint	fully submerged and no Outfall screened upst 1. Ollow-up Offic Sewage Alga Sewage Chlo Sulfur Frag Sediment Ottle Rust Stains Other	ot physically tream at 02- ce Follow-up de	o20110510084 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field):	ppm ppm ppm ppm ppm units
Flow Descript Submerged: F Illicit Discharg Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth Stains: Non-illicit: Physical Col	tion: Submer Fully ge Potential: h: None	Petro	Notes: Notes:	Outfall to located 322 US Field For Suds Musty Fishy Debris Excessive Brown Oil Paint	fully submerged and no Outfall screened upst 1. Ollow-up Offic Sewage Alga Sewage Chlo Sulfur Frag Sediment Ottle Rust Stains Other	ot physically tream at 02- ce Follow-up de	o20110510084 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm ppm ppm ppm units ° F
Flow Descript Submerged: F Illicit Discharg Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth Stains: Non-illicit: Physical Col Graffiti: Erosion:	tion: Submer Fully ge Potential: h: None None None None	Perged (not located) Depth (in): Unlikely Petro Petro VOC Inhib Gree Flow Corro Natures	Notes: Notes:	Outfall I located 322 US Field For Suds Musty Fishy Debris Excessive Brown Oil Paint Natur	Gully submerged and not a control of the control of	ot physically tream at 02- ce Follow-up de	o20110510084 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field):	ppm ppm ppm ppm ppm units ° F μS/cm
Flow Descript Submerged: F Illicit Discharg Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth Stains: Non-illicit: Physical Color Graffiti: Erosion: Deposition:	h: None None None None None	Petro	Notes: Notes:	Outfall I located 322 US Field For Suds Musty Fishy Debris Excessive Brown Oil Paint Natur	Gully submerged and not outfall screened upst 1. Ollow-up Office Sewage Alga Sewage Chlor Sulfur Frag Sediment Otter Rust Stains Other ral Suds/Foam	ot physically tream at 02- ce Follow-up de	o20110510084 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm ppm ppm ppm units ° F

Outfall ID: 02-322 US1

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

02-322

Drainage Basin:

Rahr Ave

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130905070816.JPG

Outfall Notes:

Upstream manhole located approx 93 ft W of outfall 13-100. Intermediate area consists of street right-of-way and open space.

County Coordinates: Latitude/Longitude:

Northing: 472,384 Latitude: 44.01538 Easting: 798,773 Longitude: -88.51607

Location Map



Inspection Type: Ongoing Inspection Date: 9/5/2013 8:04:37 AM Inspector: **JCW** Previous Rainfall (hrs): 72+ Flow Description: Submerged, indeterminate Notes: 2012 screening follow-up. Ammonia source appears to be removed. Submerged: Partially Depth (in): 8 Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130905070826.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results Inhibited Vegetation: None Excessive Sample Location: Pool Benthic Growth: Slight **✓** Green Brown Sample ID: 130905-86 Stains: Slight Rust Stains Time Collected ✓ Flow Line Oil 08:05 Corrosion Paint Other Total Chlorine (field): 0 ppm Free Chlorine (field): mqq Non-illicit: None □ Natural Sheen □ Natural Suds/Foam Total Copper (field): 0 ppm Physical Condition Assessment Ammonia (field): 0 ppm Graffiti: None pH (field): 7.75 units Erosion: None Temperature (field): 70.2 ۰F Deposition: None Depth (in): Conductivity (field): 600 μS/cm Damage: None Displacement Undercut Crushed Detergents: 0 mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 02-322 US1

	7 AM Inspector:	JCW Inspec	ction Type: Ongoing	Previous Rainfall (hrs):	72+
Flow Description: Submerged, ind	eterminate Notes:	2011 gross solids	s / pH follow-up.		- A WILL
Submerged: Partially Depth (i	n): 3				
Illicit Discharge Potential: Potentia	al	Field Follow-up	Office Follow-up		
Floatables: None	Petrol. Sheen	Suds Sew	age 🗌 Algae 🔲 Othe	r	
Odor: Easily detected	Petroleum VOC/Solvent	Musty ✓ Sew	-	r - Co	
Turbidity: Opaque]		_ v		2012 08:44
Color: Clearly visible in bottle	Dark/Black			020120927074	1434.JPG
Gross Solids: Moderate	Litter 🗸	Debris Sedi	iment Other	- Sampling Results	
Vegetation: None	☐ Inhibited ☐	Excessive		Sample Location: Poo	ol
Benthic Growth: None	Green	Brown		Sample ID: 120	927-20
Stains: None	☐ Flow Line ☐	Oil Rust	t Stains	Time Collected 08:4	42
	Corrosion	Paint Othe	er	Total Chlorine (field):	0 <i>ppm</i>
Non-illicit: Moderate	Natural Sheen	✓ Natural Suds/F	oam	Free Chlorine (field):	0 <i>ppm</i>
Physical Condition Assessment —			7	Total Copper (field):	0 <i>ppm</i>
Graffiti: None				Ammonia (field): pH (field):	3 ppm 7.07 units
Erosion: None				Temperature (field):	60 °F
Deposition: None Depth (in)	:			Conductivity (field):	747 μS/cm
Damage: None Displa	cement Undercut	Crushed		Detergents:	0 <i>mg/L</i>
☐ Corros	ion Cracks/St	ructural Damage		Phenol:	mg/L
		10144	" T OII	D : D:(##)	04.40
Inspection Date: 6/20/2012 8:40:3 Flow Description: Submerged, ind Submerged: Partially Depth (i	eterminate Notes:	JCW Inspec	ction Type: Other	Previous Rainfall (hrs):	24-48
Flow Description: Submerged, ind	eterminate Notes:	JCW Inspec	ction Type: Other	Previous Rainfall (hrs):	24-48
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential	n): 10 Notes:	Field Follow-up	Office Follow-up		24-48
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential Floatables: Slight	eterminate Notes: n): 10 al Petrol. Sheen	☐ Field Follow-up	☐ Office Follow-up	r	24-48
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential	n): 10 Notes:	Field Follow-up Suds Sew Musty Sew	☐ Office Follow-up age ☐ Algae ☐ Othe age ☐ Chlorine ☐ Othe	r	24-48
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential Floatables: Slight	n): 10 Al Petrol. Sheen	Field Follow-up ✓ Suds ☐ Sew Musty ✓ Sew	Office Follow-up rage Algae Othe	r	24-48
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential Floatables: Slight Odor: Easily detected	n): 10 Al Petrol. Sheen	Field Follow-up Suds Sew Musty Sew	☐ Office Follow-up age ☐ Algae ☐ Othe age ☐ Chlorine ☐ Othe	r	
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential Floatables: Slight Odor: Easily detected Turbidity: Cloudy	eterminate n): 10 al Petrol. Sheen VOC/Solvent	Field Follow-up Suds Sew Musty Sew	☐ Office Follow-up age ☐ Algae ☐ Othe age ☐ Chlorine ☐ Othe ur ☐ Fragrant		
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential Floatables: Slight Odor: Easily detected Turbidity: Cloudy Color: None	Petroleum VOC/Solvent Litter	Field Follow-up Suds Sew Musty Sew Fishy Sulf	☐ Office Follow-up age ☐ Algae ☐ Othe age ☐ Chlorine ☐ Othe ur ☐ Fragrant	020120620073	3908.JPG
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential Floatables: Slight Odor: Easily detected Turbidity: Cloudy Color: None Gross Solids: Severe	Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited	Field Follow-up Suds Sew Musty Sew Fishy Sulfa	☐ Office Follow-up age ☐ Algae ☐ Othe age ☐ Chlorine ☐ Othe ur ☐ Fragrant	o20120620073 - Sampling Results Sample Location: Poo	3908.JPG
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential: Floatables: Slight Odor: Easily detected Turbidity: Cloudy Color: None Gross Solids: Severe Vegetation: None	Petrol. Sheen VOC/Solvent Litter Inhibited Green	Field Follow-up Suds Sew Musty Sew Fishy Sulfu Debris Sedi Excessive Brown Oil Rust	Office Follow-up rage Algae Othe rage Chlorine Othe rur Fragrant iment Other	o20120620073 - Sampling Results Sample Location: Poo	3908.JPG
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential Floatables: Slight Odor: Easily detected Turbidity: Cloudy Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None	Petrol. Sheen VOC/Solvent Litter Inhibited Green Flow Line	Field Follow-up Suds Sew Musty Sew Fishy Sulfu Debris Sedi Excessive Brown	Office Follow-up rage Algae Othe rage Chlorine Othe rur Fragrant iment Other	o20120620073 Sampling Results Sample Location: Pool Sample ID: 120	3908.JPG
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential Floatables: Slight Odor: Easily detected Turbidity: Cloudy Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None	Petrol. Sheen VOC/Solvent Litter Inhibited Green Flow Line	Field Follow-up Suds Sew Musty Sew Fishy Sulfu Debris Sedi Excessive Brown Oil Rust	Office Follow-up rage Algae Othe rage Chlorine Othe rage Othorine Othe rage Othorine Othe rage Othorine Othe rage Stains	o20120620073 Sampling Results Sample Location: Pool Sample ID: 120 Time Collected 08:4 Total Chlorine (field): Free Chlorine (field):	3908.JPG 01 1620-82 40 0 ppm 0 ppm
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential: Floatables: Slight Odor: Easily detected Turbidity: Cloudy Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None	Petrol. Sheen VOC/Solvent Litter Inhibited Green Flow Line Corrosion	Field Follow-up Suds Sew Musty Sew Fishy Sulfu Debris Sedi Excessive Brown Oil Rust Paint Othe	Office Follow-up rage Algae Othe rage Chlorine Othe rage Othorine Othe rage Othorine Othe rage Othorine Othe rage Stains	sampling Results Sample Location: Poor Sample ID: 120 Time Collected 08:4 Total Chlorine (field): Free Chlorine (field): Total Copper (field):	3908.JPG 01 1620-82 40 0 ppm 0 ppm 0 ppm
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential: Floatables: Slight Odor: Easily detected Turbidity: Cloudy Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Petrol. Sheen VOC/Solvent Litter Inhibited Green Flow Line Corrosion	Field Follow-up Suds Sew Musty Sew Fishy Sulfu Debris Sedi Excessive Brown Oil Rust Paint Othe	Office Follow-up rage Algae Othe rage Chlorine Othe rage Othorine Othe rage Othorine Othe rage Othorine Othe rage Stains	o20120620073 Sampling Results Sample Location: Poor Sample ID: 120 Time Collected 08:4 Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field):	3908.JPG 01 0620-82 40 0 ppm 0 ppm 0 ppm 6 ppm
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential: Floatables: Slight Odor: Easily detected Turbidity: Cloudy Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment	Petrol. Sheen VOC/Solvent Litter Inhibited Green Flow Line Corrosion	Field Follow-up Suds Sew Musty Sew Fishy Sulfu Debris Sedi Excessive Brown Oil Rust Paint Othe	Office Follow-up rage Algae Othe rage Chlorine Othe rage Othorine Othe rage Othorine Othe rage Othorine Othe rage Stains	o20120620073 Sampling Results Sample Location: Poor Sample ID: 120 Time Collected 08:4 Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field):	3908.JPG DI 1620-82 40 0 ppm 0 ppm 0 ppm 6 ppm 6.61 units
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential: Floatables: Slight Odor: Easily detected Turbidity: Cloudy Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None	eterminate n): 10 al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Green Flow Line Corrosion Natural Sheen	Field Follow-up Suds Sew Musty Sew Fishy Sulfu Debris Sedi Excessive Brown Oil Rust Paint Othe	Office Follow-up rage Algae Othe rage Chlorine Othe rage Othorine Othe rage Othorine Othe rage Othorine Othe rage Stains	o20120620073 Sampling Results Sample Location: Poc Sample ID: 120 Time Collected 08:4 Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): Temperature (field):	3908.JPG ol 1620-82 40 ol ppm ol ppm ol ppm ol ppm for ppm
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential: Floatables: Slight Odor: Easily detected Turbidity: Cloudy Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: Severe Depth (in)	eterminate n): 10 al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Green Flow Line Corrosion Natural Sheen	Field Follow-up Suds Sew Musty Sew Fishy Sulfu Debris Sedi Excessive Brown Oil Rust Paint Othe	Office Follow-up rage Algae Othe rage Chlorine Othe rage Othorine Othe rage Othorine Othe rage Othorine Othe rage Stains	o20120620073 Sampling Results Sample Location: Poor Sample ID: 120 Time Collected 08:4 Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field):	3908.JPG DI 1620-82 40 0 ppm 0 ppm 0 ppm 6 ppm 6.61 units

Outfall ID: 02-322 US1

Inspection Date: 10/4/2011 8:21:1	9 AM Inspector:	JCW Inspection Type: Repeat	Previous Rainfall (hrs): 72+
Flow Description: Submerged, ind	eterminate Notes:	Follow-up inspection to re-test pH.	The state of the s
Submerged: Partially Depth (in): 4	Significant leaf debris.	
Illicit Discharge Potential: Potenti	al	Field Follow-up Office Follow-	-up
Floatables: None	Petrol. Sheen	Suds Sewage Algae	Other
Odor: None	Petroleum	. ,	Other
Turkidiku. Nana	VOC/Solvent	Fishy Sulfur Fragrant	The second second
Turbidity: None			o20111004082134.JPG
Color: None]] [] [:u []	Debuie	
Gross Solids: None		Debris Sediment Other	Sampling Results
Vegetation: None		Excessive	Sample Location: Pool
Benthic Growth: None		Brown	Sample ID:
Stains: None	_ = =	Oil Rust Stains Paint Other	Time Collected 08:20
Non-illiaite Non-	_		Total Chlorine (field): ppm Free Chlorine (field): ppm
Non-illicit: None	Natural Sheen	☐ Natural Suds/Foam	Total Copper (field): ppm
Physical Condition Assessment —			Ammonia (field): ppm
Graffiti: None Erosion: None			pH (field): 5.24 units
Deposition: None Depth (in): 0		Temperature (field): 60 °F Conductivity (field): uS/cm
Demons None —	cement Undercut	Crushed	Conductivity (field): μS/cm Detergents: mg/L
Corros	=	ructural Damage	Phenol: mg/L
		-	
Inspection Date: 10/3/2011 10:16:	21 AM Inspector:	JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Inspection Date: 10/3/2011 10:16: Flow Description: Submerged, ind		JCW Inspection Type: Ongoing Significant buildup of leaves in pool. Hi	Previous Rainfall (hrs): 72+
Inspection Date: 10/3/2011 10:16: Flow Description: Submerged, ind Submerged: Partially Depth (i	eterminate Notes:	JCW Inspection Type: Ongoing Significant buildup of leaves in pool. Hi measured pH.	ISAN MARKATAN AND AND AND AND AND AND AND AND AND A
Flow Description: Submerged, ind	eterminate Notes:	Significant buildup of leaves in pool. Hi	gh
Flow Description: Submerged, ind Submerged: Partially Depth (i	eterminate Notes:	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up	gh
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti	eterminate Notes: in): 8 al Petrol. Sheen	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up Guds Sewage Algae Musty Sewage Chlorine	gh -up
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	eterminate Notes: in): 8 al Petrol. Sheen	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up Office Follow- Suds Sewage Algae	-up Other
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: Faint Turbidity: None	Notes: Notes: Notes: Petrol. Sheen Petroleum VOC/Solvent	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up Guds Sewage Algae Musty Sewage Chlorine	-up Other Other
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: Faint Turbidity: None Color: Faint in bottle	Reterminate In): 8 al Petrol. Sheen Petroleum VOC/Solvent Brown	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up Office Follow- Suds Sewage Algae Musty Sewage Chlorine Fishy Sulfur Fragrant	egh Other Other Other
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: Faint Turbidity: None Color: Faint in bottle Gross Solids: None	reterminate Notes: in): 8 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up	-up Other Other Sampling Results
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Notes:	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up Office Follow- Suds Sewage Algae Musty Sewage Chlorine Fishy Sulfur Fragrant Debris Sediment Other Excessive	ozo111003101336.JPG Sampling Results Sample Location: Pool
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	reterminate Notes: Notes: Notes: Notes: Petrol. Sheen Petroleum VOC/Solvent Shown Litter Inhibited Green	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up	ozo111003101336.JPG Sampling Results Sample Location: Pool Sample ID: 111003-21
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	reterminate In): 8 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up Office Follow- Suds Sewage Algae Musty Sewage Chlorine Fishy Sulfur Fragrant Debris Sediment Other Excessive	ozo111003101336.JPG Sampling Results Sample Location: Pool
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	reterminate In): 8 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up	ozo111003101336.JPG Cother C
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	reterminate Notes: in): 8 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line Corrosion	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up	-up Other Other Sampling Results Sample Location: Pool Sample ID: 111003-21 Time Collected 10:15 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: Faint Turbidity: None Color: Faint in bottle Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment	reterminate Notes: in): 8 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line Corrosion	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up	o20111003101336.JPG Sampling Results Sample Location: Pool Sample ID: 111003-21 Time Collected 10:15 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: Faint Turbidity: None Color: Faint in bottle Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment	reterminate Notes: in): 8 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line Corrosion	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up	-up Other Other Sampling Results Sample Location: Pool Sample ID: 111003-21 Time Collected 10:15 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm pH (field): 5.21 units
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	reterminate In): 8 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line Corrosion Natural Sheen	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up	o20111003101336.JPG Sampling Results Sample Location: Pool Sample ID: 111003-21 Time Collected 10:15 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: Faint Turbidity: None Color: Faint in bottle Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in	reterminate In): 8 al Petrol. Sheen Petroleum VOC/Solvent Brown Litter Inhibited Green Flow Line Corrosion Natural Sheen	Significant buildup of leaves in pool. Hi measured pH. Field Follow-up	-up Other Other Sampling Results Sample Location: Pool Sample ID: 111003-21 Time Collected 10:15 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm pH (field): 5.21 units Temperature (field): 61 °F

Outfall ID: 02-322 US1

Inspection Date: 5/10	0/2011 8:44:00 AM Inspe	ector: JCW	Inspection Type:	Other	Previous Rainfall (hrs):	0-24
Flow Description: Sub Submerged: Partially	pmerged, indeterminate No Depth (in):		eening conducted escreening.	d for upstream		V
Illicit Discharge Potenti	al: Unlikely	☐ Field Follow	v-up 🗌 Of	fice Follow-up		
Floatables: None Odor:	Petrol. Sh	n Musty	Sewage C	gae Othernlorine Othernagrant		N 144
Turbidity:					020110510084	410 IPG
Color:					020110310004	410.5FG
Gross Solids: None	Litter	Debris	Sediment (Other	Sampling Results	
Vegetation:	Inhibited	Excessive			Sample Location:	
Benthic Growth:	Green	Brown			Sample ID:	
Stains:	☐ Flow Line	Oil	Rust Stains		Time Collected	
	Corrosion	Paint _	Other		Total Chlorine (field):	ppm
Non-illicit: None		neen	Suds/Foam		Free Chlorine (field):	<i>ppm</i>
Physical Condition As					Total Copper (field):	ppm
	36331116111				Ammonia (field):	<i>ppm</i>
Graffiti: None					pH (field):	units
Erosion: None	Denth (in)				Temperature (field):	° <i>F</i>
Deposition: None	Depth (in): 0	_			Conductivity (field):	μS/cm
Damage: None		ercut 🗌 Crus			Detergents:	mg/L
	Corrosion Crac	cks/Structural Dama	age		Phenol:	mg/L

Outfall ID: 03-22

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Elliptical

Material:

CMP

City ID:

N/A

Drainage Basin:

Nebraska St

Dimensions

Diameter (in):

Height/Depth (in): 36

Width (in):

Mapping Precison:

Desktop mapping estimate

✓ Not Physically Located



o20130731114428.JPG

Outfall Notes:

Storm sewer from Nebraska St discharges to river from south. Outfall not located - pipe info from MS4

County Coordinates: Latitude/Longitude:

44.01364 Northing: 471,751 Latitude: Easting: 792,375 Longitude: -88.54039



Inspection	Date:	7/31/2013 12:40:0	4 PM Ins	spector:	JCW	Inspecti	on Type:	Ongoing		Previous Rainfall (hrs):	72+	
Flow Descr	iption:	Submerged (not	located)	Notes:		creening foll				1		
Submerged	: Fully	Depth (in):			i. Outfall sci iross solids		pstream at 0 am mh.	13-22	Out	fal	and the
Illicit Disch	arge Pot	ential: Potentia	I		Field Fo	ollow-up	O ₁	ffice Follow-	up	NZ		
Floatables:	None		Petrol.	Sheen _	Suds	Sewag	e 🗌 Al	gae 🔲 (Other	. INC		
Odor:	None		Petrole	um 🗌	Musty	Sewag	je 🗌 Cl	hlorine 🔲 (Other	Loca	te	O A
			UOC/S	olvent [Fishy	Sulfur	Fr	agrant			97/81/	2013 12*46
Turbidity:	None											
Color:	None									020130731114	1434.JI	$^{\circ}G$
Gross Solids	s: Non	е	Litter		Debris	Sedim	ent 🗌	Other		Sampling Results———		
Vegetation:	Non	е	Inhibite	d 🗌	Excessive	е				Sample Location:		
Benthic Gro	wth: Non	е	Green		Brown					Sample ID:		
Stains:	Non	е	☐ Flow Li	ne 🗌	Oil	Rust S	tains			Time Collected		
			Corrosi	on 🗌	Paint	Other				Total Chlorine (field):		ppm
Non-illicit:	Non	е	☐ Natural	Sheen	☐ Natu	ral Suds/Fo	am			Free Chlorine (field):		ppm
- Physical	Condition	Assessment —								Total Copper (field):		ppm
'										Ammonia (field):		ppm
Graffiti:	Non	_								pH (field):		units
Erosion:	Non	_								Temperature (field):		°F
Depositio		- 1 ()								Conductivity (field):		μS/cm
Damage:	Non	e 🗌 Displac	ement 🗌 U	ndercut		Crushed				Detergents:		mg/L
		Corrosi	on 🗌 C	racks/St	ructural D	amage				Phenol:		mg/L

Inspection Date: 9/27/2012 9:26:54 AM Inspector: JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: Submerged (not located) Notes: Outfall fully submerged; screened upstream	
Submerged: Fully Depth (in): at 03-22 US1.	- Outfall
Illicit Discharge Potential: Potential	Not A
Floatables: None	
Odor: None Petroleum Musty Sewage Chlorine Other	er Located
Turbidity: None Color: None VOC/Solvent Fishy Sulfur Fragrant VOC/Solvent Fishy Sulfur Fragrant	020120927082846.JPG
Gross Solids: None	┌ Sampling Results
Vegetation: None Inhibited Excessive	Sample Location:
Benthic Growth: None Green Brown	Sample ID:
	Time Collected
Stains: None Flow Line Oil Rust Stains Corrosion Paint Other	
	Total Chlorine (field): ppm Free Chlorine (field): ppm
Non-illicit: None Natural Sheen Natural Suds/Foam	Total Copper (field): ppm
Physical Condition Assessment	Ammonia (field): ppm
Graffiti: None	pH (field): units
Erosion: None Depth (in):	Temperature (field): °F
Demonstration Name	Conductivity (field): μS/cm
Displacement Undercut Crushed	Detergents: mg/L
	_
Corrosion Cracks/Structural Damage	Phenol: mg/L
	_
Corrosion Cracks/Structural Damage	Phenol: mg/L
Corrosion Cracks/Structural Damage Inspection Date: 6/20/2012 9:22:09 AM Inspector: JCW Inspection Type: Other	Phenol: mg/L
Inspection Date: 6/20/2012 9:22:09 AM Inspector: JCW Inspection Type: Other Flow Description: Submerged (not located) Notes: Gross solids pre-screening.	Phenol: mg/L
Inspection Date: 6/20/2012 9:22:09 AM Inspector: JCW Inspection Type: Other Flow Description: Submerged (not located) Submerged: Fully Depth (in): Illicit Discharge Potential: Potential	Phenol: mg/L Previous Rainfall (hrs): 24-48
Inspection Date: 6/20/2012 9:22:09 AM	Phenol: mg/L Previous Rainfall (hrs): 24-48 er
Corrosion Cracks/Structural Damage	Phenol: mg/L Previous Rainfall (hrs): 24-48 er
Corrosion Cracks/Structural Damage	Phenol: mg/L Previous Rainfall (hrs): 24-48 er
Corrosion Cracks/Structural Damage	Phenol: mg/L Previous Rainfall (hrs): 24-48 er
Corrosion Cracks/Structural Damage	Phenol: mg/L Previous Rainfall (hrs): 24-48 er er
Inspection Date: 6/20/2012 9:22:09 AM	Phenol: mg/L Previous Rainfall (hrs): 24-48 er er er
Corrosion Cracks/Structural Damage	Phenol: mg/L Previous Rainfall (hrs): 24-48 er er er o20120620082248.JPG Sampling Results
Corrosion Cracks/Structural Damage	Previous Rainfall (hrs): 24-48 Previous Rainfall (hrs): 24-48 er er er o20120620082248.JPG Sampling Results Sample Location:
Corrosion Cracks/Structural Damage	Phenol: mg/L Previous Rainfall (hrs): 24-48 er er er ozo120620082248.JPG Sampling Results Sample Location: Sample ID:
Inspection Date: 6/20/2012 9:22:09 AM	Previous Rainfall (hrs): 24-48 Previous Rainfall (hrs): 24-48 er er er Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm
Corrosion Cracks/Structural Damage	Previous Rainfall (hrs): 24-48 Previous Rainfall (hrs): 24-48
Corrosion Cracks/Structural Damage	Previous Rainfall (hrs): 24-48 Previous Rainfall (hrs): 24-48
Corrosion Cracks/Structural Damage	Previous Rainfall (hrs): 24-48 Previous Rainfall (hrs): 24-48
Corrosion Cracks/Structural Damage	Previous Rainfall (hrs): 24-48 Previous Rainfall (hrs): 24-48 Previous Rainfall (hrs): 24-48 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units Temperature (field): °F
Corrosion Cracks/Structural Damage	Previous Rainfall (hrs): 24-48 Previous Rainfall (hrs): 24-48

Inspection Date: 10/11/2011 9:03:10 AM Inspector: JCW Inspection	Type: Ongoing Previous Rainfall (hrs): 72+
Flow Description: Submerged (not located) Notes: 2010 screening follow-	
Submerged: Fully Depth (in): submerged and not ph Outfall screened upstro	
Illicit Discharge Potential: Potential Field Follow-up	☐ Office Follow-up
Floatables: None Petrol. Sheen Suds Sewage	☐ Algae ☐ Other
Odor: None Petroleum Musty Sewage	☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur	Fragrant 10/11/2011 08:02
Turbidity: None	o20111011090250.JPG
Color: None	Complian Booths
Gross Solids: None Litter Debris Sediment	
Vegetation: None Inhibited Excessive	Sample Location:
Benthic Growth: None Green Brown	Sample ID:
Stains: None Flow Line Oil Rust Stair Corrosion Paint Other	
	Total Chlorine (field): ppm Free Chlorine (field): ppm
Non-illicit: None Natural Sheen Natural Suds/Foam	Total Copper (field): ppm
Physical Condition Assessment	Ammonia (field): ppm
Graffiti: None Erosion: None	pH (field): units
Deposition: None Depth (in): 0	Temperature (field): °F Conductivity (field): uS/cm
Damage: None Displacement Undercut Crushed	Conductivity (field): μS/cm Detergents: mg/L
Corrosion Cracks/Structural Damage	Phenol: mg/L
	-
	Type: Ongoing Previous Rainfall (hrs): 72+
Inspection Date: 8/18/2010 10:26:01 AM Inspector: JCW Inspection Flow Description: Submerged (not located) Notes: Outfall fully submerged	ed and not physically
Inspection Date: 8/18/2010 10:26:01 AM Inspector: JCW Inspection Flow Description: Submerged (not located) Notes: Outfall fully submerged	71 0 0
Inspection Date: 8/18/2010 10:26:01 AM Inspector: JCW Inspection Flow Description: Submerged (not located) Submerged: Fully Depth (in):	ed and not physically
Inspection Date: 8/18/2010 10:26:01 AM Inspector: JCW Inspection Flow Description: Submerged (not located) Submerged: Fully Depth (in): White is Provided to the Potential Potential Submerged: US1.	ed and not physically ened upstream at 03-22
Inspection Date: 8/18/2010 10:26:01 AM Inspector: JCW Inspection Flow Description: Submerged (not located) Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Inspector: JCW Inspection Notes: Outfall fully submerged located. Outfall screen US1. Field Follow-up	ed and not physically ened upstream at 03-22 Office Follow-up
Inspection Date: 8/18/2010 10:26:01 AM Inspector: JCW Inspection Flow Description: Submerged (not located) Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Sewage Odor: None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur	ed and not physically ened upstream at 03-22 Office Follow-up Algae Other
Inspection Date: 8/18/2010 10:26:01 AM Inspector: JCW Inspection Flow Description: Submerged (not located) Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Odor: None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur	ed and not physically ened upstream at 03-22 Office Follow-up Algae Other Chlorine Other Fragrant
Inspection Date: 8/18/2010 10:26:01 AM Inspector: JCW Inspection Flow Description: Submerged (not located) Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Sewage Odor: None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur Turbidity: None Color: None	ed and not physically ened upstream at 03-22 Office Follow-up Algae Other Chlorine Other Fragrant 020100818101918.JPG
Inspection Date: 8/18/2010 10:26:01 AM	ed and not physically ened upstream at 03-22 Office Follow-up Algae Other Chlorine Other Fragrant O20100818101918.JPG The Sampling Results
Inspection Date: 8/18/2010 10:26:01 AM	ed and not physically ened upstream at 03-22 Office Follow-up Algae Other Chlorine Other Fragrant 020100818101918.JPG
Inspection Date: 8/18/2010 10:26:01 AM	ed and not physically ened upstream at 03-22 Office Follow-up Algae Other Chlorine Other Fragrant Other Sampling Results Sample Location: Sample ID:
Inspection Date: 8/18/2010 10:26:01 AM	ed and not physically ened upstream at 03-22 Office Follow-up Algae Other Chlorine Other Fragrant Other Sampling Results Sample Location: Sample ID: Time Collected
Inspection Date: 8/18/2010 10:26:01 AM	ed and not physically ened upstream at 03-22 Office Follow-up Algae Other Chlorine Other Fragrant Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm
Inspection Date: 8/18/2010 10:26:01 AM	ed and not physically ened upstream at 03-22 Office Follow-up Algae Other Chlorine Other Fragrant Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm
Inspection Date: 8/18/2010 10:26:01 AM	ed and not physically ened upstream at 03-22 Office Follow-up Algae Other Chlorine Other Fragrant Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm
Inspection Date: 8/18/2010 10:26:01 AM Inspector: JCW Inspection Flow Description: Submerged (not located) Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Sewage Odor: None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur Turbidity: None Gross Solids: None Litter Debris Sediment Vegetation: None Green Brown Stains: None Flow Line Oil Rust Stair Corrosion Paint Other Non-illicit: None Natural Sheen Natural Suds/Foam Physical Condition Assessment Graffiti: None	ed and not physically ened upstream at 03-22 Office Follow-up Algae Other Chlorine Other Fragrant Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units
Inspection Date: 8/18/2010 10:26:01 AM Inspector: JCW Inspection Flow Description: Submerged (not located) Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Sewage Odor: None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur Turbidity: None Color: None Litter Debris Sediment Vegetation: None Green Brown Stains: None Flow Line Oil Rust Stain Corrosion Paint Other Non-illicit: None Natural Sheen Natural Suds/Foam Physical Condition Assessment Graffiti: None Erosion: None	ed and not physically ened upstream at 03-22 Office Follow-up Algae Other Chlorine Other Fragrant Ozo100818101918.JPG Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units Temperature (field): °F
Inspection Date: 8/18/2010 10:26:01 AM Inspector: JCW Inspection Flow Description: Submerged (not located) Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Sewage Odor: None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur Turbidity: None Gross Solids: None Litter Debris Sediment Vegetation: None Green Brown Stains: None Green Brown Stains: None None Natural Sheen Natural Suds/Foam Physical Condition Assessment Graffiti: None Erosion: None Flow Line Natural Sheen Natural Suds/Foam Physical Condition Assessment Graffiti: None Erosion: None	ed and not physically ened upstream at 03-22 Office Follow-up Algae Other Chlorine Other Fragrant Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units

Inspection Da	te: 9/10/20	009 I	nspector:	JCW	Inspect	ion Type:	Initial	Previous Rainfall (hrs):	72+	
Flow Descript	ion: Subme	erged, indeterminate	Notes:						-	500
Submerged: F	Fully	Depth (in):								-
Illicit Discharg	ge Potential:	Potential		Field Fo	ollow-up	Of	ffice Follow-up			
Floatables: No	one	☐ Petrol	Sheen	Suds	Sewa	ge 🗌 Al	gae 🗌 Oth	ner San		
Odor: No	one	Petrol	eum Solvent	Musty Fishy	Sewag	_	nlorine 🗌 Oth agrant	ner	1	
Turbidity: No	one								1/	0.2008/09:47
Color: No	one							Osh09_DSCN6	765.JI	PG
Gross Solids:	None	Litter		Debris	Sedim	ent 🗌 (Other	Sampling Results		
Vegetation:	None	Inhibit	ed 🔲	Excessiv	е			Sample Location:		
Benthic Growth	n: None	Green		Brown				Sample ID:		
Stains:	None	☐ Flow L	ine 🗌	Oil	Rust 9	Stains		Time Collected		
		☐ Corros	sion 🗌	Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None	☐ Natura	l Sheen	☐ Natu	ral Suds/Fo	am		Free Chlorine (field):		ppm
- Physical Col	ndition Asses	ssment —						Total Copper (field):		ppm
Graffiti:	None	ionioni.						Ammonia (field):		ppm
								pH (field):		units
Erosion:	None	Donath (in).						Temperature (field):		°F
Deposition:	None	Depth (in): 0						Conductivity (field):		μS/cm
Damage:	None	Displacement	Jndercut		Crushed			Detergents:		mg/L
		Corrosion	Cracks/Str	ructural D	amage			Phenol:		mg/L

Outfall ID: 03-22 US1

Major Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-22

Drainage Basin:

Nebraska St

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

■ Not Physically Located



o20130731114604.JPG

Outfall Notes:

Upstream catchbasin located approx 55 ft S of outfall 03-22. Intermediate area consists of open space.

County Coordinates: Latitude/Longitude:

Northing: 471,694 Latitude: 44.01348 Easting: 792,376 Longitude: -88.54038

Location Map



Inspection Date: 7/31/2013 12:42:35 PM Inspector: **JCW** Inspection Type: Ongoing Previous Rainfall (hrs): 72+ Flow Description: Submerged, indeterminate Notes: 2012 screening follow-up. Significant gross solids - similar to previous years. Submerged: Fully Depth (in): 44 Illicit Discharge Potential: **Potential** Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Faint Odor: Petroleum Musty ✓ Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130731114610.JPG Color: Faint in bottle Brown Gross Solids: Severe ✓ Litter Debris Sediment Other Sampling Results Inhibited Vegetation: None Excessive Sample Location: Pool Benthic Growth: None Green Brown Sample ID: 130731-01 Stains: None Rust Stains Time Collected 12:42 Flow Line Oil Corrosion Paint Other Total Chlorine (field): 0 ppm Free Chlorine (field): mqq Non-illicit: None □ Natural Sheen □ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment Ammonia (field): ppm Graffiti: None pH (field): 7.95 units Erosion: None Temperature (field): 76 ۰F Deposition: None Depth (in): Conductivity (field): 450 μS/cm Damage: None ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 03-22 US1

Inspection Date: 9/27/2012 9:27:4	5 AM Inspector:	JCW Inspe	ection Type: Ongoir	ng	Previous Rainfall (hrs)	: 72+
Flow Description: Submerged, ind	eterminate Notes:	2011 gross solid	ds follow-up.		1	
Submerged: Fully Depth (i	n): 39					
Illicit Discharge Potential: Potentia	al	Field Follow-up	Office Foll	low-up		
Floatables: None	Petrol. Sheen	Suds Sev	wage 🗌 Algae	Other		
Odor: None	Petroleum	Musty Sev	wage Chlorine	Other		
	☐ VOC/Solvent ☐	Fishy Sul	fur Fragrant			mercula min
Turbidity: None]				02012092708	2922 JPG
Color: None		5 \Box 0		,		
Gross Solids: Severe			diment Other		Sampling Results	-1
Vegetation: None		Excessive			Sample Location: Poo	
Benthic Growth: None		Brown	at Otalia		,	0927-40
Stains: None		Oil ☐ Rus Paint ☐ Oth	st Stains		Time Collected 09:	
N 100 10					Total Chlorine (field): Free Chlorine (field):	0 ppm 0 ppm
Non-illicit: None	Natural Sheen	Natural Suds	/Foam		Total Copper (field):	0 ppm
Physical Condition Assessment —					Ammonia (field):	0 <i>ppm</i>
Graffiti: None Erosion: None					pH (field):	8.32 units
Deposition: None Depth (in)	:				Temperature (field): Conductivity (field):	59 ° F 398 μS/cm
Damasas None	cement Undercut	☐ Crushed			Detergents:	0 mg/L
Corros	_	ructural Damage			Phenol:	mg/L
Inspection Date: 6/20/2012 9:24:1	9 AM Inspector:	JCW Inspe	ection Type: Other		Previous Rainfall (hrs)	: 24-48
Inspection Date: 6/20/2012 9:24:1 Flow Description: Submerged, ind		JCW Inspe			Previous Rainfall (hrs)	: 24-48
•	eterminate Notes:	•			Previous Rainfall (hrs)	: 24-48
Flow Description: Submerged, ind	eterminate Notes:	•		low-up	Previous Rainfall (hrs)	: 24-48
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential	eterminate Notes:	Gross solids pre	e-screening.	low-up	Previous Rainfall (hrs)	: 24-48
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential)	n): 46	Gross solids pre	e-screening.	_ '	Previous Rainfall (hrs)	: 24-48
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: None	eterminate Notes: n): 46 al Petrol. Sheen	Gross solids pre	Office Foll wage Algae wage Chlorine	Other	Previous Rainfall (hrs)	: 24-48
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None	n): 46 Petrol. Sheen	Gross solids pre	Office Foll wage Algae wage Chlorine	Other		
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None	eterminate n): 46 al Petrol. Sheen Petroleum VOC/Solvent	Gross solids pre	o-screening. Office Followage Algae wage Chlorine Ifur Fragrant	Other Other	02012062008	
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe	eterminate Notes: n): 46 al Petrol. Sheen Petroleum VOC/Solvent Litter	Gross solids pre	Office Foll wage Algae wage Chlorine	Other Other	o2012062008 Sampling Results	
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None	eterminate Notes: n): 46 Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited	Gross solids pre	o-screening. Office Followage Algae wage Chlorine Ifur Fragrant	Other Other	o2012062008 Sampling Results——— Sample Location:	
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None	eterminate Notes: n): 46 al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Green	Gross solids pre	e-screening. Office Foll wage Algae wage Chlorine fur Fragrant diment Other	Other Other	o2012062008 Sampling Results Sample Location: Sample ID:	
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None	Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Flow Line	Gross solids pre	e-screening. Office Foll wage Algae wage Chlorine fur Fragrant diment Other	Other Other	o2012062008 Sampling Results Sample Location: Sample ID: Time Collected	
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None	eterminate Notes: n): 46 al Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Flow Line Corrosion	Gross solids pre	e-screening. Office Foll wage Algae wage Chlorine fur Fragrant diment Other st Stains her	Other Other	o2012062008 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field):	2508.JPG
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None	Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Flow Line	Gross solids pre	e-screening. Office Foll wage Algae wage Chlorine fur Fragrant diment Other st Stains her	Other Other	o2012062008 Sampling Results———————————————————————————————————	2508.JPG ppm ppm
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None	eterminate Notes: n): 46 al Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Flow Line Corrosion	Gross solids pre	e-screening. Office Foll wage Algae wage Chlorine fur Fragrant diment Other st Stains her	Other Other	o2012062008 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field):	2508.JPG
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Graffiti: None	eterminate Notes: n): 46 al Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Flow Line Corrosion	Gross solids pre	e-screening. Office Foll wage Algae wage Chlorine fur Fragrant diment Other st Stains her	Other Other	o2012062008 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field):	2508.JPG ppm ppm ppm
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Graffiti: None Erosion: None	eterminate n): 46 al Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Flow Line Corrosion Natural Sheen	Gross solids pre	e-screening. Office Foll wage Algae wage Chlorine fur Fragrant diment Other st Stains her	Other Other	o2012062008 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm ppm ppm ppm units ° F
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in)	eterminate n): 46 al Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Corrosion Natural Sheen	Gross solids pre	e-screening. Office Foll wage Algae wage Chlorine fur Fragrant diment Other st Stains her	Other Other	o2012062008 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field):	ppm ppm ppm ppm ppm units °F µS/cm
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in)	eterminate Notes: n): 46 Petrol. Sheen Petroleum VOC/Solvent Inhibited Flow Line Corrosion Natural Sheen Natural Sheen Cement Undercut	Gross solids pre	e-screening. Office Foll wage Algae wage Chlorine fur Fragrant diment Other st Stains her	Other Other	o2012062008 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm ppm ppm ppm units ° F

Outfall ID: 03-22 US1

Flow Description: Submerged, ind	50 AM Inspector:	JCW Inspecti	on Type: Ongoing	Previous Rainfall (hrs):	72+
Flow Description. Submerged, ind	eterminate Notes:		low-up. No significant		
Submerged: Fully Depth (i	n): 37	change in volume	of floatable debris.		
Illicit Discharge Potential: Potentia	al	Field Follow-up	Office Follow-up	A Section	
Floatables: None	Petrol. Sheen	Suds Sewag	ge Algae Othe	r ()	
Odor: None	Petroleum	Musty Sewag			
Turkidiku. Nan	☐ VOC/Solvent ☐	Fishy Sulfur	Fragrant		M104
Turbidity: None Color: None	<u> </u> 			0201110110904	146.JPG
Gross Solids: Moderate	Litter	Debris Sedim	ent Other	- Sampling Results	
Vegetation: None	Inhibited	Excessive	ent Other	Sample Location: Pool	
Benthic Growth: None	Green	Brown		·	11-09
Stains: None		Oil Rust S	Stains	Time Collected 09:09	
interior interior	Corrosion	Paint Other	, tanio	Total Chlorine (field):	0 ppm
Non-illicit: None	Natural Sheen	☐ Natural Suds/Fo	am	Free Chlorine (field):	0 ppm
Physical Condition Assessment				Total Copper (field):	0 <i>ppm</i>
Graffiti: None				Ammonia (field): pH (field):	0 <i>ppm</i> 3.13 <i>units</i>
Erosion: None				Temperature (field):	70 °F
Deposition: None Depth (in)	: 0			Conductivity (field):	μS/cm
Damage: None Displac	cement Undercut	Crushed		Detergents:	mg/L
Corros	ion Cracks/St	tructural Damage		Phenol:	mg/L
Inspection Date: 5/26/2011 11:19:	00 AM Inspector:	JCW Inspecti	on Type: Other	Previous Rainfall (hrs):	72+
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor:	n):	Limited screening floatable debris. Field Follow-up Suds Sewag Musty Sewag	-		
Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity:	n): al Petrol. Sheen	floatable debris. Field Follow-up Suds Sewag	Office Follow-up		20 190
Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color:	n): al	floatable debris. Field Follow-up Suds Sewag Musty Sewag Fishy Sulfur	Office Follow-up ge Algae Othe ge Chlorine Othe Fragrant	0201105261115	330.JPG
Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Moderate	n): al Petrol. Sheen Petroleum VOC/Solvent Litter	floatable debris. Field Follow-up Suds Sewag Musty Sewag Fishy Sulfur Debris Sedim	Office Follow-up ge Algae Othe ge Chlorine Othe Fragrant	o201105261115 - Sampling Results	330.JPG
Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Moderate Vegetation:	n): al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited	floatable debris. Field Follow-up Suds Sewag Musty Sewag Fishy Sulfur Debris Sedim Excessive	Office Follow-up ge Algae Othe ge Chlorine Othe Fragrant	o2011052611119 - Sampling Results - Sample Location:	330.JPG
Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: Turbidity: Color: Gross Solids: Moderate Vegetation: Benthic Growth:	n): al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Green	floatable debris. Field Follow-up Suds Sewag Musty Sewag Fishy Sulfur Debris Sedim Excessive Brown	Office Follow-up ge Algae Othe ge Chlorine Othe Fragrant ent Other	o201105261118 - Sampling Results - Sample Location: Sample ID:	930.JPG
Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Moderate Vegetation:	n): al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Green Flow Line	floatable debris. Field Follow-up Suds Sewag Musty Sewag Fishy Sulfur Debris Sedim Excessive Brown Oil Rust S	Office Follow-up ge Algae Othe ge Chlorine Othe Fragrant ent Other	o201105261118 Sampling Results Sample Location: Sample ID: Time Collected	
Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: Turbidity: Color: Gross Solids: Moderate Vegetation: Benthic Growth: Stains:	n): al	floatable debris. Field Follow-up Suds Sewag Musty Sewag Fishy Sulfur Debris Sedim Excessive Brown Oil Rust S Paint Other	Office Follow-up ge Algae Othe ge Chlorine Othe Fragrant ent Other	o201105261119 -Sampling Results -Sample Location: Sample ID: Time Collected Total Chlorine (field):	ppm
Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: Turbidity: Color: Gross Solids: Moderate Vegetation: Benthic Growth: Stains: Non-illicit: None	n): al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Green Flow Line	floatable debris. Field Follow-up Suds Sewag Musty Sewag Fishy Sulfur Debris Sedim Excessive Brown Oil Rust S	Office Follow-up ge Algae Othe ge Chlorine Othe Fragrant ent Other	o201105261118 Sampling Results Sample Location: Sample ID: Time Collected	
Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: Turbidity: Color: Gross Solids: Moderate Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Assessment	n): al	floatable debris. Field Follow-up Suds Sewag Musty Sewag Fishy Sulfur Debris Sedim Excessive Brown Oil Rust S Paint Other	Office Follow-up ge Algae Othe ge Chlorine Othe Fragrant ent Other	Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field):	ppm ppm
Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: Turbidity: Color: Gross Solids: Moderate Vegetation: Benthic Growth: Stains: Non-illicit: None - Physical Condition Assessment Graffiti: None	n): al	floatable debris. Field Follow-up Suds Sewag Musty Sewag Fishy Sulfur Debris Sedim Excessive Brown Oil Rust S Paint Other	Office Follow-up ge Algae Othe ge Chlorine Othe Fragrant ent Other	o201105261118 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field):	ppm ppm ppm ppm units
Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: Turbidity: Color: Gross Solids: Moderate Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None	n): al	floatable debris. Field Follow-up Suds Sewag Musty Sewag Fishy Sulfur Debris Sedim Excessive Brown Oil Rust S Paint Other	Office Follow-up ge Algae Othe ge Chlorine Othe Fragrant ent Other	o201105261118 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm ppm ppm units °F
Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: Turbidity: Color: Gross Solids: Moderate Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in)	n): al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Green Corrosion Natural Sheen	floatable debris. Field Follow-up Suds Sewag Musty Sewag Fishy Sulfur Debris Sedim Excessive Brown Oil Rust S Paint Other Natural Suds/Fo	Office Follow-up ge Algae Othe ge Chlorine Othe Fragrant ent Other	o201105261115 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field):	ppm ppm ppm ppm units °F µS/cm
Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: Turbidity: Color: Gross Solids: Moderate Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in)	n): al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Green Corrosion Natural Sheen : 0 cement Undercut	floatable debris. Field Follow-up Suds Sewag Musty Sewag Fishy Sulfur Debris Sedim Excessive Brown Oil Rust S Paint Other Natural Suds/Fo	Office Follow-up ge Algae Othe ge Chlorine Othe Fragrant ent Other	o201105261118 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm ppm ppm units °F

Outfall ID: 03-22 US1

Inspection Date: 8/18/2010 10:29:59 AM Inspector: JCW Inspectio	n Type: Ongoing Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Notes: Severe floatable det	oris in catchbasin.
Submerged: Fully Depth (in): 44	
Illicit Discharge Potential: Potential	Office Follow-up
Floatables: None	e 🗌 Algae 📗 Other
Odor: None Petroleum Musty Sewage	
UVOC/Solvent Fishy Sulfur Turbidity: None	Fragrant
Color: Faint in bottle Brown	o20100818102410.JPG
Gross Solids: Severe ✓ Litter Debris Sedime	ent Other Sampling Results
Vegetation: None	Sample Location: Pool
Benthic Growth: None Green Brown	Sample ID: 100818-83
Stains: None Flow Line Oil Rust St	ains Time Collected 10:32
☐ Corrosion ☐ Paint ☐ Other	Total Chlorine (field): 0 ppm
Non-illicit: None Natural Sheen Natural Suds/Foa	5 011 : (7.15)
Physical Condition Assessment	Total Copper (field): 0 ppm
Graffiti: None	Ammonia (field): 0 ppm pH (field): 7.38 units
Erosion: None	pH (field): 7.38 <i>units</i> Temperature (field): 76 °F
Deposition: None Depth (in): 0	Conductivity (field): µS/cm
Damage: None Displacement Undercut Crushed	Detergents: 0 mg/L
Corrosion Cracks/Structural Damage	Phenol: 0 mg/L
Inspection Date: 9/10/2009 Inspector: JCW Inspection	n Type: Initial Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Notes: Abnormal detergent	analysis result
Flow Description: Submerged, indeterminate Notes: Abnormal detergent	
Flow Description: Submerged, indeterminate Notes: Abnormal detergent	analysis result
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Notes: Abnormal detergent (bubbles). Signification	analysis result nt floatables in manhole. Office Follow-up
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential Floatables: None Odor: None Petroleum Musty Sewage	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Sewage Odor: None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur	analysis result nt floatables in manhole. ☐ Office Follow-up e ☐ Algae ☐ Other
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential Field Follow-up Floatables: None Petrol. Sheen Suds Sewage Odor: None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur Turbidity: None	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Sewage Odor: None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur Turbidity: None Color: None	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other Fragrant Osh09_DSCN6768.JPG
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other Fragrant Osh09_DSCN6768.JPG Other Sampling Results
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential Field Follow-up Floatables: None Petrol. Sheen Suds Sewage Odor: None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur Turbidity: None Color: None Gross Solids: Severe Litter Debris Sedime Vegetation: None Inhibited Excessive	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other Fragrant Osh09_DSCN6768.JPG ent Other Sampling Results Sample Location: Pool
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential Floatables: None Odor: None Petrol. Sheen Suds Sewage VOC/Solvent Fishy Sulfur Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Green Brown	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other Fragrant Osh09_DSCN6768.JPG Other Sampling Results Sample Location: Pool Sample ID: 090910-09
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential Field Follow-up Floatables: None Petrol. Sheen Suds Sewage Odor: None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur Turbidity: None Color: None Gross Solids: Severe Litter Debris Sedime Vegetation: None Inhibited Excessive	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other Fragrant Osh09_DSCN6768.JPG Other Sampling Results Sample Location: Pool Sample ID: 090910-09 Time Collected 09:52
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential Floatables: None Odor: None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Notes: Abnormal detergent (bubbles). Significal Field Follow-up Field Follow-up Field Follow-up Field Follow-up Fishy Sewage VOC/Solvent Fishy Sulfur Litter Debris Sedime Vegetation: None Green Brown Stains: None Flow Line Oil Rust St	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other Fragrant Osh09_DSCN6768.JPG Other Sampling Results Sample Location: Pool Sample ID: 090910-09 Time Collected 09:52 Total Chlorine (field): 0 ppm
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other Fragrant Osh09_DSCN6768.JPG Other Sampling Results Sample Location: Pool Sample ID: 090910-09 Time Collected 09:52 Total Chlorine (field): 0 ppm
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential Floatables: None Odor: None Petrol. Sheen Suds Sewage VOC/Solvent Fishy Sulfur Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None None None None None None None None	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other Fragrant Osh09_DSCN6768.JPG Other Sampling Results Sample Location: Pool Sample ID: 090910-09 Time Collected 09:52 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential Field Follow-up Floatables: None Petrol. Sheen Suds Sewage Odor: None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur Turbidity: None Color: None Gross Solids: Severe Litter Debris Sedime Vegetation: None Inhibited Excessive Benthic Growth: None Green Brown Stains: None Flow Line Oil Rust St Corrosion Paint Other Non-illicit: None Natural Sheen Natural Suds/Foat Physical Condition Assessment Graffiti: None	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other Fragrant Osh09_DSCN6768.JPG Other Sampling Results Sample Location: Pool Sample ID: 090910-09 Time Collected 09:52 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm pH (field): 8.3 units
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential Floatables: None Odor: None Petrol. Sheen Suds Sewage VOC/Solvent Fishy Sulfur Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None None- None- None- None- Rust Stains: None Physical Condition Assessment Graffiti: None Graffiti: None Erosion: None	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other Fragrant Osh09_DSCN6768.JPG Other Sampling Results Sample Location: Pool Sample ID: 090910-09 Time Collected 09:52 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm pH (field): 8.3 units Temperature (field): 75 °F
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential Floatables: None Odor: None Petrol. Sheen Suds Sewage VOC/Solvent Fishy Sulfur Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None None None None None None Petroleum Musty Sewage VOC/Solvent Fishy Sulfur Fishy Sulfur Fishy Sedime Vegetation: None Green Brown Stains: None Flow Line Oil Rust St Corrosion Paint Other Non-illicit: None Natural Sheen Natural Suds/Foat Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Deposition: None Deposition: None Depth (in): 0	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other Fragrant Osh09_DSCN6768.JPG Other Sampling Results Sample Location: Pool Sample ID: 090910-09 Time Collected 09:52 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm pH (field): 8.3 units Temperature (field): 75 °F Conductivity (field): µS/cm
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 44 Illicit Discharge Potential: Potential Floatables: None Odor: None Petrol. Sheen Suds Sewage VOC/Solvent Fishy Sulfur Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None None	analysis result nt floatables in manhole. Office Follow-up Algae Other Chlorine Other Fragrant Osh09_DSCN6768.JPG Other Sampling Results Sample Location: Pool Sample ID: 090910-09 Time Collected 09:52 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm pH (field): 8.3 units Temperature (field): 75 °F

Outfall ID: 03-35

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

South Main St

- Dimensions

Diameter (in): Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

30

✓ Not Physically Located



o20130731113308.JPG

Outfall Notes:

Storm sewer from S Main St discharges to river from south. Outfall not located - pipe info from MS4 map.

County Coordinates: Latitude/Longitude:

Northing: 471,413 Latitude: 44.01271 Easting: 793,066 Longitude: -88.53776



Inspection Date: 7/3	31/2013 12:30:28 PM Ins	pector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Description: Su Submerged: Fully	Depth (in):	located.	eening follow-up. Ou Outfall screened up oss solids in upstren	stream at 03-35	Outl	all
Illicit Discharge Poten	tial: Potential	Field Foll	low-up	fice Follow-up	No	The same of the sa
Floatables: None	Petrol. S	Sheen Suds	Sewage Alg	gae 🗌 Other		
Odor: None	☐ Petroleu			nlorine Other	Loca	ted .
Turbidity: None Color: None	☐ VOC/Sc	olvent Fishy	Sulfur Fra	agrant	020130731113	304.JPG
Gross Solids: None		Debris	Sediment 0	Other –	Sampling Results	
Vegetation: None Benthic Growth: None	☐ Inhibited			Striot	Sample Location: Sample ID:	
Stains: None	Flow Lir	ne Oil	Rust Stains Other		Time Collected Total Chlorine (field):	ppm
Non-illicit: None	☐ Natural	Sheen Natura	al Suds/Foam		Free Chlorine (field):	ppm
Physical Condition A. Graffiti: None Erosion: None	ssessment				Total Copper (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm units °F
Deposition: None	Depth (in):				Conductivity (field):	μS/cm
Damage: None		ndercut	rushed Image		Detergents: Phenol:	mg/L mg/L

Flow Description: Submerged (not located) Submerged: Fully Depth (in): Notes: Outfall fully submerged; screened upstream at 03-35 US1.	
Submerged: Fully Depth (in): at 03-35 US1.	
Outsinerged. I uny Deptit (iii).	Outfall
Illicit Discharge Potential: Potential	Not
Floatables: None	NOL
Odor: None Petroleum Musty Sewage Chlorine Other	Locat ed
UVOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant ☐ Turbidity: None	AND THE SELECTION
Color: None	o20120927081506.JPG
Gross Solids: None	ng Results
Vegetation: None □ Inhibited □ Excessive Sample	e Location:
Benthic Growth: None Green Brown Sampl	e ID:
Stains: None	Collected
☐ Corrosion ☐ Paint ☐ Other Total C	Chlorine (field): ppm
Tradicial Global Tradicial Global Gall	Chlorine (field): ppm
Physical Condition Assessment	Copper (field): ppm
Graffiti: None pH (fie	nia (field): ppm eld): units
Francisco None	erature (field): °F
Deposition: None Depth (in):	ictivity (field): μS/cm
Damage: None Displacement Undercut Crushed Deterg	gents: mg/L
Corrosion Cracks/Structural Damage Pheno	l: <i>mg/</i> L
Inspection Date: 6/20/2012 9:06:10 AM Inspector: JCW Inspection Type: Other Previous	ous Rainfall (hrs): 24-48
Flow Description: Submerged (not located) Notes: Gross solids pre-screening.	
Submerged: Fully Depth (in):	Outfall
Illicit Discharge Potential: Potential	Not
Floatables: None	
Odor: None	Located
□ VOC/Solvent □ Fishy □ Sulfur □ Fragrant	08/20/2012 09:08
Turbidity: None	o20120620080844.JPG
Color: None	
	ng Results———————————————————————————————————
Benthic Growth: None Green Brown Sampl	
	Collected
Commercian Deint Dother	Chlorine (field): ppm
	Chlorine (field): ppm
— Physical Condition Assessment	Copper (field): ppm
Ammo	onia (field): ppm
pir (ne	,
Denocition, None Death (in)	
Population Hono Dopti (iii).	
Democratic Name —	
Denocitions None Denth (in)	erature (field): °F uctivity (field): µS/cm
Oondu	

Inspection Date:	10/11/2011 9:36:0	3 AM Inspec	ctor: JCW	Inspection Type: Ong	joing	Previous Rainfall (hrs):	/2+
Flow Description	: Submerged (not	located) No		reening follow-up. Outfall			
Submerged: Fully	Depth (in):		screened upstream at 03-3		Outf	all f
Illicit Discharge F	otential: Potentia	I	☐ Field Fo	ollow-up Office F	ollow-up	NA	
Floatables: None		Petrol. Shee	en 🗌 Suds	☐ Sewage ☐ Algae	Other		
Odor: None		Petroleum VOC/Solvei	☐ Musty	Sewage Chlorine Sulfur Fragran		Loca	(CO)
Turbidity: None			1 1311y				minore and
Color: None						0201110110932	254.JPG
Gross Solids: N	one	Litter	Debris	Sediment Other	_;	Sampling Results———	
Vegetation: N	one	Inhibited	Excessive	e		Sample Location:	
Benthic Growth: N	one	Green	Brown			Sample ID:	
Stains: N	one	☐ Flow Line	Oil	Rust Stains		Time Collected	
		Corrosion	Paint	Other		Total Chlorine (field):	<i>ppm</i>
Non-illicit: N	one	☐ Natural She	en 🗌 Natu	ral Suds/Foam		Free Chlorine (field):	ppm
Physical Condit	ion Assessment —					Total Copper (field): Ammonia (field):	ppm
Graffiti: N	one					pH (field):	ppm units
Erosion: N	one					Temperature (field):	°F
I '	one Depth (in):	0				Conductivity (field):	μS/cm
Damage: N	one 🗌 Displac	ement 🗌 Under	rcut 🗌 C	Crushed		Detergents:	mg/L
	Corrosi	on Crack	s/Structural D	amage		Phenol:	mg/L
Inspection Date:	8/18/2010 9:27:46	AM Inspec	ctor: JCW	Inspection Type: Ong	joing	Previous Rainfall (hrs):	72+
-	8/18/2010 9:27:46 : Submerged (not		tes: Outfall	fully submerged and not pl	hysically	Previous Rainfall (hrs):	72+
-	: Submerged (not	located) No	tes: Outfall	1 31 0	hysically	Previous Rainfall (hrs):	
Flow Description	Submerged (not l	located) No	tes: Outfall located	fully submerged and not pl Outfall screened upstrea	hysically		
Flow Description Submerged: Fully	Submerged (not l	located) No	tes: Outfall located US1.	fully submerged and not pl Outfall screened upstrea	hysically am at 03-35		
Flow Description Submerged: Fully Illicit Discharge F	Submerged (not l	located) No	tes: Outfall located US1.	fully submerged and not pl Outfall screened upstrea Ollow-up Sewage Algae Sewage Chlorine	hysically am at 03-35 Follow-up Other		
Flow Description Submerged: Fully Illicit Discharge F Floatables: None Odor: None	Submerged (not l	located) No): I Petrol. Shee	tes: Outfall located US1. Field Form Suds Musty	fully submerged and not pl Outfall screened upstrea ollow-up	hysically am at 03-35 Follow-up Other		
Flow Description Submerged: Fully Illicit Discharge F Floatables: None Odor: None Turbidity: None	Submerged (not l	located) No): I Petrol. Sheet Petroleum	tes: Outfall located US1. Field Form Suds Musty	fully submerged and not pl Outfall screened upstrea Ollow-up Sewage Algae Sewage Chlorine	hysically am at 03-35 Follow-up Other	Outf No Loca	ted
Flow Description Submerged: Fully Illicit Discharge F Floatables: None Odor: None Turbidity: None Color: None	: Submerged (not l	Petroleum VOC/Solver	tes: Outfall located US1. Field Form Suds Musty Musty Tishy	fully submerged and not plant of the control of the	hysically the at 03-35 Follow-up Other e Other	Outf No Loca 0201008180922	ted
Flow Description Submerged: Fully Illicit Discharge F Floatables: None Odor: None Turbidity: None Color: None Gross Solids: N	: Submerged (not land) Depth (in Potential: Potential)	Petrol. Sheet VOC/Solver	tes: Outfall located US1. Field Form Suds Musty Fishy Debris	fully submerged and not plead to the control of the	hysically m at 03-35 Follow-up Other e Other	Outf No Loca o20100818092	ted
Flow Description Submerged: Fully Illicit Discharge F Floatables: None Odor: None Turbidity: None Color: None Gross Solids: N Vegetation: N	: Submerged (not land) Depth (in Potential: Potential one one	Petrol. Sheet Petroleum VOC/Solver Litter Inhibited	tes: Outfall located US1. Field Form Suds Musty Fishy Debris Excessive	fully submerged and not plot. Outfall screened upstreated by the control of the c	hysically am at 03-35 Follow-up Other e Other	Outf No No 0201008180922 Sampling Results Sample Location:	ted
Flow Description Submerged: Fully Illicit Discharge F Floatables: None Odor: None Turbidity: None Color: None Gross Solids: N Vegetation: N Benthic Growth: N	: Submerged (not land) / Depth (in Potential: Potential: Potential: one one one	Petrol. Sheet Petroleum VOC/Solver Litter Inhibited Green	tes: Outfall located US1. Field Form Suds Musty Fishy Debris Excessive	fully submerged and not plead of the control of the	hysically m at 03-35 Follow-up Other te Other	Outf No No 201008180922 Sampling Results Sample Location: Sample ID:	ted
Flow Description Submerged: Fully Illicit Discharge F Floatables: None Odor: None Turbidity: None Color: None Gross Solids: N Vegetation: N Benthic Growth: N	: Submerged (not land) Depth (in Potential: Potential one one	Petrol. Sheet Petroleum VOC/Solver Litter Inhibited	tes: Outfall located US1. Field Form Suds Musty Fishy Debris Excessive	fully submerged and not plot. Outfall screened upstreated by the control of the c	hysically m at 03-35 Follow-up Other e Other	Outf No No 0201008180922 Sampling Results Sample Location:	ted
Flow Description Submerged: Fully Illicit Discharge F Floatables: None Odor: None Turbidity: None Color: None Gross Solids: N Vegetation: N Benthic Growth: N Stains: N	: Submerged (not land) / Depth (in Potential: Potential: Potential: one one one	Petrol. Sheet Petroleum VOC/Solver Litter Inhibited Green Flow Line	tes: Outfall located US1. Field Form Suds Musty Fishy Debris Excessive Brown Oil Paint	fully submerged and not plot. Outfall screened upstreated by the control of the c	hysically m at 03-35 Follow-up Other te Other	o201008180922 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field):	204.JPG
Flow Description Submerged: Fully Illicit Discharge F Floatables: None Odor: None Turbidity: None Color: None Gross Solids: N Vegetation: N Benthic Growth: N Stains: N	c: Submerged (not land) Depth (in land) Potential: Potential one one one one one one one	Petrol. Sheet Petroleum VOC/Solver Litter Inhibited Green Flow Line Corrosion	tes: Outfall located US1. Field Form Suds Musty Fishy Debris Excessive Brown Oil Paint	fully submerged and not plead to the control of the	hysically m at 03-35 Follow-up Other e Other	Outf No	eall t Led 204.JPG ppm ppm ppm
Flow Description Submerged: Fully Illicit Discharge F Floatables: None Odor: None Turbidity: None Color: None Gross Solids: N Vegetation: N Benthic Growth: N Stains: N Non-illicit: N Physical Condit	c: Submerged (not land) Depth (in land) Potential: Potential one one one one one one one on	Petrol. Sheet Petroleum VOC/Solver Litter Inhibited Green Flow Line Corrosion	tes: Outfall located US1. Field Form Suds Musty Fishy Debris Excessive Brown Oil Paint	fully submerged and not plead to the control of the	hysically m at 03-35 Follow-up Other e Other	Outf No	204.JPG ppm ppm ppm ppm ppm
Flow Description Submerged: Fully Illicit Discharge F Floatables: None Odor: None Turbidity: None Color: None Gross Solids: N Vegetation: N Benthic Growth: N Stains: N Non-illicit: N - Physical Condit Graffiti: N	c: Submerged (not land) Depth (in Potential: Potential	Petrol. Sheet Petroleum VOC/Solver Litter Inhibited Green Flow Line Corrosion	tes: Outfall located US1. Field Form Suds Musty Fishy Debris Excessive Brown Oil Paint	fully submerged and not plead to the control of the	hysically m at 03-35 Follow-up Other e Other	Outf Outf Occor O201008180922 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field):	eall t Led 204.JPG ppm ppm ppm
Flow Description Submerged: Fully Illicit Discharge F Floatables: None Odor: None Turbidity: None Color: None Gross Solids: N Vegetation: N Benthic Growth: N Stains: N Non-illicit: N Fhysical Condit Graffiti: N Erosion: N Deposition: N	c: Submerged (not land) Depth (in land) Depth	Petrol. Sheet Petroleum VOC/Solver Litter Inhibited Green Flow Line Corrosion Natural Sheet	tes: Outfall located US1. Field Form Suds Musty Fishy Debris Excessive Brown Oil Paint	fully submerged and not plead to the control of the	hysically m at 03-35 Follow-up Other e Other	Outf No	ppm ppm ppm ppm ppm ppm units
Flow Description Submerged: Fully Illicit Discharge F Floatables: None Odor: None Turbidity: None Color: None Gross Solids: N Vegetation: N Benthic Growth: N Stains: N Non-illicit: N Fhysical Condit Graffiti: N Erosion: N Deposition: N	c: Submerged (not land) Depth (in Potential: Potential	Petrol. Sheet Petroleum VOC/Solver Litter Inhibited Green Flow Line Corrosion Natural Sheet Other Under	tes: Outfall located US1. Field Form Suds Musty Fishy Debris Excessive Brown Oil Paint een Natur	fully submerged and not plane. Outfall screened upstreason outfall screened upstreason outfall screened upstreason outfall screened upstreason outfall screened	hysically m at 03-35 Follow-up Other e Other	Outformal Control of the Control of	ppm

Inspection	Date: 9/10	/2009	Inspector: JC	W Inspe	ction Type: In	nitial	Previous Rainfall (hrs):	72+
Flow Descri Submerged	•	merged (not located) Depth (in):		ated. Óutfall:	nerged and not screened upstr	. , ,	Outi	fall
Illicit Disch	narge Potentia	al: Potential	Fie	ld Follow-up	Office	e Follow-up	No	nt.
Floatables:	None	Petro	ol. Sheen 🗌 Su	ds Sew	age 🗌 Algae	e Other		
Odor:	None			sty Sew			Loca	ted
Turbidity:	None		/Solvent Fis	hy Sulf	ur 🗌 Fragi	ant		N. 70 Step 20 15
Color:	None						Osh09_DSCN6	6761.JPG
Gross Solid	ls: None	Litte	r Debi	ris Sedi	ment Oth	ier	Sampling Results———	
Vegetation:	None	Inhib	ited Exce	essive			Sample Location:	
Benthic Gro	wth: None	Gree	en 🗌 Brow	vn			Sample ID:	
Stains:	None	Flow	Line	Rus	Stains		Time Collected	
		☐ Corre	osion 🗌 Pain	t Othe	er		Total Chlorine (field):	<i>ppm</i>
Non-illicit:	None	☐ Natu	ral Sheen 🔲 I	Natural Suds/F	oam		Free Chlorine (field):	<i>ppm</i>
Physical	Condition Ass	essment ————			7		Total Copper (field):	<i>ppm</i>
Graffiti:	None						Ammonia (field): pH (field):	ppm
Erosion:	None						Temperature (field):	units °F
Depositio		Depth (in): 0					Conductivity (field):	υF μS/cm
Damage:		Displacement	Undercut	Crushed			Detergents:	μ3/c/// mg/L
		Corrosion	Cracks/Structu		<u> </u>		Phenol:	mg/L mg/L

Outfall ID: 03-35 US1

Major Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-35

Drainage Basin:

South Main St

─ Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130731113340.JPG

Outfall Notes:

Upstream manhole located approx 20 ft WSW of outfall 03-35. Intermediate area consists of open space.

County Coordinates: Latitude/Longitude:

Northing: 471,408 Latitude: 44.01270 Easting: 793,047 Longitude: -88.53783

Location Map



Inspection Date: 7/31/2013 12:31:00 PM Inspector: **JCW** Inspection Type: Ongoing Previous Rainfall (hrs): 72+ Flow Description: Submerged, indeterminate Notes: 2012 screening follow-up. Significant gross solids. Similar to previous years. Submerged: Fully Depth (in): 33 Illicit Discharge Potential: **Potential** Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130731113346.JPG Color: Faint in bottle Brown Gross Solids: Severe ✓ Litter Debris Sediment Other Sampling Results Inhibited Vegetation: None Excessive Sample Location: Pool Benthic Growth: None Green Brown Sample ID: 130731-40 Stains: Moderate Rust Stains Time Collected ✓ Flow Line Oil 12:28 Corrosion Paint Other Total Chlorine (field): 0 ppm Free Chlorine (field): mqq Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment Ammonia (field): ppm Graffiti: None pH (field): 8.47 units Erosion: None Temperature (field): 75 ۰F Deposition: None Depth (in): 425 Conductivity (field): μS/cm Damage: None Displacement Undercut Crushed Detergents: 0 mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 03-35 US1

Inspection Date: 9/27/2012 9:13:5	4 AM Inspector: JC	CW Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: Submerged, ind	eterminate Notes: 20	11 gross solids follow-up.	
Submerged: Fully Depth (i	n): 31		
Illicit Discharge Potential: Potenti	al Fie	eld Follow-up	
Floatables: None	Petrol. Sheen Su	ds Sewage Algae Oth	ner Carlo
Odor: None		usty 🔲 Sewage 🔲 Chlorine 🗌 Oth	ner A A A A A A A A A A A A A A A A A A A
Turbidity: None	☐ VOC/Solvent ☐ Fis	shy Sulfur Fragrant	and the state of t
Color: None			o20120927081522.JPG
Gross Solids: Severe	_ ☐ ☑ Litter ☐ Deb	ris Sediment Other	
Vegetation: None	-	essive	Sample Location: Pool
Benthic Growth: None	Green Brow		Sample ID: 120927-22
Stains: Slight	Flow Line Oil	Rust Stains	Time Collected 09:12
<u>o.i.g.i.t</u>	Corrosion Pain		Total Chlorine (field): 0 ppm
Non-illicit: None	Natural Sheen	Natural Suds/Foam	Free Chlorine (field): 0 ppm
☐ Physical Condition Assessment —			Total Copper (field): 0 ppm
Graffiti: None			Ammonia (field): 0 ppm
Erosion: None			pH (field): 8.42 <i>units</i> Temperature (field): 59 °F
Deposition: Minor Depth (in	: 3		Conductivity (field): 723 µS/cm
Damage: None 🗌 Displa	cement Undercut	Crushed	Detergents: 0 mg/L
Corros	sion Cracks/Structu	ural Damage	Phenol: mg/L
Inspection Date: 6/20/2012 9:08:1		71	Previous Rainfall (hrs): 24-48
Flow Description: Submerged, ind	eterminate Notes: Gr	Inspection Type: Other coss solids pre-screening.	Previous Rainfall (hrs): 24-48
Flow Description: Submerged, ind Submerged: Fully Depth (i	eterminate Notes: Gr	71	Previous Rainfall (hrs): 24-48
Flow Description: Submerged, ind	eterminate Notes: Gr	71	Previous Rainfall (hrs): 24-48
Flow Description: Submerged, ind Submerged: Fully Depth (i	eterminate Notes: Gr	ross solids pre-screening.	
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potenti	eterminate Notes: Gr n): 39 al Fie Petrol. Sheen Su	ross solids pre-screening.	ner .
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None	eterminate Notes: Gr n): 39 al Fie Petrol. Sheen Su	ross solids pre-screening. eld Follow-up ds	ner .
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None	eterminate Notes: Gr n): 39 al Fie Petrol. Sheen Su Retroleum Mu	ross solids pre-screening. eld Follow-up ds	ner ner
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None	eterminate n): 39 al	ross solids pre-screening. eld Follow-up	o20120620080918.JPG
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 39 al	ross solids pre-screening. eld Follow-up	eer o20120620080918.JPG Sampling Results
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 39 al	ross solids pre-screening. eld Follow-up	o20120620080918.JPG Sampling Results Sample Location:
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 39 al	ross solids pre-screening. eld Follow-up	o20120620080918.JPG Sampling Results Sample Location: Sample ID:
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 39 al	ross solids pre-screening. eld Follow-up	o20120620080918.JPG Sampling Results Sample Location: Sample ID: Time Collected
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 39 al	ross solids pre-screening. eld Follow-up	o20120620080918.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 39 al	ross solids pre-screening. eld Follow-up	o20120620080918.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 39 al	ross solids pre-screening. eld Follow-up	o20120620080918.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment — Graffiti: None	eterminate n): 39 al	ross solids pre-screening. eld Follow-up	o20120620080918.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment — Graffiti: None Erosion: None	eterminate n): 39 al	ross solids pre-screening. eld Follow-up	sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): vnits Temperature (field): °F
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 39 al	ross solids pre-screening. eld Follow-up	sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): ppm Conductivity (field): °F Conductivity (field): µS/cm
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 39 al	ross solids pre-screening. eld Follow-up	sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): vinits Temperature (field): °F

Outfall ID: 03-35 US1

Inspection Date: 10/11/2011 9:29:50	0 AM Inspector:	JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indet		2010 screening follow-up. Floatable det	oris
Submerged: Fully Depth (in)): 19	still present. Slight petroleum sheen.	
Illicit Discharge Potential: Potential		Field Follow-up Office Follow-	up
Floatables: Severe	✓ Petrol. Sheen	Suds Sewage Algae	Other
Odor: None		,	Other
Tout Sitters Name	☐ VOC/Solvent ☐	Fishy Sulfur Fragrant	
Turbidity: None			o20111011092832.JPG
Color: None Gross Solids: Severe	✓ Litter □ D	Debris Sediment Other	_ Sampling Results —
Vegetation: None		xcessive	Sample Location: Pool
Benthic Growth: None		rown	Sample ID: 111011-55
Stains: None	Flow Line O		Time Collected 09:30
Stairis.		eaint Other	
Non-illicit: None	Natural Sheen	Natural Suds/Foam	Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm
	Ivaturai Sileeii	Natural Suus/i Oaiii	Total Copper (field): 0 ppm
Physical Condition Assessment —			Ammonia (field): 0 ppm
Graffiti: None Erosion: None			pH (field): 8.01 units
Deposition: None Depth (in):	0		Temperature (field): 71 ° F Conductivity (field): μS/cm
Damage: None Displace	ement Undercut	Crushed	Detergents: - mg/L
☐ Corrosic		ictural Damage	Phenol: mg/L
Inspection Date: 5/26/2011 11:23:00	0 AM Inspector:	JCW Inspection Type: Other	Previous Rainfall (hrs): 72+
Inspection Date: 5/26/2011 11:23:00 Flow Description: Submerged, indet		Limited screening conducted to check for	
•	terminate Notes:	1 71	
Flow Description: Submerged, indet	terminate Notes:	Limited screening conducted to check for	or
Flow Description: Submerged, indet Submerged: Fully Depth (in)	terminate Notes:	Limited screening conducted to check for floatable debris. Field Follow-up	or
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential	terminate Notes: Petrol. Sheen Petroleum	Limited screening conducted to check for floatable debris. Field Follow-up	up up
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor:	terminate Notes: Petrol. Sheen Petroleum	Limited screening conducted to check for floatable debris. Field Follow-up	up Other
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity:	terminate Notes: Petrol. Sheen Petroleum	Limited screening conducted to check for floatable debris. Field Follow-up	up Other Other
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color:	retrminate Notes: Petrol. Sheen Petroleum VOC/Solvent	Limited screening conducted to check for floatable debris. Field Follow-up	or up Other Other 020110526112400.JPG
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Severe	reterminate Notes: Petrol. Sheen Petroleum VOC/Solvent Litter D	Limited screening conducted to check for floatable debris. Field Follow-up	up Other Other Ozon Sampling Results
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Severe Vegetation:	reterminate Notes: Petrol. Sheen Petroleum VOC/Solvent Inhibited E	Limited screening conducted to check for floatable debris. Field Follow-up	or up Other Other Sampling Results Sample Location:
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Severe Vegetation: Benthic Growth:	reterminate Notes: Petrol. Sheen Petroleum VOC/Solvent Inhibited Green B	Limited screening conducted to check for floatable debris. Field Follow-up	up Other Other Sampling Results Sample Location: Sample ID:
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Severe Vegetation:	terminate Notes: Petrol. Sheen Petroleum VOC/Solvent Inhibited EGreen BGFlow Line O	Limited screening conducted to check for floatable debris. Field Follow-up	or up Other Other Sampling Results Sample Location: Sample ID: Time Collected
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Severe Vegetation: Benthic Growth: Stains:	reterminate Notes: Petrol. Sheen Petroleum VOC/Solvent Inhibited Green B Flow Line Corrosion P	Limited screening conducted to check for floatable debris. Field Follow-up	or up Other Other Construction Constructi
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Severe Vegetation: Benthic Growth: Stains: Non-illicit: None	terminate Notes: Petrol. Sheen Petroleum VOC/Solvent Inhibited EGreen BGFlow Line O	Limited screening conducted to check for floatable debris. Field Follow-up	or up Other Other Construction Constructi
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Severe Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Assessment	reterminate Notes: Petrol. Sheen Petroleum VOC/Solvent Inhibited Green B Flow Line Corrosion P	Limited screening conducted to check for floatable debris. Field Follow-up	or up Other Other Construction Constructi
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Severe Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Assessment Graffiti: None	reterminate Notes: Petrol. Sheen Petroleum VOC/Solvent Inhibited Green B Flow Line Corrosion P	Limited screening conducted to check for floatable debris. Field Follow-up	ozo110526112400.JPG Cother Other Other Other Cother Coth
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Severe Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None	reterminate Notes: Petrol. Sheen Petroleum VOC/Solvent Inhibited Green B Flow Line Corrosion Natural Sheen	Limited screening conducted to check for floatable debris. Field Follow-up	ozo110526112400.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): vnits Temperature (field): °F
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Severe Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in):	terminate Notes: Petrol. Sheen Petroleum Noc/Solvent Noc/Solvent Sheen Benow Since Notes:	Limited screening conducted to check for floatable debris. Field Follow-up	ozo110526112400.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): ppm conductivity (field): °F Conductivity (field): µS/cm
Flow Description: Submerged, indet Submerged: Fully Depth (in) Illicit Discharge Potential: Potential Floatables: None Odor: Turbidity: Color: Gross Solids: Severe Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None	terminate Notes: Petrol. Sheen Petroleum VOC/Solvent Inhibited End Green Berlow Line Corrosion Peroneum Natural Sheen Undercut Dement Undercut	Limited screening conducted to check for floatable debris. Field Follow-up	ozo110526112400.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): vnits Temperature (field): °F

Outfall ID: 03-35 US1

Inspection Date: 8/18/2010 9:32:0	6 AM Inspector: JCW	Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: Submerged, ind	eterminate Notes: Severe f	floatable debris in catchbasin.	
Submerged: Fully Depth (i	n): 34		
Illicit Discharge Potential: Potentia	☐ Field Fol	llow-up Office Follow-up	
Floatables: None	Petrol. Sheen Suds	Sewage Algae Othe	er
Odor: Faint		Sewage Chlorine Othe	er Name of the second of the s
Turbidity: None	☐ VOC/Solvent ☐ Fishy	Sulfur Fragrant	A Property of the
Color: Faint in bottle	Brown		o20100818092304.JPG
Gross Solids: Severe	Litter Debris	Sediment Other	Sampling Results
Vegetation: None	☐ Inhibited ☐ Excessive		Sample Location: Pool
Benthic Growth: None	Green Brown		Sample ID: 100818-77
Stains: None	☐ Flow Line ☐ Oil	Rust Stains	Time Collected 09:30
	Corrosion Paint	Other	Total Chlorine (field): 0 ppm
Non-illicit: None	☐ Natural Sheen ☐ Natura	al Suds/Foam	Free Chlorine (field): 0 ppm
Physical Condition Assessment —			Total Copper (field): 0 ppm
Graffiti: None			Ammonia (field): 0.5 ppm pH (field): 7.46 units
Erosion: None			Temperature (field): 73 °F
Deposition: None Depth (in)	: 0		Conductivity (field): µS/cm
Damage: None Displac	cement Undercut C	rushed	Detergents: 0 mg/L
☐ Corros	ion Cracks/Structural Da	amage	Phenol: 0 mg/L
Inspection Date: 9/10/2009	Inspector: JCW	Inspection Type: Initial	Previous Rainfall (hrs): 72+
Flow Description: Submerged, ind	eterminate Notes: Abnorma	al detergent analysis result	
•	eterminate Notes: Abnorma		
Flow Description: Submerged, ind	n): 33 Notes: Abnormation (bubbles)	al detergent analysis result s). Significant floatables in manhole	
Flow Description: Submerged, ind Submerged: Fully Depth (i	n): 33 Notes: Abnormate (bubbles	al detergent analysis result s). Significant floatables in manhole	
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential	Notes: Abnormate (bubbles) al Field Fol	al detergent analysis result s). Significant floatables in manhole flow-up Sewage Chlorine Office Othe	er er
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: None	Notes: Abnormation (bubbles) Abnormation (bubbles) Field Fol	al detergent analysis result s). Significant floatables in manhole flow-up	er er
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None	Notes: Abnormation (bubbles) Abnormation (bubbles) Field Fol Petrol. Sheen Suds Petroleum Musty	al detergent analysis result s). Significant floatables in manhole flow-up Sewage Chlorine Office Othe	er er
Flow Description: Submerged, indicated Submerged: Fully Depth (in the submerged of the submerged) Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None	Notes: Abnormation (bubbles) All Field Fold Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy	al detergent analysis result s). Significant floatables in manhole llow-up	Osh09_DSCN6763.JPG
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe	Notes: Abnormation (bubbles an): 33 Field Fold Fold Fold Fold Fold Fold Fold Fo	al detergent analysis result s). Significant floatables in manhole llow-up	Osh09_DSCN6763.JPG Sampling Results
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	Peterminate n): 33 Notes: Abnormation (bubbles) Field Fologous Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy Litter Debris Inhibited Excessive	al detergent analysis result s). Significant floatables in manhole llow-up	Osh09_DSCN6763.JPG Sampling Results Sample Location: Pool
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	reterminate n): 33 Reference Notes: Abnormation (bubbles) Reference Field Fold Reference Petrol. Sheen Suds Reference Musty Reference VOC/Solvent Fishy Reference Petrol. Sheen Debris Reference Brown	al detergent analysis result s). Significant floatables in manhole Sewage	Osh09_DSCN6763.JPG Sampling Results Sample Location: Pool Sample ID: 090910-68
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	Peterminate n): 33 Notes: Abnormation (bubbles) Field Fologous Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy Litter Debris Inhibited Excessive	al detergent analysis result s). Significant floatables in manhole llow-up	Osh09_DSCN6763.JPG Sampling Results Sample Location: Pool Sample ID: 090910-68 Time Collected 09:25
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None	reterminate n): 33 Reference in in its process of the image of the im	al detergent analysis result s). Significant floatables in manhole flow-up	Osh09_DSCN6763.JPG Sampling Results Sample Location: Pool Sample ID: 090910-68
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	reterminate n): 33 Reference in in its process of the image of the im	al detergent analysis result s). Significant floatables in manhole Sewage	Osh09_DSCN6763.JPG Sampling Results Sample Location: Pool Sample ID: 090910-68 Time Collected 09:25 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment	reterminate n): 33 Reference in in its process of the image of the im	al detergent analysis result s). Significant floatables in manhole Sewage	Osh09_DSCN6763.JPG Sampling Results Sample Location: Pool Sample ID: 090910-68 Time Collected 09:25 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Graffiti: None	reterminate n): 33 Reference in in its process of the image of the im	al detergent analysis result s). Significant floatables in manhole Sewage	Osh09_DSCN6763.JPG Sampling Results Sample Location: Pool Sample ID: 090910-68 Time Collected 09:25 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm pH (field): 8.23 units
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None	Notes: Abnormation (bubbles Abnormation (al detergent analysis result s). Significant floatables in manhole Sewage	Osh09_DSCN6763.JPG Sampling Results Sample Location: Pool Sample ID: 090910-68 Time Collected 09:25 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm pH (field): 8.23 units Temperature (field): 73 °F
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in)	Reterminate n): 33 Field Fold Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy Inhibited Excessive Green Brown Flow Line Oil Corrosion Paint Natural Sheen Natural Natural Sheen Natural 10	al detergent analysis result s). Significant floatables in manhole Significant floatables in manhole Sewage	Osh09_DSCN6763.JPG Sampling Results Sample Location: Pool Sample ID: 090910-68 Time Collected 09:25 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm pH (field): 8.23 units Temperature (field): 73 °F Conductivity (field): µS/cm
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in)	Reterminate n): 33 Field Fold Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy Inhibited Excessive Green Brown Flow Line Oil Corrosion Paint Natural Sheen Natural Natural Sheen Corcement Undercut Corcement Corcement	al detergent analysis result s). Significant floatables in manhole llow-up	Osh09_DSCN6763.JPG Sampling Results Sample Location: Pool Sample ID: 090910-68 Time Collected 09:25 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm pH (field): 8.23 units Temperature (field): 73 °F

Outfall ID: 06-829

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Campbell Creek

- Dimensions

Diameter (in): Height/Depth (in): 24

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

(bs/201), op: 28

o20130905082908.JPG

Outfall Notes:

Storm sewer from Josslyn St discharges to stream from west. Exits wall approx 9' north of fence.

County Coordinates: Latitude/Longitude:

Northing: 473,749 Latitude: 44.01911 Easting: 786,270 Longitude: -88.56360



Inspection Date: 9/5/2013	9:25:55 AM Inspec	tor: JCW Insp	ection Type: Ongoing	Previous Rainfall (hrs):	72+
Flow Description: Submerg	ged, indeterminate Not Depth (in): 45	submerged. O	follow-up. Outfall fully utfall screened upstream a coss solids in upstream m		
Illicit Discharge Potential:	Potential	Field Follow-up	Office Follow-u	р	
Floatables: None	Petrol. Shee	en 🗌 Suds 🔃 Se	wage 🗌 Algae 📗 O	other State of the	
Odor: None	Petroleum	☐ Musty ☐ Se	wage Chlorine C	ther	
	☐ VOC/Solver	nt 🗌 Fishy 🔲 Su	fur		
Turbidity: None					A CANADA SA IN MANAGA
Color: None				0201309050829	920.JPG
Gross Solids: None	Litter	☐ Debris ☐ Se	diment Other	Sampling Results	
Vegetation: None	Inhibited	Excessive		Sample Location:	
Benthic Growth: None	Green	Brown		Sample ID:	
Stains: None	☐ Flow Line	Oil Ru	st Stains	Time Collected	
	Corrosion	Paint Otl	ner	Total Chlorine (field):	<i>ppm</i>
Non-illicit: None	Natural She	en Natural Suds	/Foam	Free Chlorine (field):	ppm
	ment —			Total Copper (field):	<i>ppm</i>
Graffiti: None	non,			Ammonia (field):	<i>ppm</i>
Erosion: None				pH (field):	units
	Depth (in):			Temperature (field):	° <i>F</i>
'				Conductivity (field):	μS/cm
Damage: None	Displacement Under			Detergents:	mg/L
	Corrosion Crack	s/Structural Damage		Phenol:	mg/L

Inspection Date: 9/27/2012 12:33:	16 PM Inspector:	JCW Inspection Type: Ongoin	ng Previous Rain	fall (hrs): 72+
Flow Description: Submerged (not	located) Notes:	Outfall fully submerged; screened u	pstream	
Submerged: Fully Depth (i	n):	at 06-829 US1.		Outtal
Illicit Discharge Potential: Potentia	al 🗆	Field Follow-up Office Fol	low-up	Notice
Floatables: None	Petrol. Sheen	Suds Sewage Algae	Other Other	Py.Ot
Odor: None	Petroleum	Musty Sewage Chlorine	Other	ocateo, .
Took life or Nove	☐ VOC/Solvent ☐	Fishy Sulfur Fragrant		A 1/20 III 12:30
Turbidity: None]		020	120927113654.JPG
Color: None Gross Solids: None]]	Debris Sediment Other		
Vegetation: None		Debris	Sampling Resul	
Benthic Growth: None		Brown	Sample ID:	л.
Stains: None		Dil Rust Stains	Time Collected	
Stalls.] = =	Paint Other	Total Chlorine	
Non-illicit: None	Natural Sheen	Natural Suds/Foam	Free Chlorine (` ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
Physical Condition Assessment			Total Copper (f	
Graffiti: None			Ammonia (field	
Erosion: None			pH (field): Temperature (f	units ield): °F
Deposition: None Depth (in)	:		Conductivity (fi	,
Damage: None Displac	cement Undercut	Crushed	Detergents:	mg/L
☐ Corros	ion Cracks/Stru	uctural Damage	Phenol:	mg/L
Inspection Date: 6/13/2012 2:26:3	3 PM Inspector:	JCW Inspection Type: Other	Previous Rain	fall (hrs): 72+
Inspection Date: 6/13/2012 2:26:3 Flow Description: Submerged (not		JCW Inspection Type: Other Gross solids pre-screening.	Previous Rain	fall (hrs): 72+
•	located) Notes:	, , , , ,	Previous Rain	fall (hrs): 72+
Flow Description: Submerged (not	located) Notes:	, , , , ,		fall (hrs): 72+
Flow Description: Submerged (not Submerged: Fully Depth (i	located) Notes:	Gross solids pre-screening.		fall (hrs): 72+
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential)	Notes: n): Petrol. Sheen	Gross solids pre-screening. Field Follow-up	low-up	fall (hrs): 72+
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None	Notes: n): Petrol. Sheen	Gross solids pre-screening. Field Follow-up	low-up	fall (hrs): 72+ Plantal Pocated
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None	Notes: n): Petrol. Sheen	Gross solids pre-screening. Field Follow-up	low-up Other Other	fall (hrs): 72+
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None	Notes: Notes: No	Gross solids pre-screening. Field Follow-up	low-up Other Other	Ocated Not Ocated
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None	Notes: Notes: No	Gross solids pre-screening. Field Follow-up	low-up Other Other	Dullall Mol OCBIEC 120613132730.JPG
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None	Notes: Notes: No	Gross solids pre-screening. Field Follow-up	low-up Other Other Sampling Resul Sample Location	Dullall Mol OCBIEC 120613132730.JPG
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None	Notes: Notes: No	Gross solids pre-screening. Field Follow-up	low-up Other Other Sampling Result Sample Location Sample ID:	20613132730.JPG
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None	Notes: Notes: No	Gross solids pre-screening. Field Follow-up	low-up Other Other Sampling Resul Sample Location	Ocated 120613132730.JPG
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None	Notes: Notes: No	Gross solids pre-screening. Field Follow-up	low-up Other Other Sampling Resul Sample Locatio Sample ID: Time Collected Total Chlorine (Free Chlorine (120613132730.JPG Its In: Ifield): ppm Ifield): ppm
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None	Notes: N	Gross solids pre-screening. Field Follow-up	Other Other Sampling Result Sample Location Sample ID: Time Collected Total Chlorine (Free Chlorine (Total Copper (f	(field): ppm field): ppm
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes: N	Gross solids pre-screening. Field Follow-up	Other Other Sampling Result Sample Location Sample ID: Time Collected Total Chlorine (Free Chlorine (Total Copper (f Ammonia (field)	(field): ppm field): ppm ield): ppm
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None None-illicit: None Physical Condition Assessment	Notes: N	Gross solids pre-screening. Field Follow-up	Other Other Sampling Result Sample Location Sample ID: Time Collected Total Chlorine (Free Chlorine (Total Copper (f Ammonia (field pH (field):	(field): ppm field): ppm ield): ppm units
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Graffiti: None	Notes: N	Gross solids pre-screening. Field Follow-up	Other Other Sampling Result Sample Location Sample ID: Time Collected Total Chlorine (Free Chlorine (Total Copper (f Ammonia (field)	(field): ppm field): ppm ield): ppm units ield): °F
Flow Description: Submerged (not Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Graffiti: None Erosion: None Deposition: None Depth (in)	Notes: N	Gross solids pre-screening. Field Follow-up	low-up Other Other Sampling Resul Sample Locatio Sample ID: Time Collected Total Chlorine (Free Chlorine (Total Copper (f Ammonia (field pH (field): Temperature (f	(field): ppm field): ppm ield): ppm units ield): °F

Outfall ID: 06-829 US1

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-831

Drainage Basin:

Campbell Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130905081956.JPG

Outfall Notes:

Upstream manhole located approx 360 ft W of outfall 06-829. Intermediate area consists of multifamily residential and commercial properties. Two downstream manholes not located. High school located immediately upstream.

County Coordinates: Latitude/Longitude:

Northing: 473,756 Latitude: 44.01913 Easting: 785,906 Longitude: -88.56498



Inspection	Date:	9/5/2013 9:16:05	AM Ir	spector:	JCW	Inspection Typ	e: Ongoing	Previous Rainfall (h	rs): 72+	
Flow Descr Submerged:	•	n: Submerged, inde		Notes:		creening follow-up. n manhole - simila	0	s.		
Illicit Disch	arge	Potential: Potentia	1		Field Fo	ollow-up	Office Follow-up			
Floatables:	None)	Petrol.	Sheen	Suds	Sewage	Algae	er (1)		
Odor:	None	9	Petrole	_	Musty		Chlorine Oth	er 🚺 🐪		
Turbidity:	None	9	U VOC/S	olvent	_ Fishy	Sulfur	Fragrant	1	95.000	2013 04-2
Color:	None	9						020130905	5082002.JI	PG
Gross Solids	s: S	Severe	✓ Litter		Debris	Sediment	Other	Sampling Results		
Vegetation:	ı	None	Inhibite	ed 🗌	Excessiv	е		Sample Location:	Pool	
Benthic Gro	wth: I	None	Green		Brown			Sample ID:	130905-6	6
Stains:	(Slight	✓ Flow L	ine 🗌	Oil	Rust Stains		Time Collected	09:16	
			Corros	ion 🗌	Paint	Other		Total Chlorine (field)	: 0	ppm
Non-illicit:	1	None	□ Natura	l Sheen	☐ Natu	ral Suds/Foam		Free Chlorine (field):	0	ppm
	Cond	ition Assessment —	1					Total Copper (field):	0	ppm
Graffiti:		None						Ammonia (field):	0	ppm
Erosion:		None						pH (field):	7.7	units
Depositio		None Depth (in):						Temperature (field):	71	°F
Damage:		None —	_					Conductivity (field):	1666	μS/cm
Damage.	,	Displac	_	Indercut		Crushed		Detergents:	0	mg/L
		Corrosi	on 🔲 C	Cracks/St	ructural D	amage		Phenol:		mg/L

Outfall ID: 06-829 US1

Inspection Date: 9/27/2012 12:28:3	7 PM Inspector: JCW	Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: Submerged, inde	terminate Notes:		
Submerged: Fully Depth (in): 30		FIGURE
Illicit Discharge Potential: Potentia	I ☐ Field F	ollow-up Office Follow-up	
Floatables: None	Petrol. Sheen Suds	Sewage Algae Othe	r
Odor: None	☐ Petroleum ☐ Musty	Sewage Chlorine Othe	r
	☐ VOC/Solvent ☐ Fishy	Sulfur Fragrant	
Turbidity: None			
Color: None			o20120927113044.JPG
Gross Solids: Moderate	✓ Litter	Sediment Other	- Sampling Results
Vegetation: None	☐ Inhibited ☐ Excessiv	ve	Sample Location: Pool
Benthic Growth: None	☐ Green ☐ Brown		Sample ID: 120927-89
Stains: Slight	✓ Flow Line ☐ Oil	Rust Stains	Time Collected 12:26
	☐ Corrosion ☐ Paint	Other	Total Chlorine (field): 0 ppm
Non-illicit: None	☐ Natural Sheen ☐ Natu	ıral Suds/Foam	Free Chlorine (field): 0 ppm
Physical Condition Assessment			Total Copper (field): 0 ppm
Graffiti: None			Ammonia (field): 0 ppm pH (field): 7.72 units
Erosion: None			Temperature (field): 64 ° F
Deposition: None Depth (in):			Conductivity (field): 1583 µS/cm
Damage: None Displac	ement Undercut	Crushed	Detergents: 0 mg/L
☐ Corrosi		Damage	Phenol: mg/L
Inspection Date: 6/13/2012 2:30:25	PM Inspector: JCW	Inspection Type: Other	Previous Rainfall (hrs): 72+
Inspection Date: 6/13/2012 2:30:25 Flow Description: Submerged, inde	terminate Notes: Gross	solids pre-screening. Bottles in	Previous Rainfall (hrs): 72+
•	terminate Notes: Gross	solids pre-screening. Bottles in	Previous Rainfall (hrs): 72+
Flow Description: Submerged, inde	hterminate Notes: Gross manho	solids pre-screening. Bottles in	Previous Rainfall (hrs): 72+
Flow Description: Submerged, inde Submerged: Fully Depth (in Illicit Discharge Potential: Potential	Notes: Gross manho I Field F	solids pre-screening. Bottles in le.	
Flow Description: Submerged, inde Submerged: Fully Depth (in	Notes: Gross manho 1 Field F Petrol. Sheen Suds	solids pre-screening. Bottles in le. ollow-up Office Follow-up Sewage Algae Othe	
Flow Description: Submerged, inde Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None	Notes: Gross manho 1 Field F Petrol. Sheen Suds	solids pre-screening. Bottles in le. ollow-up	
Flow Description: Submerged, inde Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None	Notes: Gross manho 1 Field F Petrol. Sheen Suds Petroleum Musty	solids pre-screening. Bottles in ele. ollow-up	
Flow Description: Submerged, index Submerged: Fully Depth (in Illicit Discharge Potential: Potential Floatables: None Odor: None	Notes: Gross manho 1 Field F Petrol. Sheen Suds Petroleum Musty	solids pre-screening. Bottles in ele. ollow-up	
Flow Description: Submerged, index Submerged: Fully Depth (in Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None	Notes: Gross manho 1 Field F Petrol. Sheen Suds Petroleum Musty	solids pre-screening. Bottles in ele. ollow-up	
Flow Description: Submerged, index Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None	Notes: Gross manho i Field F Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy	solids pre-screening. Bottles in le. ollow-up	o20120613133100.JPG
Flow Description: Submerged, inde Submerged: Fully Depth (in Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe	Notes: Gross manho 1 Field F Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy Litter Debris	solids pre-screening. Bottles in le. ollow-up	o20120613133100.JPG Sampling Results
Flow Description: Submerged, index Submerged: Fully Depth (in Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None	Notes: Gross manho Signature Signature Field F Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy Litter Debris Inhibited Excessiv Green Brown Flow Line Oil	solids pre-screening. Bottles in le. ollow-up	o20120613133100.JPG Sampling Results Sample Location: Pool
Flow Description: Submerged, index Submerged: Fully Depth (in Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: Slight	Notes: Gross manho Field F Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy Litter Debris Inhibited Excessive Green Brown	solids pre-screening. Bottles in le. ollow-up	o20120613133100.JPG Sampling Results Sample Location: Pool Sample ID: 120613-11 Time Collected 14:30 Total Chlorine (field): 0 ppm
Flow Description: Submerged, index Submerged: Fully Depth (in Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: Slight	Notes: Gross manho Field F Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy Litter Debris Inhibited Excessiv Green Brown Flow Line Oil Corrosion Paint	solids pre-screening. Bottles in le. ollow-up	o20120613133100.JPG Sampling Results Sample Location: Pool Sample ID: 120613-11 Time Collected 14:30 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm
Flow Description: Submerged, inder Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: Slight Stains: None	Notes: Gross manho Field F Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy Litter Debris Inhibited Excessiv Green Brown Flow Line Oil Corrosion Paint	solids pre-screening. Bottles in le. ollow-up	o20120613133100.JPG Sampling Results Sample Location: Pool Sample ID: 120613-11 Time Collected 14:30 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm
Flow Description: Submerged, index Submerged: Fully Depth (in Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes: Gross manho Field F Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy Litter Debris Inhibited Excessiv Green Brown Flow Line Oil Corrosion Paint	solids pre-screening. Bottles in le. ollow-up	o20120613133100.JPG Sampling Results Sample Location: Pool Sample ID: 120613-11 Time Collected 14:30 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm
Flow Description: Submerged, index Submerged: Fully Depth (in Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None Physical Condition Assessment	Notes: Gross manho Field F Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy Litter Debris Inhibited Excessiv Green Brown Flow Line Oil Corrosion Paint	solids pre-screening. Bottles in le. ollow-up	o20120613133100.JPG Sampling Results Sample Location: Pool Sample ID: 120613-11 Time Collected 14:30 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm pH (field): 7.58 units
Flow Description: Submerged, index Submerged: Fully Depth (in Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None	Notes: Gross manho Signature Signature Gross manho Field F Petrol. Sheen Suds Signature Suds Signature Suds Signature Signat	solids pre-screening. Bottles in le. ollow-up	o20120613133100.JPG Sampling Results Sample Location: Pool Sample ID: 120613-11 Time Collected 14:30 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm pH (field): 7.58 units Temperature (field): 70 °F
Flow Description: Submerged, index Submerged: Fully Depth (in Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in):	Notes: Gross manho Steeminate Signature Field F Petrol. Sheen Suds	solids pre-screening. Bottles in le. ollow-up	o20120613133100.JPG Sampling Results Sample Location: Pool Sample ID: 120613-11 Time Collected 14:30 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm Ammonia (field): 7.58 units Temperature (field): 70 °F Conductivity (field): 1765 μS/cm
Flow Description: Submerged, index Submerged: Fully Depth (in Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in):	Notes: Gross manho Field F Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy Litter Debris Inhibited Excessiv Green Brown Flow Line Oil Corrosion Paint Natural Sheen Natural Shee	solids pre-screening. Bottles in le. ollow-up	o20120613133100.JPG Sampling Results Sample Location: Pool Sample ID: 120613-11 Time Collected 14:30 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm pH (field): 7.58 units Temperature (field): 70 °F Conductivity (field): 1765 µS/cm

Outfall ID: 06-2241

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Box

Material:

RCP

City ID:

N/A

Drainage Basin:

Campbell Creek

- Dimensions

Diameter (in):

Height/Depth (in): 45

neight/Depth (iii).

Width (in): 10

Mapping Precison:

Mapping GPS

☐ Not Physically Located

01/05/20 18 (18-4)

o20130905075636.JPG

Outfall Notes:

Storm sewer from Knapp St discharges to stream from south. Replaces outfalls 06-15 and 06-560 (2011).

County Coordinates: Latitude/Longitude:

Northing: 473,965 Latitude: 44.01970 Easting: 786,582 Longitude: -88.56241



Inspection	Date:	9/5/2013 8:49:36	AM In	spector:	JCW	Inspection	Туре:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	•	Submerged, inde		Notes:				utfall fully d upstream at 06			
Illicit Discharge Potential: Unlikely			☐ Field Follow-up ☐ Office Follow-up								
Floatables:	None		Petrol.	Sheen	Suds	Sewage	☐ Alg	gae 🗌 Other	A Company		
Odor:	None		Petrole	eum 🗌	Musty	Sewage	Ch	nlorine Other	And the second		
			UOC/S	olvent [Fishy	Sulfur	Fra	agrant		00/08/	2013 08:56
Turbidity:	None								7,69-	A 1	
Color:	None								020130905075	650.JF	PG
Gross Solids	s: Non	ie	Litter		Debris	Sediment	: 🗌 C	Other	Sampling Results———		
Vegetation:	Non	ie	Inhibite	ed 🗌	Excessive	е			Sample Location:		
Benthic Gro	wth: Sev	ere	✓ Green		Brown				Sample ID:		
Stains:	Non	ie	☐ Flow L	ne 🗌	Oil	Rust Stair	ns		Time Collected		
			Corros	ion 🗌	Paint	Other			Total Chlorine (field):		ррт
Non-illicit:	Non	ie	☐ Natura	Sheen	☐ Natu	ral Suds/Foam			Free Chlorine (field):		ррт
– Physical i	 Condition	n Assessment —						Total Copper (field):		ppm	
Graffiti:	Non								Ammonia (field):		ppm
Erosion:	Non	-							pH (field):		units
Depositio									Temperature (field):		°F
Damage:			. — .						Conductivity (field):		μS/cm
Dalliage.	NOI	Displac		Indercut		Crushed			Detergents:		mg/L
		Corrosi	on 🔲 C	Cracks/Str	ructural D	amage			Phenol:		mg/L

Inspection Date: 9/27/2012 12:15:	16 PM Inspector:	JCW Inspection Type: Repeat	Previous Rainfall (hrs): 72+
Flow Description: Submerged, ind	eterminate Notes:	Outfall partially submerged; screened	ANN
Submerged: Partially Depth (i	n): 36	upstream at 06-2241.	
Illicit Discharge Potential: Unlikely	,	Field Follow-up Office Follo	w-up
Floatables: None	Petrol. Sheen	Suds Sewage Algae	Other
Odor: None	Petroleum	Musty Sewage Chlorine	Other
	☐ VOC/Solvent ☐	Fishy Sulfur Fragrant	Marine San James Annie
Turbidity: None			-00100007411000 IPO
Color: None			o20120927111938.JPG
Gross Solids: None	Litter	Debris Sediment Other	Sampling Results
Vegetation: None	☐ Inhibited ☐ I	Excessive	Sample Location:
Benthic Growth: None	Green	Brown	Sample ID:
Stains: None		Oil Rust Stains	Time Collected
	Corrosion L	Paint Other	Total Chlorine (field): ppm
Non-illicit: None	Natural Sheen	Natural Suds/Foam	Free Chlorine (field): ppm Total Copper (field): ppm
Physical Condition Assessment —			Total Copper (field): ppm Ammonia (field): ppm
Graffiti: None			pH (field): units
Erosion: None			Temperature (field): °F
Deposition: None Depth (in)):		Conductivity (field): μS/cm
Damage: None Displa	cement Undercut	Crushed	Detergents: mg/L
Corros	sion Cracks/Str	ructural Damage	Phenol: mg/L
Inspection Date: 6/20/2012 9:50:3	3 AM Inspector:	JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 24-48
Inspection Date: 6/20/2012 9:50:3 Flow Description: Submerged, ind		Outfall partially submerged; screened	
•	eterminate Notes:	1 71 0	
Flow Description: Submerged, ind	eterminate Notes:	Outfall partially submerged; screened	
Flow Description: Submerged, ind Submerged: Fully Depth (i	eterminate Notes:	Outfall partially submerged; screened upstream at 06-2241 US1.	
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potenti	eterminate Notes:	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up Office Follo	w-up
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potenti Floatables: None	eterminate Notes: n): 45 al Petrol. Sheen	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up	w-up Other
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potenti Floatables: None	eterminate Notes: n): 45 al Petrol. Sheen Petroleum	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up Grice Follo Suds Sewage Algae Musty Sewage Chlorine	w-up Other Other
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 45 al Petrol. Sheen Petroleum VOC/Solvent	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up Office Follo Suds Sewage Algae Musty Sewage Chlorine Fishy Sulfur Fragrant	w-up Other Other
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None	eterminate n): 45 al Petrol. Sheen Petroleum VOC/Solvent Litter	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up	w-up Other Other Sampling Results
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None	eterminate Notes: n): 45 al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited I	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up Office Follo Suds Sewage Algae Musty Sewage Chlorine Fishy Sulfur Fragrant	w-up Other Other Sampling Results Sample Location:
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None	eterminate n): 45 al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Green	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up	w-up Other Other Sampling Results Sample Location: Sample ID:
Flow Description: Submerged, ind Submerged: Fully Depth (i Illicit Discharge Potential: Potential Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None	eterminate n): 45 al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Iv Green Flow Line	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up	w-up Other Other Sampling Results Sample Location: Sample ID: Time Collected
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 45 al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Flow Line Corrosion	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up	w-up Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 45 al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Flow Line Corrosion	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up	w-up Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 45 al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Flow Line Corrosion	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up	w-up Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 45 al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Flow Line Corrosion	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up	w-up Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 45 al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Flow Line Corrosion	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up	w-up Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential:	eterminate n): 45 al Petrol. Sheen Petroleum VOC/Solvent Inhibited Flow Line Corrosion Natural Sheen	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up	w-up Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units
Flow Description: Submerged, ind Submerged: Fully Depth (in Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in)	eterminate Notes: n): 45 al	Outfall partially submerged; screened upstream at 06-2241 US1. Field Follow-up	w-up Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units Temperature (field): °F

Inspection Date:	6/13/2012 2:13:03	PM Insp	ector: .	JCW	Inspecti	on Type:	Other		Previous Rainfall (hrs):	72+	
Flow Description	: Submerged, inde	terminate	Notes: (Gross so	olids pre-so	creening.					
Submerged: Full	ly Depth (in): 45									
Illicit Discharge I	Potential: Potentia	ı	F	Field Fol	llow-up	Of	ffice Follow-u	р	1. 1. 1.		
Floatables: None)	Petrol. SI	neen 🗌 S	Suds	Sewag	ge 🗌 Al	gae 🗌 O	ther			
Odor: None)	Petroleur VOC/Sol		Musty Fishy	Sewag	· 🗀 ·	nlorine 🗌 O agrant	ther			2012 14:15
Turbidity: None	;									-	
Color: None)								o20120613131	558.JI	PG
Gross Solids: N	None	Litter	□ De	ebris	Sedim	ent 🗌 (Other	-s	ampling Results———		
Vegetation:	None	Inhibited	☐ Ex	cessive	!			5	Sample Location:		
Benthic Growth: N	Vone	Green	Br	own				5	Sample ID:		
Stains:	None	☐ Flow Line	e 🗌 Oi	I	☐ Rust S	Stains		٦	Fime Collected		
		Corrosion	n 🗌 Pa	aint	Other			٦ ا	Total Chlorine (field):		ррт
Non-illicit:	None	☐ Natural S	heen [Natura	al Suds/Fo	am		F	Free Chlorine (field):		ррт
— Physical Condi	tion Assessment —							٦	Γotal Copper (field):		ppm
								1	Ammonia (field):		ppm
	None							k	oH (field):		units
	None							٦	Temperature (field):		°F
	None Depth (in):							(Conductivity (field):		μS/cm
Damage: N	None Displac	ement 🗌 Un	dercut	□ C	rushed			[Detergents:		mg/L
	Corrosio	on Cra	cks/Struc	ctural Da	amage			F	Phenol:		mg/L

Outfall ID: 06-2241 US1

Major Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

N/A

Drainage Basin:

Campbell Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130905075850.JPG

Outfall Notes:

Upstream manhole located approx 80 ft S of outfall 06-2241. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:
Northing: 473,884 Latitude: 44.01948

Easting: 786,580 Longitude: -88.56242



Inspection	Date:	9/5/2013 8:55:27	AM In	spector:	JCW	Inspection	on Type:	Ongoing	Previous Rainfall (I	nrs): 72+	+
Flow Descr	iption:	Submerged, inde	terminate	Notes:	2012 sc	creening foll	ow-up.				
Submerged:	Fully	Depth (in): 58							7	
Illicit Disch	arge Pot	ential: Unlikely			Field Fo	ollow-up	O	ffice Follow-up			
Floatables:	None		Petrol.	Sheen	Suds	Sewag	e 🗌 Al	gae Othe	er	Q.	
Odor:	None		Petrole	eum 🗌	Musty	Sewag	je 🗌 Cl	hlorine Othe	er		10
			UOC/S	olvent [Fishy	Sulfur	Fr	agrant	SAS.	00/05/	
Turbidity:	None										
Color:	None								02013090	05075900.J	PG
Gross Solids	s: Non	е	Litter		Debris	Sedim	ent 🗌	Other	- Sampling Results -		
Vegetation:	Non	е	Inhibite	ed 🗌	Excessive	е			Sample Location:	Pool	
Benthic Gro	wth: Slig	ht	✓ Green		Brown				Sample ID:	130905-7	76
Stains:	Non	е	☐ Flow Li	ne 🗌	Oil	Rust S	tains		Time Collected	08:55	
			Corrosi	ion 🗌	Paint	Other			Total Chlorine (field): 0	ppm
Non-illicit:	Sligl	ht	✓ Natural	Sheen	☐ Natui	ral Suds/Foa	am		Free Chlorine (field)	: 0	ppm
– Physical i		Assessment —							Total Copper (field):	0	ppm
									Ammonia (field):	0	ppm
Graffiti:	Non	_							pH (field):	7.34	units
Erosion:	Non	-							Temperature (field):	69	°F
Depositio		- 1 ()							Conductivity (field):	438	μS/cm
Damage:	Non	e 🗌 Displac	ement 🗌 L	Indercut		Crushed			Detergents:	0	mg/L
		Corrosi	on 🗌 C	Cracks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 06-2241 US1

Inspection Date: 9/27/2012 12:18:11 PM Inspector: JCW Inspection Type: Repeat	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Notes: Ammonia follow-up. Duckweed in manho	ole.
Submerged: Fully Depth (in): 54	
Illicit Discharge Potential: Unlikely	p
Floatables: None	ther
Odor: None Petroleum Musty Sewage Chlorine O VOC/Solvent Fishy Sulfur Fragrant	ther
Turbidity: None	A/2012 12:23
Color: None	o20120927112310.JPG
Gross Solids: None	Sampling Results
Vegetation: None ✓ Inhibited ☐ Excessive	Sample Location: Pool
Benthic Growth: None Green Brown	Sample ID: 120927-78
Stains: None	Time Collected 12:12
☐ Corrosion ☐ Paint ☐ Other	Total Chlorine (field): 0 ppm
Non-illicit: Slight ✓ Natural Sheen ☐ Natural Suds/Foam	Free Chlorine (field): 0 ppm
Physical Condition Assessment	Total Copper (field): 0 ppm
Graffiti: None	Ammonia (field): 0 ppm
Erosion: None	pH (field): 7.85 <i>units</i> Temperature (field): 63 °F
Deposition: None Depth (in):	Conductivity (field): 497 μS/cm
Damage: None Displacement Undercut Crushed	Detergents: 0 mg/L
☐ Corrosion ☐ Cracks/Structural Damage	Phenol: mg/L
Inspection Date: 6/20/2012 9:54:44 AM Inspector: JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 24-48
Flow Description: Submerged, indeterminate Notes:	Previous Rainfall (hrs): 24-48
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Notes:	
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential Field Follow-up Office Follow-up	p
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Sewage Algae O	p ther
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential	p
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential Floatables: None Odor: None Petroleum Musty Sewage Chlorine O VOC/Solvent Fishy Sulfur Fragrant	p ther
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential	p ther
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Sewage Algae O Odor: None Petroleum Musty Sewage Chlorine O VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None	p ther ther o20120620085526.JPG
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Sewage Algae O Odor: None Petroleum Musty Sewage Chlorine O VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None Litter Debris Sediment Other	p ther ther o20120620085526.JPG Sampling Results
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential	p ther ther sampling Results Sample Location: Pool
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential Floatables: None Odor: None Petrol. Sheen Suds Sewage Algae Odor: None Petroleum Musty Sewage Chlorine VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Vegetation: None Benthic Growth: Slight Notes: Notes: Field Follow-up Office Follow-up Office Follow-up Field Follow-up Office Follow-up Field Follow-up Office Follow-up Field Follow-up Office Follow-up Field Follow-up Office Follow-up Office Follow-up Field Follow-up Office Follow-up Office Follow-up Office Follow-up Office Follow-up Field Follow-up Office Follow-	p ther ther Sampling Results Sample Location: Pool Sample ID: 120620-86
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential	p ther ther sampling Results Sample Location: Pool
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential	p ther ther Sampling Results Sample Location: Pool Sample ID: 120620-86 Time Collected 09:55 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential	potther ther Sampling Results Sample Location: Pool Sample ID: 120620-86 Time Collected 09:55 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm
Flow Description: Submerged, indeterminate Submerged: Fully	potther ther Sampling Results Sample Location: Pool Sample ID: 120620-86 Time Collected 09:55 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0.5 ppm
Flow Description: Submerged, indeterminate Submerged: Fully	potther sampling Results Sample Location: Pool Sample ID: 120620-86 Time Collected 09:55 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0.5 ppm pH (field): 7.77 units
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential	pother ther Sampling Results Sample Location: Pool Sample ID: 120620-86 Time Collected 09:55 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0.5 ppm pH (field): 7.77 units Temperature (field): 81 °F
Flow Description: Submerged, indeterminate Submerged: Fully	potther sampling Results Sample Location: Pool Sample ID: 120620-86 Time Collected 09:55 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0.5 ppm pH (field): 7.77 units
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 60 Illicit Discharge Potential: Potential	pother ther Sampling Results Sample Location: Pool Sample ID: 120620-86 Time Collected 09:55 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0.5 ppm pH (field): 7.77 units Temperature (field): 81 °F Conductivity (field): 632 µS/cm

Outfall ID: 06-2241 US1

Inspection	Date: 6/13/2	2012 2:06:46 PM	Inspector: J	ICW	Inspection Type	: Other	Previous Rainfall (h	rs): 72+	
Flow Descr	iption: Subn	nerged, indeterminate	Notes: C	Gross sol	lids pre-screening		1	-	
Submerged	: Fully	Depth (in): 52					\$1.7		
Illicit Disch	arge Potentia	I: Potential	F	ield Follo	ow-up C	Office Follow-up			
Floatables:	None	☐ Petro	l. Sheen 🗌 S	Suds [Sewage A	lgae Oth	er 💮		9
Odor:	Faint		=	Musty [Chlorine Other	er		
Turbidity:	None						The state of the s	Ob/ 13/	20,18 19,109
Color:	None						020120613	3130900.JF	PG
Gross Solids	s: None	Litter	☐ De	bris [Sediment	Other	Sampling Results		
Vegetation:	None	☐ Inhib	ited Ex	cessive			Sample Location:	Pool	
Benthic Gro	wth: None	Gree	n 🗌 Bro	own			Sample ID:	120613-1	9
Stains:	None	☐ Flow	Line	[Rust Stains		Time Collected	14:08	
		☐ Corre	sion 🗌 Pa	int [Other		Total Chlorine (field)	: 0	ppm
Non-illicit:	Slight	✓ Natu	ral Sheen	Natural	Suds/Foam		Free Chlorine (field):	0	ppm
- Physical	Condition Asse	occmont		_			Total Copper (field):	0	ppm
'		555III C III					Ammonia (field):	3	ppm
Graffiti:	None						pH (field):	7.76	units
Erosion:	None						Temperature (field):	75	°F
Depositio		Depth (in):					Conductivity (field):	1034	μS/cm
Damage:	None	Displacement	Undercut	Cru	ushed		Detergents:	0	mg/L
		☐ Corrosion ☐	Cracks/Struc	tural Dar	mage		Phenol:	0	mg/L

Outfall ID: 12-925

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Packer Ave

Dimensions

Diameter (in): Height/Depth (in):

Width (in):

Mapping Precison:

☐ Not Physically Located



o20130703062722.JPG

Outfall Notes:

Algoma Blvd storm sewer discharges to riprap channel from east.

County Coordinates: Latitude/Longitude: Northing: 44.04995

484,993 Latitude: Easting: 785,032 Longitude: -88.56834



Inspection	Date: 7/3	/2013 7:24:06 /	AM In	spector:	JCW	Inspect	on Type:	Ongoing		Previous Rainfall (h	ırs): 72	+
Flow Descr	iption: Su	bmerged, sligh	t flow	Notes:	Sample	collected t	rom subr	nerged pipe	flow.	1	The same	
Submerged:	Partially	Depth (in): 3								1	1/4
Illicit Disch	arge Potent	tial: Unlikely			Field Fo	ollow-up	_ O	office Follow-	-up			
Floatables:	None		Petrol.	Sheen	Suds	Sewa	ge 🗌 A	lgae 🗌	Other		-	4
Odor:	None		Petrole	um [Musty	Sewa	ge 🗌 C	hlorine	Other			100
			UOC/S	olvent [Fishy	Sulfur	F	ragrant				14012 0212
Turbidity:	None									Action of the	STATE OF THE STATE	YS
Color:	None									o2013070	3062810.	IPG
Gross Solids	s: None		Litter		Debris	Sedim	ent 🗌	Other	Г	Sampling Results —		
Vegetation:	None		Inhibite	d 🗌	Excessive	Э				Sample Location:	Flow	
Benthic Gro	wth: None		✓ Green		Brown					Sample ID:	130703-	86
Stains:	Modera	ate	✓ Flow Li	ne 🗌	Oil	☐ Rust S	Stains			Time Collected	07:31	
			Corrosi	on 🗌	Paint	Other				Total Chlorine (field)	: C	ррт
Non-illicit:	None		☐ Natural	Sheen	☐ Natur	ral Suds/Fo	am			Free Chlorine (field)	: C	ррт
— Physical I	Condition As	ececement —								Total Copper (field):	O	ppm
		ssessment								Ammonia (field):	C	ppm
Graffiti:	None									pH (field):	8.1	units
Erosion:	None	5								Temperature (field):	65	°F
Deposition		Depth (in):								Conductivity (field):	1278	μS/cm
Damage:	None	Displace	ement 🗌 L	Indercut		Crushed				Detergents:	C	mg/L
		Corrosio	on 🗌 C	racks/St	ructural D	amage				Phenol:		mg/L

Outfall ID: 12-925

Inspection	Date: 9/2/2	009 I	nspector: JCW	Inspection Type	e: Initial	Previous Rainfall (hrs):	72+
Flow Descr	iption: Subr	nerged, slight flow		Il partially submerge			100
Submerged	: Partially	Depth (in): 4	upstr	eam at 12-925 US2.	Faint sulfide odor.		
Illicit Disch	arge Potentia	ıl: Unlikely	Field	Follow-up	Office Follow-up		
Floatables:	None	Petrol	. Sheen 🗌 Suds	Sewage	Algae	r	
Odor:	Faint	☐ Petrol	eum 🗌 Musty	/ Sewage	Chlorine Othe	r	dele-
		U VOC/S	Solvent 🗌 Fishy	✓ Sulfur	Fragrant		09.01.2009 17:41
Turbidity:	None						
Color:	None					Osh09_DSCN6	305.JPG
Gross Solid	s: None	Litter	Debris	Sediment	Other	- Sampling Results	
Vegetation:		Inhibit	ed Excess	ive		Sample Location:	
Benthic Gro	wth: Slight	✓ Green	✓ Brown			Sample ID:	
Stains:		☐ Flow L	ine 🗌 Oil	Rust Stains		Time Collected	
		☐ Corros	sion \square Paint	Other		Total Chlorine (field):	ppm
Non-illicit:	None	☐ Natura	al Sheen 🔲 Na	tural Suds/Foam		Free Chlorine (field):	<i>ppm</i>
- Physical	Condition Ass	essment —				Total Copper (field):	<i>ppm</i>
Graffiti:	None	ocomoni				Ammonia (field):	<i>ppm</i>
S S						pH (field):	units
Erosion:	None	5 (1)				Temperature (field):	° <i>F</i>
Depositio		Depth (in): 0				Conductivity (field):	μS/cm
Damage:	None	Displacement	Undercut	Crushed		Detergents:	mg/L
		Corrosion	Cracks/Structural	Damage		Phenol:	mg/L

Outfall ID: 12-1245

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Elliptical

Material:

RCP

City ID: N/A

Drainage Basin:

Fernau Ave

- Dimensions

Diameter (in):

Height/Depth (in): 14

rioigna Dopan (iii).

Width (in): 23

Mapping Precison:

Mapping GPS

☐ Not Physically Located

17 18 / 20 18 09 32

o20130716083202.JPG

Outfall Notes:

Logan Dr storm sewer discharges to drainage swale from north.

County Coordinates: Latitude/Longitude:

Northing: 489,025 Latitude: 44.06102 Easting: 791,350 Longitude: -88.54432



Inspection D	Date: 7/16/2013 9:26:44	I AM Inspector:	JCW Inspecti	on Type: Ongo	ing	Previous Rainfall (hrs):	72+	
Flow Descri	ption: Submerged, no f Partially Depth (ir		Outfall partially subscreened upstream					()
Illicit Discha	arge Potential: Unlikely		Field Follow-up	Office Fo	llow-up		V.	
Floatables:	None	Petrol. Sheen	Suds Sewag	ge 🗌 Algae	Other		y . e.	
Odor:	None	Petroleum	Musty Sewag	ge Chlorine	Other		2	JA.
,	None None	VOC/Solvent	Fishy Sulfur	☐ Fragrant		0201307160832	222.JF	PG
Gross Solids		」 │ ▽ Litter ▽ □	Debris Sedim	ent Other	(Sampling Results———		
Vegetation:	None		Excessive	lent 🗀 Other		Sample Location:		
Ŭ						,		
Benthic Grow	<u> </u>	Green E	Brown			Sample ID:		
Stains:	Slight		Dil Rust S	Stains		Time Collected		
		Corrosion P	Paint Other			Total Chlorine (field):		ppm
Non-illicit:	None	Natural Sheen	Natural Suds/Fo	am		Free Chlorine (field):		ppm
— Physical C	Condition Assessment —					Total Copper (field):		ppm
'						Ammonia (field):		ppm
Graffiti:	None					pH (field):		units
Erosion:	None					Temperature (field):		°F
Deposition	1 ()	2				Conductivity (field):		μS/cm
Damage:	None Displac	ement Undercut	Crushed			Detergents:		mg/L
	Corrosi	on Cracks/Stru	uctural Damage			Phenol:		mg/L

Outfall ID: 12-1245 US1

Minor Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-1245

Drainage Basin:

Fernau Ave

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130716083706.JPG

Outfall Notes:

Upstream curb inlet located approx 50 ft N of outfall 12-1245. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 489,075 Latitude: 44.06116 Easting: 791,351 Longitude: -88.54431



Inspection	Date: 7	/16/2013 9:30:32	2 AM In	spector:	JCW	Inspectio	n Type:	Ongoing	Previous Rainfall (hrs): 72	+
Flow Descr	iption: S	ubmerged, inde	terminate	Notes:							
Submerged:	Partially	Depth (in	n): 8								
Illicit Disch	arge Pote	ntial: Unlikely			Field Fo	ollow-up	O1	ffice Follow-up			
Floatables:	None		Petrol.	Sheen _	Suds	Sewage	Al	gae Othe	er Maria	20	11 3
Odor:	None		☐ Petrole	um 🗌	Musty	Sewage	e 🗌 Cl	hlorine Othe	er Maria		
			UVOC/S	olvent	Fishy	Sulfur	Fr	ragrant		07/16	/2013 09:37
Turbidity:	None								201007		100
Color:	None								0201307	16083712.	IPG
Gross Solids	s: None		Litter		Debris	Sedime	nt 🗌 (Other	Sampling Results		
Vegetation:	None		Inhibite	d 🗌	Excessive	Э			Sample Location:	Pool	
Benthic Gro	wth: None		Green		Brown				Sample ID:	130716-	09
Stains:	None		☐ Flow Li	ne 🗌	Oil	Rust St	ains		Time Collected	09:32	
			Corrosi	on 🗌	Paint	Other			Total Chlorine (field	l): 0	ррт
Non-illicit:	None		☐ Natural	Sheen	☐ Natui	ral Suds/Foa	n		Free Chlorine (field): 0	ppm
– Physical I	Condition A	Assessment —							Total Copper (field)	: 0	ppm
									Ammonia (field):	0	ppm
Graffiti:	None								pH (field):	7.89	
Erosion:	None								Temperature (field)	: 80	°F
Deposition		-1 ()							Conductivity (field):	806	μS/cm
Damage:	None	Displac	ement 🗌 L	Indercut		Crushed			Detergents:	0	mg/L
		Corrosi	on 🗌 C	racks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 12-1261

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Drainage Basin:

Green Valley Rd

- Dimensions

Diameter (in):

Height/Depth (in): 24

Width (in): 38

Mapping Precison:

Mapping GPS

■ Not Physically Located



o20130702073950.JPG

Outfall Notes:

Western Dr storm sewer discharges to concrete channel from east.

County Coordinates: Latitude/Longitude:

Northing: 493,186 Latitude: 44.07243 Easting: 790,312 Longitude: -88.54827

Location Map



Inspection Date: 7/2/2013 8:37:21 AM Inspector: **JCW** Inspection Type: Ongoing Previous Rainfall (hrs): Flow Description: Trickle Notes: Apron sediment wet, but no collectable flow leaving apron. Submerged: None Depth (in): Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130702073956.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results Inhibited Vegetation: None Excessive Sample Location: Flow Benthic Growth: None Green Brown Sample ID: 130702-88 ✓ Flow Line Stains: Moderate Rust Stains Time Collected 08:35 Oil Corrosion Paint Other Total Chlorine (field): 0 ppm Free Chlorine (field): mqq Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): 0 ppm Physical Condition Assessment Ammonia (field): 0 ppm Graffiti: None pH (field): 7.8 units Erosion: None Temperature (field): 69 ۰F Minor Deposition: Depth (in): 2 Conductivity (field): 1094 μS/cm Damage: None ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Phenol: mg/L Corrosion Cracks/Structural Damage

Outfall ID: 12-1414

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Downstream Outfall

Shape:

Pipe - Circular

Material:

PVC

City ID: N/A

Drainage Basin:

Fernau Ave

- Dimensions

Diameter (in): 24
Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702065152.JPG

Outfall Notes:

Eichstadt Rd storm sewer discharges south to Town of Oshkosh via grass channel.

County Coordinates: Latitude/Longitude:

Northing: 489,309 Latitude: 44.06180 Easting: 790,229 Longitude: -88.54858



Inspection D	Date: 7/2/2	2013 7:46:40 AM	Inspector:	JCW I	nspection Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri Submerged:	•	merged, indetermi Depth (in): 14			ally submerged. ostream at 12-14				
Illicit Discha	arge Potentia	ıl: Unlikely		Field Follow	-up 🗌 O	ffice Follow-up		70	3
Floatables:	None		Petrol. Sheen	Suds	Sewage A	lgae 🗌 Othe	r William	11	W.
Odor:	None		Petroleum	Musty	• =	hlorine Othe	r	1	
	None		VOC/Solvent	Fishy	Sulfur Fi	ragrant	020130702065	206 IP	
Color:	None						0201307020632	206.JF	G
Gross Solids	: Slight		Litter 🗸	Debris	Sediment	Other	- Sampling Results		
Vegetation:	None		Inhibited 🗌 I	Excessive			Sample Location:		
Benthic Grov	vth: Slight	✓	Green 🔲	Brown			Sample ID:		
Stains:	None		Flow Line 🔲	Oil	Rust Stains		Time Collected		
			Corrosion	Paint 🗌	Other		Total Chlorine (field):		ppm
Non-illicit:	None		Natural Sheen	☐ Natural S	uds/Foam		Free Chlorine (field):		ppm
– Physical C	Condition Ass	essment -					Total Copper (field):		ppm
Graffiti:	None						Ammonia (field):		ppm
Erosion:	None						pH (field):		units
Deposition		Depth (in):					Temperature (field):		°F
Damage:	None	_ ' ' '					Conductivity (field):		μS/cm
Damaye.	INUITE	Displacemen	=	Crusl			Detergents:		mg/L
		Corrosion		uctural Dama	ge		Phenol:		mg/L

Outfall ID: 12-1414 US1

Minor Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-1414

Drainage Basin:

Fernau Ave

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

■ Not Physically Located



o20130702065700.JPG

Outfall Notes:

Upstream curb inlet located approx 216 ft N of outfall 12-1414. Intermediate area consists of street right-of-way.

County Coordinates: La

Latitude/Longitude: Latitude: 44.06239

Northing: 489,524 Latitude: 44.06239 Easting: 790,235 Longitude: -88.54856



Inspection	Date: 7/2/2	013 7:53:15 /	AM In:	spector:	JCW	Inspect	ion Type:	Ongoing	Previous Rainfall (hrs): 72	+
Flow Descr	iption: Subr	nerged, sligh	nt flow	Notes:							
Submerged:	Partially	Depth (in): 10								
Illicit Discha	arge Potentia	l: Unlikely			Field Fo	ollow-up	O	ffice Follow-up			
Floatables:			Petrol.	Sheen _	_	Sewa		lgae	125 T. V. W.		///
Odor:	None		Petrole	_	Musty	Sewa		hlorine Oth	er The Table		
Turbidity:	None		U VOC/S	olvent _	Fishy	Sulfu		ragrant		07702	72013 07:57
Color:	None								0201307	02065706	IPG
Gross Solids	s: None		Litter		Debris	Sedin	nent 🗌	Other	Sampling Results		
Vegetation:	None		Inhibite	d 🗌	Excessive	е			Sample Location:	Pool	
Benthic Grov	wth: Slight		✓ Green		Brown				Sample ID:	130702-	76
Stains:	Slight		✓ Flow Li	ne 🗌	Oil	Rust	Stains		Time Collected	07:55	
			Corrosi	on 🗌	Paint	Other			Total Chlorine (field	l): 0	ррт
Non-illicit:	None		□ Natural	Sheen	□ Natur	ral Suds/Fo	am		Free Chlorine (field): 0	ppm
– Phvsical (Condition Ass	essment —							Total Copper (field)		P
Graffiti:	None								Ammonia (field):	0	1-1-
Erosion:	None								pH (field):	7.48	
Deposition		Depth (in):							Temperature (field)		
Damage:	None	_ ` ` ` ′							Conductivity (field):	1024	F
Damage.	INOTIC	☐ Displace	=	ndercut		Crushed			Detergents:	0	mg/L
		Corrosio	on 📙 C	racks/St	tructural D	amage			Phenol:		mg/L

Outfall ID: 12-1604

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Drainage Basin:

West Snell Rd

- Dimensions

Diameter (in): 27 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130702071940.JPG

Outfall Notes:

Vinland St storm sewer discharges to swale in County landfill.

County Coordinates: Latitude/Longitude:

Northing: 490,536 Latitude: 44.06516 Easting: 787,730 Longitude: -88.55809



Inspection D	Date: 7/2/20	13 8:16:34	AM In	spector:	JCW	Inspect	ion Type:	Ongoing	Previous Rainfall (I	nrs): 72+	-
Flow Descrip Submerged:	ption: Subm Partially	n erged, slig l Depth (ir		Notes:	Sample end of p		rom subm	nerged flow at			The same
Illicit Discha	rge Potential	: Unlikely			Field Fo	ollow-up	Of	fice Follow-up	A I	"Iller	
Floatables:	None		Petrol.	Sheen _	Suds	Sewag	ge 🗌 Al	gae 🗌 Othe	er 💮 💮	()	1
Odor:	None		Petrole		Musty	Sewa	_	nlorine Othe			
	None		U VOC/S	olvent _] Fishy	Sulfur	Fr	agrant	02013070	02071948.JI	PG
	None										_
Gross Solids	: Slight		✓ Litter		Debris	Sedim	nent [_] (Other	Sampling Results —		
Vegetation:	None		Inhibite	d 🗌	Excessive	е			Sample Location:	Pool	
Benthic Grow	vth: Moderate		✓ Green		Brown				Sample ID:	130702-5	1
Stains:	Slight		✓ Flow Li	ne 🗌	Oil	Rust S	Stains		Time Collected	08:16	
			✓ Corrosi	on 🗌	Paint	Other			Total Chlorine (field): 0	ррт
Non-illicit:	None		☐ Natural	Sheen	☐ Natu	ral Suds/Fo	am		Free Chlorine (field)	: 0	ppm
— Physical C	Condition Asse	cement —							Total Copper (field):	0	ppm
		SSIII C III							Ammonia (field):	0	ppm
Graffiti:	None								pH (field):	7.77	units
Erosion:	None								Temperature (field):	67	°F
Deposition		Depth (in):							Conductivity (field):	768	μS/cm
Damage:	None	Displace	ement 🗌 L	Indercut		Crushed			Detergents:	0	mg/L
		Corrosi	on 🗌 C	racks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 12-1676

Supplemental Outfall

Structure Type:

Pond Inlet

Discharge Location:

Non-MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702104058.JPG

Outfall Notes:

Shore Preserve Dr storm sewer discharges to north side of detention basin.

County Coordinates: Latitude/Longitude:

Northing: 493,578 Latitude: 44.07348 Easting: 778,012 Longitude: -88.59507



Inspection I	Date: 7/2	2/2013 11:40:00 AM	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descri Submerged:	•	bmerged, indeterminate Depth (in): 3		ll partially submerged. ned upstream at 12-16			
Illicit Discha	arge Poten	tial: Unlikely	Field I	Follow-up 🗌 O	office Follow-up		
Floatables:	None	Petrol.	. Sheen 🗌 Suds	Sewage A	lgae 🗌 Other		
Odor:	None	Petrol	eum 🗌 Musty	Sewage C	hlorine Other		
		U VOC/S	Solvent Fishy	Sulfur F	ragrant	1	
Turbidity:	None						
Color:	None					020130702104	116.JPG
Gross Solids	: None	Litter	Debris	Sediment	Other	Sampling Results———	
Vegetation:	None	Inhibit	ed Excessi	ve		Sample Location:	
Benthic Grov	wth: Slight	✓ Green	✓ Brown			Sample ID:	
Stains:	None	☐ Flow L	_ine	Rust Stains		Time Collected	
		☐ Corros	sion 🗌 Paint	Other		Total Chlorine (field):	ppm
Non-illicit:	None	□ Natura	al Sheen	ural Suds/Foam		Free Chlorine (field):	<i>ppm</i>
– Physical (Condition As	ssessment —				Total Copper (field):	ppm
Graffiti:	None	33C33MCM				Ammonia (field):	<i>ppm</i>
						pH (field):	units
Erosion:	None	Danth (in)				Temperature (field):	° <i>F</i>
Deposition		Depth (in):				Conductivity (field):	μS/cm
Damage:	None	☐ Displacement ☐ □	Undercut	Crushed		Detergents:	mg/L
		☐ Corrosion ☐ (Cracks/Structural	Damage		Phenol:	mg/L

Outfall ID: 12-1676 US1

Supplemental Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-1676

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702105558.JPG

Outfall Notes:

Upstream manhole located approx 48 ft N of outfall 12-1676. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 493,627 Latitude: 44.07361 Easting: 778,009 Longitude: -88.59509



Inspection I	Date: 7/2/2	2013 11:53:38 AM Ir	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs): 72+	
Flow Descri	ption: Sub	merged, indeterminate	Notes:				10	A36
Submerged:	Partially	Depth (in): 3						1
Illicit Discha	arge Potentia	al: Unlikely	Field F	ollow-up O	ffice Follow-up			
Floatables:	None	Petrol.	Sheen Suds	Sewage Al	gae 🗌 Other			200
Odor:	None	Petrole	eum Musty	☐ Sewage ☐ C	hlorine Other			
,		U VOC/S	Solvent Fishy	Sulfur Fr	ragrant		07/09/	2013 11:56
Turbidity:	None					The same		
Color:	None					0201307021	05604.JI	PG
Gross Solids	: None	Litter	Debris	Sediment	Other	Sampling Results		
Vegetation:	None	Inhibite	ed 🗌 Excessiv	е		Sample Location: Po	ool	
Benthic Grov	vth: None	Green	Brown			Sample ID: 13	0702-1	7
Stains:	None	☐ Flow L	ine 🗌 Oil	Rust Stains		Time Collected 11	:52	
		Corros	ion Paint	Other		Total Chlorine (field):	0	ppm
Non-illicit:	None	□ Natura	l Sheen □ Natu	ral Suds/Foam		Free Chlorine (field):	0	ppm
			. Giloon rtata	rai Gado, i Gain		Total Copper (field):	0	ppm
'	Condition Ass	essment —				Ammonia (field):	0	ppm
Graffiti:	None					pH (field):	7.53	units
Erosion:	None					Temperature (field):	72	°F
Deposition		Depth (in):				Conductivity (field):	860	μS/cm
Damage:	None	Displacement U	Jndercut (Crushed		Detergents:	0	mg/L
		Corrosion (Cracks/Structural D	Damage		Phenol:		mg/L

Outfall ID: 12-1676a

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

PVC

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): 15 Height/Depth (in):

Mapping Precison:

Mapping GPS

Width (in):

☐ Not Physically Located

o20130702110828.JPG

Outfall Notes:

Shorewood Preserve Dr detention basin discharges to stream from north.

County Coordinates: Latitude/Longitude:

Northing: 493,369 Latitude: 44.07291 Easting: 778,000 Longitude: -88.59512



Inspection	Date: 7/2/2013 12:	01:45 PM Ins	spector: JCW	Inspection Type	e: Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri Submerged:	iption: Submerged, Partially Dep	indeterminate oth (in): 7		utlet-no upstream s iple collected.	sample location.			
Illicit Discha	arge Potential: Unl	ikely	Field Fo	ollow-up	Office Follow-up			
Floatables:	None	Petrol.	Sheen Suds	Sewage .	Algae Other			×L
Odor:	None	Petrole	um Musty	Sewage	Chlorine Other		W. W.	
,	None	UVOC/So	olvent Fishy	Sulfur	Fragrant	0201307021108	336 JPG	
	None			_	_		.cc.or G	
Gross Solids	s: None	Litter	Debris	Sediment _	Other	Sampling Results———		
Vegetation:	None	Inhibite	d Excessive	е		Sample Location:		
Benthic Grov	wth: Slight	✓ Green	Brown			Sample ID:		
Stains:	Slight	✓ Flow Lin	ne 🗌 Oil	Rust Stains		Time Collected		
		Corrosi	on 🗌 Paint	Other		Total Chlorine (field):	<i>ppm</i>	
Non-illicit:	None	☐ Natural	Sheen Natur	ral Suds/Foam		Free Chlorine (field):	<i>ppm</i>	
– Physical (Condition Assessment					Total Copper (field):	<i>ppm</i>	
Graffiti:	None	•				Ammonia (field):	<i>ppm</i>	
Erosion:	None					pH (field):	units	
		ı (in): E				Temperature (field):	° <i>F</i>	
Deposition	Nama	n (in): 5				Conductivity (field):	μS/cr	n
Damage:		-1		Crushed		Detergents:	mg/L	
	Co	orrosion C	racks/Structural D	amage		Phenol:	mg/L	

Outfall ID: 12-1682

Supplemental Outfall

Structure Type:

Pond Inlet

Discharge Location:

Non-MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): 30 Height/Depth (in): Width (in):

Mapping Precison:

Desktop mapping estimate

✓ Not Physically Located

o20130716102228.JPG

Outfall Notes:

Shore Preserve Dr storm sewer discharges to NE corner of detention basin. Outfall not located due to dense algae mat on pond.

County Coordinates: Latitude/Longitude:

Northing: 492,832 Latitude: 44.07144 Easting: 778,626 Longitude: -88.59274



Inspection D)ate: 7/16/3	2013 11:16:48 AM	Inspector:	JCW	Inspectio	n Tyne:	Ongoing	Previous Rainfall (hrs):	· 72±	
•		nerged (not located)	Notes:		•	71	nse algae mat.	1 Tevious Haimaii (1115).		
·		,	Notes.		ed upstream		0			
Submerged:	Fully	Depth (in):								All Year
Illicit Discha	rge Potential	: Unlikely		Field Fo	ollow-up	Of	fice Follow-up			The second
Floatables: S	Severe	Petr	ol. Sheen	Suds	Sewage	e 🗸 Alg	gae 🗌 Othe	er 💮 💮	Par	
Odor:	None	Petr	oleum [Musty	Sewage	e 🗌 Ch	nlorine Othe	er 📜 👢	J.G	
		\ \ \	C/Solvent [Fishy	Sulfur	Fr	agrant		Cus	
Turbidity:	None							TO THE PARTY OF TH	K	
Color:	None							02013071610	2234.JI	PG
Gross Solids:	: None	Litte	r 🗌	Debris	Sedime	ent 🗌 (Other	- Sampling Results		
Vegetation:	None	Inhit	oited 🗌	Excessiv	е			Sample Location:		
Benthic Grow	rth: None	☐ Gree	en 🗌	Brown				Sample ID:		
Stains:	None	☐ Flow	Line	Oil	Rust St	ains		Time Collected		
		Corr	osion	Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None	□ Natı	ıral Sheen	□ Natu	ral Suds/Foa	m		Free Chlorine (field):		ppm
Dhysical C								Total Copper (field):		ppm
	Condition Asse	SSIIIEIIL						Ammonia (field):		ppm
Graffiti:	None							pH (field):		units
Erosion:	None							Temperature (field):		°F
Deposition		Depth (in):						Conductivity (field):		μS/cm
Damage:	None	Displacement	Undercut		Crushed			Detergents:		mg/L
		Corrosion] Cracks/Str	ructural D	amage			Phenol:		mg/L

Outfall ID: 12-1682 US1

Supplemental Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-1682

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130716105408.JPG

Outfall Notes:

Upstream yard drain located approx 94 ft ENE of outfall 12-1682. Intermediate area consists of residential property.

County Coordinates: Latitude/Longitude:

Northing: 492,873 Latitude: 44.07155 Easting: 778,710 Longitude: -88.59241



Inspection D	ate: 7/16/2	013 11:50:5	52 AM In	spector:	JCW	Inspec	ction Type:	Ongoing	Previous Rainfall (hrs): 72-	٠
Flow Descrip	otion: Subm	erged, inde	eterminate	Notes:						The same of	T.
Submerged:	Partially	Depth (in	n): 28								
Illicit Dischar	rge Potential:	Unlikely			Field Fo	ollow-up	_ O	ffice Follow-up		1	
Floatables: N	Vone		Petrol.	Sheen [Suds	Sewa	age 🗌 Al	lgae 🗌 Oth	er 💮		16
Odor:	Vone		Petrole	um [Musty	Sew	age 🗌 C	hlorine Oth	er (1)		100
			UVOC/S	olvent [Fishy	Sulfu	ır 🗌 Fı	ragrant		077.6	2012 1116
Turbidity: N	Vone								F. B.T.		1
Color:	None								0201307	16105414.J	PG
Gross Solids:	Moderate		✓ Litter	✓	Debris	Sedi	ment	Other	Sampling Results		
Vegetation:	None		Inhibite	d 🗌	Excessiv	е			Sample Location:	Pool	
Benthic Grow	rth: None		Green		Brown				Sample ID:	130716-4	14
Stains:	None		☐ Flow Li	ne 🗌	Oil	Rust	Stains		Time Collected	11:52	
			Corrosi	on 🗌	Paint	Othe	er		Total Chlorine (field	l): 0	ррт
Non-illicit:	None		Natura	Sheen	☐ Natu	ral Suds/F	oam		Free Chlorine (field)): 0	ppm
– Physical C	Condition Asses	ssment —					-		Total Copper (field)	: 0	ppm
		Jonneni							Ammonia (field):	0	ppm
Graffiti:	None								pH (field):	7.7	units
Erosion:	None	Daniella (San)							Temperature (field)	: 82	°F
Deposition:		Depth (in):	•						Conductivity (field):	793	μS/cm
Damage:	None	Displac	ement 🗌 L	Indercut		Crushed			Detergents:	0	mg/L
		Corrosi	on 🗌 C	racks/S	tructural D	Damage			Phenol:		mg/L

Outfall ID: 12-1692

Supplemental Outfall

Structure Type:

Pond Inlet

Discharge Location:

Non-MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

24

✓ Not Physically Located

o20130716101704.JPG

Outfall Notes:

Wood Duck Ct storm sewer discharges to SE corner of detention basin. Outfall not located due to dense algae mat on pond.

County Coordinates: Latitude/Longitude:

Northing: 492,737 Latitude: 44.07118 Easting: 778,615 Longitude: -88.59278



Inspection Date: 7/16/2013 11	:13:43 AM Inspector: J0	CW Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Description: Submerged Submerged: Fully Dep	,	Outfall not located due to den creened upstream at 12-169	•	\\-\\@utfa	all
Illicit Discharge Potential: Pot	ential Fi	ield Follow-up Offi	ice Follow-up	MATHO	1/1/
Floatables: Severe	Petrol. Sheen St	uds 🗌 Sewage 🗸 Alg	ae Other		
Odor: None	Petroleum M	lusty 🗌 Sewage 🔲 Chl	lorine Other		(C) (V) // // // /
	☐ VOC/Solvent ☐ Fi	ishy 🗌 Sulfur 📗 Fra	agrant		
Turbidity: None					
Color: None				o201307161017	'16.JPG
Gross Solids: None	Litter Deb	bris Sediment O	Other	Sampling Results———	
Vegetation: None	☐ Inhibited ☐ Exc	cessive		Sample Location:	
Benthic Growth: None	Green Bro	own		Sample ID:	
Stains: None	Flow Line Oil	Rust Stains		Time Collected	
	Corrosion Pair	nt Other		Total Chlorine (field):	<i>ppm</i>
Non-illicit: None	Natural Sheen	Natural Suds/Foam		Free Chlorine (field):	<i>ppm</i>
				Total Copper (field):	<i>ppm</i>
Graffiti: None				Ammonia (field):	<i>ppm</i>
Erosion: None				pH (field):	units
Deposition: None Depth	(in):			Temperature (field):	° <i>F</i>
Domesta Name	_			Conductivity (field):	μS/cm
	splacement Undercut	Crushed		Detergents:	mg/L
Co	orrosion Cracks/Struct	tural Damage		Phenol:	mg/L

Outfall ID: 12-1692 US1

Supplemental Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-1692

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

■ Not Physically Located



o20130716104002.JPG

Outfall Notes:

Upstream manhole located approx 307 ft E of outfall 12-1692. Intermediate area consists of street right-of-way and residential lots.

County Coordinates: Latitude/Longitude:

Northing: 492,755 Latitude: 44.07123 Easting: 778,922 Longitude: -88.59161



Inspection Date: 7/17/2013 9:02:0	00 AM Inspector: JCW	Inspection Type: Repeat	Previous Rainfall (hrs): 72+
Flow Description: Submerged, incomerged: Partially Depth (y-up screening for detergent. No lent detected.	
Illicit Discharge Potential: Unlikel	y Field F	Follow-up Office Follow-up	
Floatables: None	Petrol. Sheen Suds	Sewage Algae Othe	ır 💮
Odor: None	Petroleum Musty	Sewage Chlorine Othe	er .
	☐ VOC/Solvent ☐ Fishy	Sulfur Fragrant	02/17/2013 09:02
Turbidity: None			o20130717080230.JPG
Color: None			020130717000230.01 G
Gross Solids: None	Litter Debris	Sediment Other	Sampling Results
Vegetation: None	☐ Inhibited ☐ Excessi	ve	Sample Location: Pool
Benthic Growth: None	Green Brown		Sample ID: 130717-43
Stains: None	Flow Line Oil	Rust Stains	Time Collected 09:02
	Corrosion Paint	Other	Total Chlorine (field): ppm
Non-illicit: None	Natural Sheen Nati	ural Suds/Foam	Free Chlorine (field): ppm
☐ Physical Condition Assessment ☐			Total Copper (field): ppm
			Ammonia (field): ppm
Graffiti: None			pH (field): units
Erosion: None			Temperature (field): °F
Deposition: None Depth (in):		Conductivity (field): μ S/cm
Damage: None 🗌 Displa	acement Undercut	Crushed	Detergents: 0 mg/L
☐ Corro	sion Cracks/Structural	Damage	Phenol: mg/L

Outfall ID: 12-1692 US1

Inspection	Date: 7/16	6/ 2013 11:38:06 AM Ir	spector: JCW	Inspection Ty	pe: Ongoing	Previous Rainfall (hrs)	: 72+	
Flow Descr	iption: Sub	merged, indeterminate	Notes: Deterg	gent detection in n	nanhole pool.			
Submerged	: Partially	Depth (in): 18						
Illicit Disch	arge Potenti	al: Potential	Field F	ollow-up	Office Follow-up			
Floatables:	None	Petrol.	Sheen Suds	Sewage	Algae Othe	er 🧢 💮		
Odor:	None	Petrole VOC/S	eum	Sewage Sulfur	Chlorine Othe	er		
Turbidity:	None						07/16/	
Color:	None					o2013071610)4018.JI	PG
Gross Solids	s: None	Litter	Debris	Sediment	Other	- Sampling Results		
Vegetation:	None	Inhibite	ed Excessi	ve		Sample Location: Po	ol	
Benthic Gro	wth: None	Green	Brown			Sample ID: 13	0716-6	5
Stains:	None	☐ Flow L	ine 🗌 Oil	☐ Rust Stains		Time Collected 11	:37	
		☐ Corros	ion 🗌 Paint	Other		Total Chlorine (field):	0	ppm
Non-illicit:	None	☐ Natura	I Sheen Nat	ural Suds/Foam		Free Chlorine (field):	0	ppm
— Physical	Condition Ass	eeccment				Total Copper (field):	0	ppm
		5633116111				Ammonia (field):	0	ppm
Graffiti:	None					pH (field):	7.32	units
Erosion:	None					Temperature (field):	81	°F
Depositio		Depth (in):				Conductivity (field):	871	μS/cm
Damage:	None	Displacement U	Jndercut	Crushed		Detergents:	1.3	mg/L
		Corrosion (Cracks/Structural	Damage		Phenol:		mg/L

Outfall ID: 12-1700

Minor Outfall

Structure Type:

Pond Inlet

Discharge Location:

Non-MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): 24 Height/Depth (in):

Width (in): Mapping Precison:

Mapping GPS

■ Not Physically Located

o20130716095238.JPG

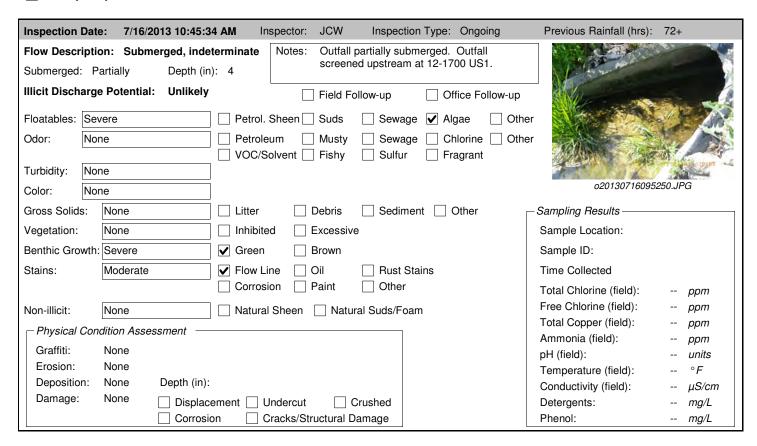
Outfall Notes:

Shorebird Ct storm sewer discharges to NW corner of detention basin.

County Coordinates: Latitude/Longitude:

Northing: 492,800 Latitude: 44.07135 Easting: 779,444 Longitude: -88.58962





Outfall ID: 12-1700 US1

Supplemental Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Other

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-1700

Drainage Basin:

Edgewood Lane

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130716095514.JPG

Outfall Notes:

Upstream manhole located approx 60 ft W of outfall 12-1700. Intermediate area consists of street rightof-way.

County Coordinates:

Latitude/Longitude:

492,792 44.07133 Northing: Latitude: Easting: 779,385 Longitude: -88.58985

Location Map



Inspection Date: 7/16/2013 10:52:40 AM Inspector: **JCW** Inspection Type: Ongoing Previous Rainfall (hrs): 72+ Flow Description: Submerged, indeterminate Notes: Submerged: Partially Depth (in): 3 Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130716095526.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results None Inhibited Vegetation: Excessive Sample Location: Pool Benthic Growth: None Green Brown Sample ID: 130716-69 ✓ Flow Line Stains: Slight Rust Stains Time Collected 10:50 Oil Corrosion Paint Other Total Chlorine (field): 0 ppm Free Chlorine (field): mqq Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): 0 ppm Physical Condition Assessment Ammonia (field): 0 ppm Graffiti: None pH (field): 7.72 units Erosion: None Temperature (field): 82 ۰F Deposition: None Depth (in): Conductivity (field): 1056 μS/cm Damage: None Displacement Undercut Crushed Detergents: 0 mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 12-1711

Minor Outfall

Structure Type:

Pond Inlet

Discharge Location:

Non-MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): 21
Height/Depth (in):

Width (in):

Mapping Precison:

Survey GPS

☐ Not Physically Located



o20130716094032.JPG

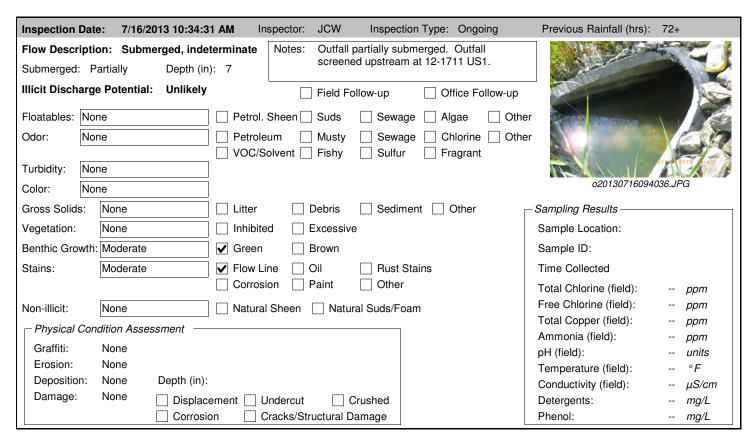
Outfall Notes:

Shorebird Ct storm sewer discharges to SW corner of detention basin.

County Coordinates: Latitude/Longitude:

Northing: 492,685 Latitude: 44.07104 Easting: 779,519 Longitude: -88.58934





Outfall ID: 12-1711 US1

Supplemental Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-1711

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130716094338.JPG

Outfall Notes:

Upstream curb inlet located approx 29 ft SSW of outfall 12-1711. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 492,660 Latitude: 44.07097 Easting: 779,505 Longitude: -88.58939



Inspection	Date: 7/	16/2013 10:40:0	4 AM In	spector:	JCW	Inspection	n Type:	Ongoing	Previous Rainfall (I	nrs): 72-	+
Flow Descr	iption: S	ubmerged, inde	terminate	Notes:					1 3 3	-	
Submerged:	Partially	Depth (in): 4								
Illicit Disch	arge Poter	ntial: Unlikely			Field Fo	ollow-up	_ o	ffice Follow-up			
Floatables:	None		Petrol.	Sheen [Suds	Sewage	e 🗌 Al	lgae 🗌 Oth	er		
Odor:	None		Petrole	um [Musty	Sewage	e 🗌 C	hlorine Oth	er er		
			☐ VOC/S	olvent [Fishy	Sulfur	Fr	ragrant		07/10	2019 10:43
Turbidity:	None								201007		
Color:	None								02013071	16094346.J	PG
Gross Solids	s: None		Litter		Debris	Sedime	ent 🗌	Other	Sampling Results		
Vegetation:	None		Inhibite	ed 🗌	Excessive	Э			Sample Location:	Pool	
Benthic Gro	wth: None		Green		Brown				Sample ID:	130716-3	36
Stains:	Slight		✓ Flow Li	ne 🗌	Oil	Rust St	ains		Time Collected	10:40	
			Corros	ion 🗌	Paint	Other			Total Chlorine (field): 0	ppm
Non-illicit:	None		☐ Natura	Sheen	☐ Natui	ral Suds/Foa	m		Free Chlorine (field)	: 0	ppm
— Physical i	Condition 4	Assessment —							Total Copper (field)	: 0	ppm
		1336331116111							Ammonia (field):	0	ppm
Graffiti:	None								pH (field):	8.42	units
Erosion:	None								Temperature (field):	82	°F
Depositio		Depth (in):							Conductivity (field):	845	μS/cm
Damage:	None	Displac	ement 🗌 L	Indercut		Crushed			Detergents:	0	mg/L
		Corrosi	on 🗌 C	cracks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 12-1781

Supplemental Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Fernau Ave

- Dimensions

Diameter (in): 30 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702052808.JPG

Outfall Notes:

Fernau Ave storm sewer discharges to NW corner of detention basin.

County Coordinates: Latitude/Longitude:

Northing: 487,652 Latitude: 44.05725 Easting: 787,769 Longitude: -88.55793

Location Map



Inspection Date: 7/2/2013 6:22:49 AM Inspector: **JCW** Inspection Type: Ongoing Previous Rainfall (hrs): Flow Description: Submerged, indeterminate Notes: Outfall partially submerged. Outfall screened upstream at 12-1781 US1. Submerged: Partially Depth (in): 13 Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130702052826.JPG Color: None ✓ Litter Gross Solids: Slight Debris Sediment Other Sampling Results Inhibited Vegetation: None Excessive Sample Location: Benthic Growth: Moderate **✓** Green **✓** Brown Sample ID: ✓ Flow Line Stains: Slight Rust Stains Time Collected Oil Corrosion Paint Other Total Chlorine (field): ppm Free Chlorine (field): ppm Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment ppm Ammonia (field): Graffiti: None pH (field): units Erosion: None Temperature (field): ۰F Deposition: None Depth (in): Conductivity (field): μS/cm Damage: None Displacement Undercut Crushed Detergents: mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 12-1781

Inspection Date	e: 9/2/2009	Inspector: JCW	Inspection Type: Initial	Previous Rainfall (hrs): 72+
Flow Description	on: None	Notes: Wet, no	flow.	
Submerged: No	one Depth (i	n): 0		
Illicit Discharge	e Potential: Unlikely	Field Fo	llow-up Office Follow-up	
Floatables:		Petrol. Sheen Suds	Sewage Algae Othe	r San
Odor:		Petroleum Musty VOC/Solvent Fishy	Sewage Chlorine Othe	ır V
Turbidity:				68 01 500P 18:14
Color:				Osh09_DSCN6289.JPG
Gross Solids:		Litter Debris	Sediment Other	Sampling Results
Vegetation:		☐ Inhibited ☐ Excessive	9	Sample Location:
Benthic Growth:	Slight	☐ Green ✓ Brown		Sample ID:
Stains:		☐ Flow Line ☐ Oil	Rust Stains	Time Collected
		Corrosion Paint	Other	Total Chlorine (field): ppm
Non-illicit:	None	Natural Sheen Natur	al Suds/Foam	Free Chlorine (field): ppm
⊢ Physical Cond	dition Assessment —			Total Copper (field): ppm
	None			Ammonia (field): ppm
				pH (field): units
	None			Temperature (field): °F
Deposition:	Depth (in)	: 1		Conductivity (field): μS/cm
Damage:	None Displa	cement Undercut C	Crushed	Detergents: mg/L
	☐ Corros	ion Cracks/Structural Da	amage	Phenol: mg/L

Outfall ID: 12-1781 US1

Supplemental Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-1781

Drainage Basin:

Fernau Ave

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702053242.JPG

Outfall Notes:

Upstream manhole located approx $60\ \text{ft}\ N$ of outfall 12-1781. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 487,712 Latitude: 44.05741 Easting: 787,768 Longitude: -88.55794



Inspection Dat	te: 7/2/2013 6:27:31	AM Inspector: JCW Inspection Type: Ongoing Previous Rainfa	all (hrs): 72+	
Flow Description Submerged: P	ion: Submerged, inde			
Illicit Discharg	e Potential: Unlikely	Field Follow-up Office Follow-up		
Floatables: No	ne	☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other		
Odor: No	ne	Petroleum Musty Sewage Chlorine Other		100
		☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant		J.F.
Turbidity: No	ne		27/02/2042/06:34	
Color: No	ne	0201	30702053252.JPG	
Gross Solids:	None	☐ Litter ☐ Debris ☐ Sediment ☐ Other ☐ Sampling Results	s	$\overline{}$
Vegetation:	None	☐ Inhibited ☐ Excessive Sample Location	n: Pool	
Benthic Growth	: None	☐ Green ☐ Brown Sample ID:	130702-54	
Stains:	Slight	✓ Flow Line ☐ Oil ☐ Rust Stains Time Collected	06:31	
		☐ Corrosion ☐ Paint ☐ Other ☐ Total Chlorine (f	field): 0 ppm	
Non-illicit:	None	□ Natural Sheen □ Natural Suds/Foam Free Chlorine (fi	ield): 0 ppm	
– Physical Con	ndition Assessment —	Total Copper (fie	eld): 0 <i>ppm</i>	
Graffiti:	None	Ammonia (field)	r- r-	
Erosion:	None	pH (field):	8.93 units	
Deposition:	None Depth (in):	Temperature (fig	,	
Deposition. Damage:	None —	Conductivity (fie	, ,	
Damaye.	Displac		0 mg/L	
	Corrosi	on Cracks/Structural Damage Phenol:	0 mg/L	

Outfall ID: 12-1793

Supplemental Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Fernau Ave

- Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702054512.JPG

Outfall Notes:

Fernau Ave storm sewer discharges to north side of detention basin.

County Coordinates: Latitude/Longitude:

Northing: 487,795 Latitude: 44.05764 Easting: 788,111 Longitude: -88.55663



Inspection	Date: 7/2	/2013 6:39:06 A	M In	spector:	JCW	Inspec	tion Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	•	bmerged, indet Depth (in)		Notes:		partially su ed upstrea	-				
Illicit Disch	arge Potent	ial: Unlikely			Field Fo	ollow-up	□ 0	ffice Follow-up			
Floatables:	None		Petrol.	Sheen _	Suds	☐ Sewa	ge 🗌 A	lgae 🗌 Oth	er		74
Odor:	None		Petrole	um [Musty	Sewa	ige 🗌 C	hlorine Oth	er 🔐	V.	THE RESERVE TO THE PARTY OF THE
			UOC/S	olvent [Fishy	Sulfu	r 🗌 F	ragrant		2	
Turbidity:	None										
Color:	None								020130702054	518.JF	PG
Gross Solids	s: None		Litter		Debris	☐ Sedir	nent 🗌	Other	Sampling Results		
Vegetation:	None		Inhibite	ed 🗌	Excessive	Э			Sample Location:		
Benthic Gro	wth: Slight		✓ Green		Brown				Sample ID:		
Stains:	None		☐ Flow Li	ne 🗌	Oil	☐ Rust	Stains		Time Collected		
			Corrosi	ion 🗌	Paint	Other	•		Total Chlorine (field):		ppm
Non-illicit:	None		☐ Natural	Sheen	☐ Natur	ral Suds/F	oam		Free Chlorine (field):		ppm
	Condition As	reassment —							Total Copper (field):		ppm
		36331116111							Ammonia (field):		ppm
Graffiti:	None None								pH (field):		units
Erosion:		Destable (in)							Temperature (field):		°F
Deposition		Depth (in):							Conductivity (field):		μS/cm
Damage:	None	Displace	ement 🗌 L	Indercut		Crushed			Detergents:		mg/L
		Corrosio	n 🗌 C	cracks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 12-1793

Inspection Date	9/2/2009	Ins	spector: JCW	Inspecti	on Type: Initi	al	Previous Rainfall (hrs):	72+	
Flow Description	on: None		Notes:					h	1
Submerged: No	one De	epth (in): 0						1	de
Illicit Discharge	Potential: Ur	nlikely	Field	Follow-up	Office F	ollow-up			Jan 4
Floatables:		Petrol. 9	Sheen 🗌 Suds	Sewag	je 🗌 Algae	Other			
Odor:		Petrole		, <u> </u>	je 🗌 Chlorin 🔲 Fragrar				W.
Turbidity:								00-0	1 2004 16 47
Color:							Osh09_DSCN6	3295.JI	PG
Gross Solids:		Litter	Debris	Sedim	ent Other		Sampling Results		
Vegetation:		Inhibited	d Excess	sive			Sample Location:		
Benthic Growth:		Green	Brown				Sample ID:		
Stains:		☐ Flow Lir	ne 🗌 Oil	Rust S	tains		Time Collected		
		Corrosio	on 🗌 Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None	☐ Natural	Sheen Na	tural Suds/Fo	am		Free Chlorine (field):		ppm
☐ Physical Cond	dition Assessmer	nt —					Total Copper (field):		ppm
	None	•••					Ammonia (field):		ppm
	None						pH (field):		units
		oth (in): 0					Temperature (field):		°F
i i	Name -	` ,		_			Conductivity (field):		μS/cm
Damage:	· · · □ •	-1	ndercut	Crushed			Detergents:		mg/L
		Corrosion C	racks/Structura	I Damage			Phenol:		mg/L

Outfall ID: 12-1793 US1

Supplemental Outfall - Alternate Location

Structure Type: Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-1793

Drainage Basin:

Fernau Ave

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702055346.JPG

Outfall Notes:

Upstream curb inlet located approx 29 ft NW of outfall 12-1793. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 487,814 Latitude: 44.05770 Easting: 788,088 Longitude: -88.55672



Inspection I	Date: 7/2/2	013 6:51:41	AM In	spector:	JCW	Inspec	tion Type:	Ongoing	Previous Rainfall (hr	s): 72+	
Flow Descri	iption: Subr	nerged, inde	eterminate	Notes:					The second		
Submerged:	Partially	Depth (in	n): 5								
Illicit Discha	arge Potentia	l: Unlikely			Field Fo	ollow-up	_ O	ffice Follow-up			
Floatables:	None		Petrol.	Sheen [Suds	Sewa	age 🗌 Al	lgae 🗌 Oth	er (1)		AL A
Odor:	Easily detected	ed	Petrole	um 🗸	Musty	Sewa	age 🗌 C	hlorine Oth	er er		
,			UVOC/S	olvent [Fishy	Sulfu	ır 🗌 Fı	ragrant		07/09/	2013 05:53
Turbidity:	None										-
Color:	None								020130702	055354.JI	PG
Gross Solids	s: Slight		✓ Litter		Debris	Sedi	ment	Other	Sampling Results		
Vegetation:	None		Inhibite	d 🗌	Excessiv	е			Sample Location: F	ool	
Benthic Grov	wth: None		Green		Brown				Sample ID: 1	30702-4	7
Stains:	Slight		✓ Flow Li	ne 🗌	Oil	Rust	Stains		Time Collected 0	6:51	
			Corros	on 🗌	Paint	Othe	r		Total Chlorine (field):	0	ppm
Non-illicit:	Slight		✓ Natura	Sheen	☐ Natu	ral Suds/F	oam		Free Chlorine (field):	0	ppm
– Physical (Condition Asse	essment —					•		Total Copper (field):	0	ppm
		ocomoni							Ammonia (field):	0	ppm
Graffiti:	None								pH (field):	8.98	units
Erosion:	None	Donath (1.)							Temperature (field):	70	°F
Deposition		Depth (in):							Conductivity (field):	466	μS/cm
Damage:	None	Displace	ement 🗌 L	Indercut		Crushed			Detergents:	0	mg/L
		Corrosi	on 🗌 C	racks/St	ructural D	amage			Phenol:	0	mg/L

Outfall ID: 12-1795

Supplemental Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Fernau Ave

Dimensions

Diameter (in):

42

Height/Depth (in): Width (in):

Mapping Precison:

Mapping GPS

■ Not Physically Located



o20130702054920.JPG

Outfall Notes:

Fernau Ave storm curb inlets discharge to north side of detention basin.

County Coordinates: Latitude/Longitude:

Northing: 487,813 44.05769 Latitude: Easting: 788,224 Longitude: -88.55621



Inspection	Date: 7/2/2	2013 6:45:34 AM Ir	spector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged	•	Depth (in): 12	scree	Il partially submerged. ned upstream at 12-17 ng on apron.		Aces		
Illicit Disch	arge Potenti	al: Unlikely	Field I	ollow-up O	ffice Follow-up		7	
Floatables:	None	Petrol.	Sheen Suds	Sewage Al	gae Other			
Odor:	None	☐ Petrole	eum 🗌 Musty	Sewage C	hlorine Other			
Turbidity:	None None	U VOC/S	Solvent Fishy	Sulfur Fr	ragrant	020130702054	926.JP	G 00:49
Gross Solid	s: None	Litter	Debris	Sediment	Other _	Sampling Results		
Vegetation:	None		ed Excessi	ve		Sample Location:		
Benthic Gro	wth: Slight	✓ Green	Brown			Sample ID:		
Stains:	Slight	✓ Flow L	ine Oil	Rust Stains		Time Collected		
		Corros	ion 🗌 Paint	Other		Total Chlorine (field):		ррт
Non-illicit:	None	☐ Natura	l Sheen 🔲 Nat	ural Suds/Foam		Free Chlorine (field):		ррт
⊢ Physical	Condition Ass	sessment —				Total Copper (field):		ppm
Graffiti:	None					Ammonia (field):		ppm
Erosion:	None					pH (field):		units
Depositio		Depth (in):				Temperature (field):		° F
Damage:		, _	In domest	Out and the state		Conductivity (field):		μS/cm
Damage.	140110		Jndercut	Crushed		Detergents:		mg/L
		Corrosion (Cracks/Structural	Damage		Phenol:		mg/L

Outfall ID: 12-1795

Inspection Date:	9/2/2009 In:	spector: JCW	Inspection Type:	Initial	Previous Rainfall (hrs):	72+
Flow Description:	None	Notes:				
Submerged: None	Depth (in): 0					
Illicit Discharge Pot	tential: Unlikely	☐ Field Fe	ollow-up Of	fice Follow-up		
Floatables:	Petrol.	Sheen Suds	Sewage Alg	gae 🗌 Other		
Odor:	☐ Petrole			lorine Other		
	UOC/Se	olvent Fishy	Sulfur Fra	agrant		09.01.2009 18:28
Turbidity:					Osh09 DSCN6	2002 IBC
Color:					Oshos_D3CNo	5292.JFG
Gross Solids:	Litter	Debris	Sediment 0	Other	Sampling Results———	
Vegetation:	Inhibite	d Excessiv	е		Sample Location:	
Benthic Growth:	Green	Brown			Sample ID:	
Stains:	☐ Flow Li	ne 🗌 Oil	Rust Stains		Time Collected	
	☐ Corrosi	on 🗌 Paint	Other		Total Chlorine (field):	ppm
Non-illicit: Non	ne Natural	Sheen Natu	ral Suds/Foam		Free Chlorine (field):	ppm
Physical Condition	n Assessment				Total Copper (field):	<i>ppm</i>
					Ammonia (field):	<i>ppm</i>
Graffiti: Non					pH (field):	units
Erosion: Non					Temperature (field):	° <i>F</i>
Deposition: Non	1 ()				Conductivity (field):	μS/cm
Damage: Non	ne Displacement U	ndercut 🔲 (Crushed		Detergents:	mg/L
	Corrosion C	racks/Structural D	Damage		Phenol:	mg/L

Outfall ID: 12-1795 US1

Non-illicit:

Graffiti:

Erosion:

Damage:

Deposition:

Moderate

Physical Condition Assessment

None

None

None

None

Depth (in):

Corrosion

Displacement Undercut

Supplemental Outfall - Alternate Location **Location Map** Structure Type: Manhole **Discharge Location:** Downstream Outfall Shape: Manhole/Catchbasin Material: Manhole - concrete City ID: Photo Not Available 12-1795 Drainage Basin: Fernau Ave **Outfall Notes: Dimensions** Upstream manhole located approx 97 ft N of outfall 12-1795. Intermediate area consists of street right-Diameter (in): of-way. Height/Depth (in): Width (in): **Mapping Precison: County Coordinates:** Latitude/Longitude: Mapping GPS 487,911 44.05796 Northing: Latitude: Easting: 788,223 Longitude: -88.55621 ☐ Not Physically Located 7/2/2013 6:59:22 AM Inspection Date: Inspector: **JCW** Inspection Type: Ongoing Previous Rainfall (hrs): Flow Description: Submerged, indeterminate Notes: Submerged: Partially Depth (in): 7 Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Photo Not Available Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results Vegetation: None Inhibited Excessive Sample Location: Pool Benthic Growth: None Green Brown Sample ID: 130702-57 Stains: Slight Rust Stains Time Collected 07:00 ✓ Flow Line Oil Corrosion Paint Other Total Chlorine (field): 0 ppm

Crushed

Cracks/Structural Damage

Free Chlorine (field):

Total Copper (field):

Temperature (field):

Conductivity (field):

Ammonia (field):

pH (field):

Detergents:

Phenol:

mqq

ppm

ppm

units

71 °*F*

μS/cm

9.21

416

0 mg/L

0 mg/L

Outfall ID: 12-1916

Supplemental Outfall

Structure Type:

Pond Inlet

Discharge Location:

Non-MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): 12
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702104626.JPG

Outfall Notes:

Shore Preserve Dr curb inlets discharge to SW corner of detention basin.

County Coordinates: Latitude/Longitude:

Northing: 493,703 Latitude: 44.07382 Easting: 777,979 Longitude: -88.59520



Inspection Dat	te: 7/2/2013 11:40:12	? AM Inspector:	JCW Inspe	ction Type: C	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descripti Submerged: P	on: Submerged, inde		Outfall partially s screened upstrea crack on apron w	am at 12-1916				*
Illicit Discharg	e Potential: Unlikely		Field Follow-up	Offic	ce Follow-up		-31	
Floatables: No	ne	Petrol. Sheen	Suds Sew	vage 🗌 Alga	ae Other		N	111
Odor: No	ne	Petroleum	Musty Sew	rage 🗌 Chlo	orine Other		16	A St. Com
		☐ VOC/Solvent ☐	Fishy Sulf	ur 🗌 Frag	grant		naenoaa	
Turbidity: No	ne							
Color: No	ne					0201307021046	38.JP	G
Gross Solids:	None	Litter 🔲 I	Debris 🗌 Sed	iment 🗌 Otl	ther	Sampling Results ———		
Vegetation:	None	☐ Inhibited ☐ I	Excessive			Sample Location:		
Benthic Growth	: Slight	✓ Green ☐ I	Brown			Sample ID:		
Stains:	Slight	Flow Line	Oil Rus	t Stains		Time Collected		
		Corrosion I	Paint Othe	∍r		Total Chlorine (field):		ppm
Non-illicit:	None	Natural Sheen	Natural Suds/F	- oam		Free Chlorine (field):		ppm
	ndition Assessment —			¬		Total Copper (field):		ppm
Graffiti:	None					Ammonia (field):		ppm
Erosion:	None					pH (field):		units
Deposition:	Minor Depth (in):	1				Temperature (field):		°F
Damage:	Minar		Crushad			Conductivity (field):		μS/cm
	Milnor ☐ Displac		Crushed Tuctural Damage			Detergents: Phenol:		mg/L
	Corrosi	UII V CIACKS/SII	ucturar Dalliage			FIIEIIOI.		mg/L

Outfall ID: 12-1916 US1

Supplemental Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-1916

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702105034.JPG

Outfall Notes:

Upstream catchbasin located approx 48 ft WSW of outfall 12-1916. Intermediate area consists of pond shoreline.

County Coordinates: Latitude/Longitude:

Northing: 493,678 Latitude: 44.07376 Easting: 777,938 Longitude: -88.59536



Inspection Dat	ite: 7/2/2013 11:47:	05 AM Inspector:	JCW Inspec	tion Type: Ong	oing	Previous Rainfall (hrs):	72+	
Flow Description Submerged: N			Water in sump bu outlet pipe.	t no flow leaving	through			
Illicit Discharg	ge Potential: Unlike	ly r	Field Follow-up	Office F	ollow-up			
Floatables: No	one	Petrol. Sheen S	Suds Sewa	age 🗌 Algae	Other			924
Odor: No	one	Petroleum I	Musty 🗌 Sewa	age 🗌 Chlorine	e Other		1	
Turbidity: No	one	☐ VOC/Solvent ☐ I	Fishy 🗌 Sulfu	r 🗌 Fragran	t			13 11:50
Color: No	one					0201307021050	046.JP	G
Gross Solids:	Slight	Litter 🗸 De	ebris Sedir	ment Other	Γ.	Sampling Results———		
Vegetation:	None	☐ Inhibited ☐ Ex	xcessive			Sample Location:		
Benthic Growth	h: None	Green Br	rown			Sample ID:		
Stains:	None	Flow Line Oi	il Rust	Stains		Time Collected		
		Corrosion Pa	aint Othe	r		Total Chlorine (field):		ррт
Non-illicit:	None	☐ Natural Sheen ☐	Natural Suds/F	oam		Free Chlorine (field):		ppm
Physical Cor	ndition Assessment -					Total Copper (field):		ppm
Graffiti:	None					Ammonia (field): pH (field):		ppm units
Erosion:	None					Temperature (field):		°F
Deposition:	None Depth (ir	1):				Conductivity (field):		μS/cm
Damage:	None Displa	acement Undercut	Crushed			Detergents:		mg/L
	Corro	sion Cracks/Struc	ctural Damage			Phenol:		mg/L

Outfall ID: 12-2026

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Packer Ave

- Dimensions

Diameter (in):

24

Height/Depth (in): Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130703060334.JPG

Outfall Notes:

Algoma Blvd storm sewer discharges to channel in wooded area from east.

County Coordinates: Latitude/Longitude:

Northing: 485,621 Latitude: 44.05167 Easting: 784,663 Longitude: -88.56974



Inspection Date	e: 7/3/2013 7:00:33	AM Inspector:	: JCW Insp	ection Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Description Submerged: P	on: Submerged, inde		Outfall partially screened upstre					
Illicit Discharge	e Potential: Unlikely		Field Follow-up	Of	ffice Follow-up		.47	
Floatables: No	ne	Petrol. Sheen	Suds Se	wage 🗌 Al	gae Othei		1	
Odor: No	ne	Petroleum	☐ Musty ☐ Se	wage 🗌 Ch	hlorine Other	· Roy De State		
			☐ Fishy ☐ Su	fur 🔲 Fr	agrant		- Artist	
Turbidity: No.	ne						能光	
Color: No	ne					o201307030603	346.JF	'G
Gross Solids:	Slight	Litter 🗸	Debris	diment 🗌 (Other	-Sampling Results		
Vegetation:	None	☐ Inhibited ☐	Excessive			Sample Location:		
Benthic Growth:	Slight	✓ Green	Brown			Sample ID:		
Stains:	Moderate	✓ Flow Line	Oil 🗌 Ru	st Stains		Time Collected		
		Corrosion	Paint Otl	ıer		Total Chlorine (field):		ppm
Non-illicit:	None	Natural Sheen	Natural Suds	/Foam		Free Chlorine (field):		ppm
− Physical Con	dition Assessment —					Total Copper (field):		ppm
Graffiti:	None					Ammonia (field):		ppm
						pH (field):		units
Erosion:	None					Temperature (field):		°F
Deposition:	None Depth (in):					Conductivity (field):		μS/cm
Damage:	None Displac	ement Undercut	Crushed			Detergents:		mg/L
	☐ Corrosi	on Cracks/S	tructural Damage			Phenol:		mg/L

Outfall ID: 12-2026 US1

Minor Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-2026

Drainage Basin:

Packer Ave

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130703061046.JPG

Outfall Notes:

Upstream curb inlet located approx 12 ft E of outfall 12-2026. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 485,623 Latitude: 44.05168 Easting: 784,675 Longitude: -88.56970

Location Map



Inspection Date: 7/3/2013 7:14:04 AM Inspection Type: Ongoing Inspector: **JCW** Previous Rainfall (hrs): 72+ Flow Description: Submerged, indeterminate Notes: Isolated petroleum on surface - likely from street runoff. Submerged: Partially Depth (in): 6 Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: Slight ✓ Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130703061054.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results None Inhibited Vegetation: Excessive Sample Location: Pool Benthic Growth: None Green Brown Sample ID: 130703-84 Stains: Slight Rust Stains Time Collected 07:02 ✓ Flow Line Oil Corrosion Paint Other Total Chlorine (field): 0 ppm Free Chlorine (field): mqq Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment Ammonia (field): ppm Graffiti: None pH (field): 7.54 units Erosion: None Temperature (field): 67 ۰F Deposition: None Depth (in): Conductivity (field): 880 μS/cm Damage: None Displacement Undercut Crushed Detergents: 0 mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 12-2075

Supplemental Outfall

Structure Type:

Pond Inlet

Discharge Location:

Non-MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): 15
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702112036.JPG

Outfall Notes:

Fraser Dr curb inlets discharge to NE corner of detention basin.

County Coordinates: Latitude/Longitude:

Northing: 493,106 Latitude: 44.07219 Easting: 777,818 Longitude: -88.59581



Inspection	Date: 7/2/2	2013 12:14:37 PM Ir	spector: JC\	V Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descri Submerged	•	merged, indeterminate Depth (in): 2		fall partially submerged. eened upstream at 12-20			The same of the sa
Illicit Disch	arge Potentia	al: Unlikely	Fiel	d Follow-up	ffice Follow-up		
Floatables:	None	Petrol.	Sheen Suc	s Sewage Al	gae Other		1
Odor:	None	☐ Petrole	eum 🗌 Mus	sty 🗌 Sewage 🔲 C	hlorine Other	1-24	100
		U VOC/S	Solvent 🗌 Fish	ny 🗌 Sulfur 🔲 Fr	ragrant		Anthores and a series
Turbidity:	None						Carlotte Carlotte Carlotte
Color:	None					020130702112	100.JPG
Gross Solid	s: None	Litter	Debri	s Sediment	Other	Sampling Results———	
Vegetation:	None	Inhibite	ed Exces	ssive		Sample Location:	
Benthic Gro	wth: Slight	✓ Green	Brow	n		Sample ID:	
Stains:	Slight	✓ Flow L	ine 🗌 Oil	Rust Stains		Time Collected	
	<u> </u>	Corros	ion 🗌 Paint	Other		Total Chlorine (field):	<i>ppm</i>
Non-illicit:	None	Natura	I Sheen	latural Suds/Foam		Free Chlorine (field):	<i>ppm</i>
	Condition Ass	sessment —				Total Copper (field):	ppm
Graffiti:	None					Ammonia (field):	ppm
Erosion:	None					pH (field):	units
Depositio		Depth (in):				Temperature (field):	°F
Damage:		,	Jndercut [Crushed		Conductivity (field): Detergents:	μS/cm ma/l
			Cracks/Structur			Phenol:	mg/L mg/L

Outfall ID: 12-2075 US1

Supplemental Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-2075

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702113312.JPG

Outfall Notes:

Upstream curb inlet located approx 47 ft NE of outfall 12-2075. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 493,136 Latitude: 44.07227 Easting: 777,854 Longitude: -88.59567



Inspection Date: 7/2/2013 12:3	1:01 PM Inspector: JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: Submerged,	indeterminate Notes:	A STATE OF THE STA
Submerged: Partially Dept	th (in): 2	
Illicit Discharge Potential: Unli	kely	
Floatables: None	☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Oth	ner
Odor: None	☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Oth	ner
	UOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant	
Turbidity: None		07/02/2013 12:33
Color: None		o20130702113322.JPG
Gross Solids: None	☐ Litter ☐ Debris ☐ Sediment ☐ Other	Sampling Results
Vegetation: None	☐ Inhibited ☐ Excessive	Sample Location: Pool
Benthic Growth: None	☐ Green ☐ Brown	Sample ID: 130702-63
Stains: Moderate	✓ Flow Line ☐ Oil ☐ Rust Stains	Time Collected 12:30
	Corrosion Paint Other	Total Chlorine (field): 0 ppm
Non-illicit: None	Natural Sheen Natural Suds/Foam	Free Chlorine (field): 0 ppm
Physical Condition Assessment		Total Copper (field): 0 ppm
		Ammonia (field): 0 ppm
Graffiti: None		pH (field): 8.62 units
Erosion: None		Temperature (field): 76 °F
Deposition: None Depth	(in):	Conductivity (field): 601 μS/cm
Damage: None 🗌 Dis	splacement Undercut Crushed	Detergents: 0 mg/L
Col	rrosion Cracks/Structural Damage	Phenol: mg/L

Outfall ID: 12-2079

Supplemental Outfall

Structure Type:

Pond Inlet

Discharge Location:

Non-MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): 30
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130702112506.JPG

Outfall Notes:

Hemlock Ct storm sewer discharges to NW corner of detention basin.

 ${\bf County\ Coordinates:}\qquad {\bf Latitude/Longitude:}$

Northing: 493,134 Latitude: 44.07226 Easting: 777,600 Longitude: -88.59664



Inspection	Date: 7/2/2	2013 12:18:42 PM	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Desci	•	merged, indeterminate Depth (in): 3	Notes:				2
Illicit Disch	arge Potenti	al: Unlikely	Field F	follow-up O	ffice Follow-up		
Floatables:	Moderate	Petrol.	Sheen Suds	☐ Sewage ✓ Al	gae Other		
Odor:	None	☐ Petrole	eum Musty	Sewage C	hlorine Other		
		U VOC/S	Solvent Fishy	Sulfur Fr	agrant		07/02/2010 12:25
Turbidity:	None						
Color:	None					020130702112	524.JPG
Gross Solid	ls: None	Litter	Debris	Sediment	Other	Sampling Results ———	
Vegetation:	None	Inhibite	ed Excessiv	/e		Sample Location:	
Benthic Gro	wth: Slight	Green	✓ Brown			Sample ID:	
Stains:	Moderat	e Flow L	ine 🗌 Oil	Rust Stains		Time Collected	
		☐ Corros	ion 🗌 Paint	Other		Total Chlorine (field):	ppm
Non-illicit:	None	□ Natura	l Sheen Natu	ıral Suds/Foam		Free Chlorine (field):	ppm
– Physical	Condition Ass	sessment —				Total Copper (field):	<i>ppm</i>
Graffiti:	None					Ammonia (field):	<i>ppm</i>
Erosion:	None					pH (field):	units
Deposition		Depth (in):				Temperature (field):	°F
Deposition Damage:		, _				Conductivity (field):	μS/cm
Damage.	NOTIE			Crushed		Detergents:	mg/L
		Corrosion (Cracks/Structural I	Damage		Phenol:	mg/L

Outfall ID: 12-2079 US1

Supplemental Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-2079

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702112826.JPG

Outfall Notes:

Upstream manhole located approx 52 ft NW of outfall 12-2079. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 493,173 Latitude: 44.07237 Easting: 777,565 Longitude: -88.59678



Inspection	Date: 7/2/2	2013 12:24:58 PM	Inspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descri Submerged	ription: Non	e Depth (in):	Notes: Manho	ole dry at time of inspe	ection.		
Illicit Disch	arge Potentia	al: Unlikely	Field F	Follow-up O	ffice Follow-up		
Floatables:	None	☐ Petr	ol. Sheen 🗌 Suds	Sewage Al	lgae Other		
Odor:	None	☐ Petr	oleum	☐ Sewage ☐ C	hlorine Other		
		\ \ \ \	C/Solvent Fishy	Sulfur Fr	ragrant	100	0748747334 472 20
Turbidity:	None					1 Day	120
Color:	None					0201307021128	836.JPG
Gross Solid	s: None	Litte	r Debris	Sediment	Other	Sampling Results	
Vegetation:	None	Inhib	oited Excessiv	ve		Sample Location:	
Benthic Gro	wth: None	☐ Gree	en 🗌 Brown			Sample ID:	
Stains:	None	Flow	Line Oil	Rust Stains		Time Collected	
		☐ Corr	osion	Other		Total Chlorine (field):	<i>ppm</i>
Non-illicit:	None	☐ Natu	ıral Sheen 🔲 Natı	ural Suds/Foam		Free Chlorine (field):	ppm
– Physical	Condition Ass	essment —				Total Copper (field):	<i>ppm</i>
Graffiti:	None	Cosmon				Ammonia (field):	<i>ppm</i>
Erosion:	None					pH (field):	units
		Donth (in)				Temperature (field):	°F
Depositio		Depth (in):	_			Conductivity (field):	μS/cm
Damage:	None	Displacement _	_	Crushed		Detergents:	mg/L
		Corrosion	Cracks/Structural	Damage		Phenol:	mg/L

Outfall ID: 12-2089

Supplemental Outfall

Structure Type:

Pond Inlet

Discharge Location:

Non-MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): 15 Height/Depth (in):

Mapping Precison:

Mapping GPS

Width (in):

☐ Not Physically Located

o20130702111636.JPG

Outfall Notes:

Edgewood Rd storm sewer discharges to NE corner of detention basin.

County Coordinates: Latitude/Longitude:

Northing: 493,083 Latitude: 44.07212 Easting: 777,842 Longitude: -88.59572



Inspection	Date: 7/	2/2013 12:11:24 PM	Inspector:	JCW	Inspection T	Гуре: Опс	joing	Previous Rainfall (hrs):	72+	
Flow Desci Submerged	•	ubmerged, indeterminate Depth (in): 3	Notes:		partially submer d upstream at 1			Vill		
Illicit Disch	arge Poter	ntial: Unlikely		Field Fol	llow-up	Office F	ollow-up			19/14 T
Floatables:	Severe	☐ Petr	ol. Sheen 🗌	Suds	Sewage •	✓ Algae	Other			1000
Odor:	None	Petr	oleum	Musty	Sewage	Chlorin	e Other			
		Voc	S/Solvent	Fishy	Sulfur	Fragrar	nt		Ò.	
Turbidity:	None									
Color:	None							0201307021110	644.JF	G
Gross Solid	ls: Moder	ate Litte	r 🗸	Debris	Sediment	Other	Г	Sampling Results ———		
Vegetation:	None	Inhib	oited	Excessive	;			Sample Location:		
Benthic Gro	wth: Moder	ate Gree	en 🗌	Brown				Sample ID:		
Stains:	Moder	rate	Line	Oil	Rust Stain	ıs		Time Collected		
		✓ Corr	osion	Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None	□ Natu	ıral Sheen	☐ Natura	al Suds/Foam			Free Chlorine (field):		ppm
- Physical	Condition A	Issessment —						Total Copper (field):		ppm
Graffiti:	None	accocomon.						Ammonia (field):		ppm
								pH (field):		units
Erosion:	None	D 11 (1)						Temperature (field):		°F
Deposition		Depth (in):						Conductivity (field):		μS/cm
Damage:	None	Displacement] Undercut	□ C	rushed			Detergents:		mg/L
		☐ Corrosion ☐	Cracks/St	ructural Da	amage			Phenol:		mg/L

Outfall ID: 12-2089 US1

Supplemental Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-2089

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702114138.JPG

Outfall Notes:

Upstream manhole located approx 86 ft E of outfall 12-2089. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 493,085 Latitude: 44.07213 Easting: 777,928 Longitude: -88.59539



Inspection Date	e: 7/2/2013 12:39:48	3 PM Inspector:	JCW Inspe	ction Type:	Ongoing	Previous Rainfall (hrs)	: 72+	
Flow Description	on: Submerged, inde	eterminate Notes:						A
Submerged: P	artially Depth (ir	n): 1						
Illicit Discharge	e Potential: Unlikely		Field Follow-up	Off	fice Follow-up		秦	
Floatables: Nor	ne	Petrol. Sheen	Suds Sew	vage 🗌 Alg	gae 🗌 Other			
Odor: Nor	ne	Petroleum	☐ Musty ☐ Sev	age 🗌 Ch	lorine Other	THE STATE OF		
			☐ Fishy ☐ Sulf	ur 🗌 Fra	agrant			Jan Jan
Turbidity: Nor	ne					X	077/027	2013 1240 1
Color: Nor	ne					02013070211	4148.JI	₽G
Gross Solids:	None	Litter	Debris Sed	iment 🗌 C	Other	-Sampling Results-		
Vegetation:	None	Inhibited	Excessive			Sample Location: Po	ol	
Benthic Growth:	None	Green	Brown			Sample ID: 13	0702-6	1
Stains:	Slight	✓ Flow Line	Oil Rus	t Stains		Time Collected 12	:36	
		Corrosion	Paint Oth	er		Total Chlorine (field):	0	ppm
Non-illicit:	None	Natural Sheen	Natural Suds/	-oam		Free Chlorine (field):	0	ppm
— Physical Con	dition Assessment —			_		Total Copper (field):	0	ppm
						Ammonia (field):	0	ppm
Graffiti:	None					pH (field):	8.08	units
Erosion:	None					Temperature (field):	74	°F
Deposition:	None Depth (in):					Conductivity (field):	1049	μS/cm
Damage:	None Displac	ement Undercut	Crushed			Detergents:		mg/L
	Corrosi	on Cracks/St	tructural Damage			Phenol:		mg/L

Outfall ID: 12-2092a

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): 24
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

OLI SLIB III e

o20130716103252.JPG

Outfall Notes:

Twin outlet pipes from detention basin discharge to stream from east.

County Coordinates: Latitude/Longitude:

Northing: 492,880 Latitude: 44.07157 Easting: 778,198 Longitude: -88.59436



Inspection Da	ite: 7/16/2013 11:26:4	14 AM Inspector:	JCW Inspe	ction Type: Ongoing	ı	Previous Rainfall (hr	s): 72+	
Flow Descript Submerged: 1	tion: Moderate None Depth (ir	Notes:		eening location - sam Itfall pool. Apron disp			19	
Illicit Discharg		,	Field Follow-up	Office Follow	w-up			1 00 C
Floatables: Mo	oderate	Petrol. Sheen	Suds Sew	age 🗸 Algae 🗌	Other			1
Odor: No	one	Petroleum	☐ Musty ☐ Sew	age Chlorine	Other			105
		VOC/Solvent	Fishy Sulf	ur 🗌 Fragrant		CAVAL CONTRACTOR	TIM	1
Turbidity: No	one							
Color: No	one					020130716	\$103302.JF	PG
Gross Solids:	None	Litter	Debris Sedi	ment Other	_	Sampling Results—		
Vegetation:	None	☐ Inhibited ☐	Excessive			Sample Location: F	low	
Benthic Growth	h: Severe	✓ Green ✓	Brown			Sample ID:	30716-7	1
Stains:	Moderate	✓ Flow Line	Oil Rus	Stains		Time Collected	11:28	
		Corrosion	Paint Othe	er		Total Chlorine (field):	0	ppm
Non-illicit:	None	Natural Sheen	Natural Suds/F	oam		Free Chlorine (field):	0	ppm
– Physical Col	ndition Assessment —			¬		Total Copper (field):	0	ppm
						Ammonia (field):	0	ppm
Graffiti:	None					pH (field):	7.81	units
Erosion:	None					Temperature (field):	80	°F
Deposition:	None Depth (in):					Conductivity (field):	796	μS/cm
Damage:	Moderate 🗹 Displac		Crushed			Detergents:	0	mg/L
	☐ Corrosi	ion Cracks/Str	ructural Damage			Phenol:		mg/L

Outfall ID: 12-2093

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): 24 Height/Depth (in):

Mapping Precison:

Mapping GPS

Width (in):

☐ Not Physically Located

o20130716112522.JPG

Outfall Notes:

Discharge from detention basin discharges to stream from west.

County Coordinates: Latitude/Longitude:

Northing: 492,561 Latitude: 44.07069 Easting: 778,143 Longitude: -88.59457



Inspection D	Date: 7/16/2	2013 12:20:03	3 PM Ins	pector:	JCW	Inspection Typ	e: Ongoir	ng	Previous Rainfall (hrs):	72+	
Flow Descri	ption: None			Notes:		wet, but no colle	ctable flow	at time			
Submerged:	None	Depth (in)	:		of inspec	tion.					
Illicit Discha	arge Potential	: Unlikely	Ų		Field Follo	ow-up	Office Foll	low-up			
Floatables:	None		Petrol. S	Sheen 🗌] Suds [Sewage	Algae	Other			- FIN
Odor:	None		Petrole	ım 🗌] Musty [Sewage	Chlorine [Other		17	1
_			☐ VOC/So	lvent [] Fishy [Sulfur	Fragrant			07/16/	2013 12:25
Turbidity:	None										
Color:	None								o20130716112	548.JF	PG
Gross Solids	: Slight		✓ Litter		Debris [Sediment	Other	Г	Sampling Results———		
Vegetation:	None		Inhibited	t	Excessive				Sample Location:		
Benthic Grow	vth: None		Green		Brown				Sample ID:		
Stains:	Slight		✓ Flow Lir	ie 🗌	Oil [Rust Stains			Time Collected		
			Corrosio	n 🗌	Paint [Other			Total Chlorine (field):		ppm
Non-illicit:	None		Natural	Sheen	☐ Natural	I Suds/Foam			Free Chlorine (field):		ppm
– Physical C	Condition Asse	essment							Total Copper (field):		ppm
Graffiti:	None	Johnson							Ammonia (field):		ppm
									pH (field):		units
Erosion:	None	Describe (C.)							Temperature (field):		°F
Deposition		Depth (in):							Conductivity (field):		μS/cm
Damage:	None	Displace	ement 🗌 U	ndercut	Crı	ushed			Detergents:		mg/L
		Corrosio	n 🗌 C	acks/St	ructural Dar	mage			Phenol:		mg/L

Outfall ID: 13-68

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Drainage Basin:

Campbell Creek

- Dimensions

Diameter (in): 18 Height/Depth (in):

Width (in):

Mapping Precison: Mapping GPS

☐ Not Physically Located

o20130730081150.JPG

Outfall Notes:

Universal St storm sewer discharges to stream from west.

County Coordinates: Latitude/Longitude:

Northing: 464,494 Latitude: 43.99370 Easting: 778,343 Longitude: -88.59369



Inspection I	Date: 7/30)/2013 9:08:31 AN	I Inspe	ctor:	JCW	Inspect	ion Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri Submerged:	•	omerged, indeterr Depth (in):		ites:		partially su ged upstre	_				
Illicit Discha	arge Potenti	al: Unlikely			Field Fo	llow-up	_ O	ffice Follow-up		1	
Floatables:	None		Petrol. She	en 🗌	Suds	Sewa	ge 🗌 Al	lgae 🗌 Oth	er P		
Odor:	None		Petroleum		Musty	Sewa	ge 🗌 C	hlorine Oth	er Properties		15
۔			VOC/Solve	nt 🗌	Fishy	Sulfui	· Fr	ragrant		X	
Turbidity:	None										
Color:	None								020130730081	156.JF	PG
Gross Solids	: None		Litter)ebris	Sedin	nent 🗌	Other	Sampling Results		
Vegetation:	None		Inhibited		xcessive)			Sample Location:		
Benthic Grov	wth: Slight	✓	Green	✓ E	Brown				Sample ID:		
Stains:	Slight		Flow Line		Dil	☐ Rust	Stains		Time Collected		
		✓	Corrosion	F	aint	Other			Total Chlorine (field):		ppm
Non-illicit:	None		Natural She	een [Natur	al Suds/Fo	am		Free Chlorine (field):		ppm
— Physical (Condition Ass	sessment —	,						Total Copper (field):		ppm
Graffiti:		sessinem							Ammonia (field):		ppm
Erosion:	None None								pH (field):		units
		Donth (in), 1							Temperature (field):		°F
Deposition		Depth (in): 1	_						Conductivity (field):		μS/cm
Damage:	None	Displaceme				rushed			Detergents:		mg/L
		Corrosion	Crack	ks/Stru	uctural D	amage			Phenol:		mg/L

Outfall ID: 13-68

Inspection Date	e: 9/3/2009	In	spector: JCV	/ Inspe	ction Type: Ini	itial	Previous Rainfall (hrs):	72+	
Flow Description	on: None		Notes: Wet	, but no flow	leaving pipe.			All la	A I
Submerged: N	one D	Pepth (in): 0					(1) Graff		1
Illicit Discharge	e Potential: U	Inlikely	Field	follow-up	Office	Follow-up			
Floatables:		Petrol.	Sheen Sud	s 🗌 Sew	age 🗌 Algae	Other		-(_1
Odor:		Petrole		,				5	
Turbidity:			olvent i isn	y 🗀 Suii	ui ∐ilagia	anı		>	and a ac
Color:							Osh09_DSCN6	413.JF	PG
Gross Solids:		Litter	Debris	Sed Sed	ment Oth	er _	Sampling Results———		
Vegetation:		Inhibite	ed Exces	sive			Sample Location:		
Benthic Growth:		Green	Brown	1			Sample ID:		
Stains:		☐ Flow Li	ne 🗌 Oil	Rus	Stains		Time Collected		
		Corrosi	ion	Othe	er		Total Chlorine (field):		ррт
Non-illicit:	None	☐ Natural	Sheen N	atural Suds/F	oam		Free Chlorine (field):		ppm
⊢ Physical Con	dition Assessme	 ent			٦		Total Copper (field):		ppm
Graffiti:	None						Ammonia (field):		ppm
Erosion:	None						pH (field):		units
		nth (in): 1					Temperature (field):		°F
Deposition:		pth (in): 1		_			Conductivity (field):		μS/cm
Damage:	None	Displacement U	Jndercut [Crushed			Detergents:		mg/L
		Corrosion C	Cracks/Structura	al Damage			Phenol:		mg/L

Outfall ID: 13-68 US1

Major Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-68

Drainage Basin:

Campbell Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

07/30/2013 09:16

o20130730081600.JPG

Outfall Notes:

Upstream curb inlet located approx 51 ft W of outfall 13-68. Intermediate area consists of street right-ofway.

County Coordinates: Latitude/Longitude:

Northing: 464,491 Latitude: 43.99370 Easting: 778,292 Longitude: -88.59388



Inspection Dat	te: 7/30/2013 9:13:48	M Inspector: JCW Inspection Type	e: Ongoing	Previous Rainfall (hrs):	72+
Flow Descripti	ion: Submerged, inde	rminate Notes:		The second second	
Submerged: P	Partially Depth (in	2			19/10
Illicit Discharg	je Potential: Unlikely	Field Follow-up	Office Follow-up		
Floatables: No	one	Petrol. Sheen Suds Sewage	Algae		
Odor: No	one	Petroleum Musty Sewage	Chlorine Other		
		UOC/Solvent ☐ Fishy ☐ Sulfur ☐	Fragrant		07/20/00/17 00/14
Turbidity: No	one			A PRINCIPLE AND THE	0773072013 pg:16
Color: No	one			02013073008	1608.JPG
Gross Solids:	None	Litter Debris Sediment	Other	Sampling Results	
Vegetation:	None	☐ Inhibited ☐ Excessive		Sample Location: Poo	ol
Benthic Growth	: Slight	✓ Green ☐ Brown		Sample ID: 130	0730-70
Stains:	None	Flow Line Oil Rust Stains		Time Collected 09:	11
		Corrosion Paint Other		Total Chlorine (field):	0 ppm
Non-illicit:	None	Natural Sheen Natural Suds/Foam		Free Chlorine (field):	0 <i>ppm</i>
— Physical Con	ndition Assessment —			Total Copper (field):	0 ppm
				Ammonia (field):	0 <i>ppm</i>
Graffiti:	None			pH (field):	7.43 <i>units</i>
Erosion:	None			Temperature (field):	71 ° <i>F</i>
Deposition:	None Depth (in):			· · · · · · · · · · · · · · · · · ·	1923 <i>μS/cm</i>
Damage:	None Displac	ment Undercut Crushed		Detergents:	0 mg/L
	Corrosi	Cracks/Structural Damage		Phenol:	0 mg/L

Outfall ID: 13-1098

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Campbell Creek

Dimensions

Diameter (in): 24 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730070404.JPG

Outfall Notes:

Storm sewer discharges to channel from south.

County Coordinates: Latitude/Longitude:

Northing: 463,926 43.99214 Latitude: Easting: 778,351 Longitude: -88.59366



Inspection Date: 7/30/2013 7:5	7:44 AM Inspector: JCW	Inspection Type: Ongoing	Previous Rainfall (hrs):	72+
Flow Description: Submerged (In Submerged: Fully Dept		ot located in grassy stream bank. ned upstream at 13-1098 US1.	Out	
Illicit Discharge Potential: Unlik	Eely Field F	Follow-up Office Follow-up	No.	
Floatables: None	Petrol. Sheen Suds	Sewage Algae Othe	r S	Part Site
Odor: None	Petroleum Musty	Sewage Chlorine Othe	r / 1003	
	☐ VOC/Solvent ☐ Fishy	Sulfur Fragrant		对面外一
Turbidity: None				WAY ON S
Color: None			0201307300704	110.JPG
Gross Solids: None	Litter Debris	Sediment Other	Sampling Results	
Vegetation: None	☐ Inhibited ☐ Excessive	ve	Sample Location:	
Benthic Growth: None	Green Brown		Sample ID:	
Stains: None	Flow Line Oil	Rust Stains	Time Collected	
	Corrosion Paint	Other	Total Chlorine (field):	ppm
Non-illicit: None	Natural Sheen Natu	ural Suds/Foam	Free Chlorine (field):	<i>ppm</i>
Physical Condition Assessment			Total Copper (field):	<i>ppm</i>
			Ammonia (field):	<i>ppm</i>
			pH (field):	units
Erosion: None	(:).		Temperature (field):	° <i>F</i>
Deposition: None Depth			Conductivity (field):	μS/cm
		Crushed	Detergents:	mg/L
Cor	rosion Cracks/Structural I	Damage	Phenol:	mg/L

Outfall ID: 13-1098

Inspection Date	e: 9/3/20	0 09 I	nspector:	JCW	Inspection	n Type:	Initial	Previous Rainfall (hrs):	72+	
Flow Description	on: Subm	nerged, indeterminate	Notes:					MASS JAKES		
Submerged: P	artially	Depth (in): 23							*	
Illicit Discharge	e Potential	I: Unlikely		Field Fo	ollow-up	Of	fice Follow-up		100	
Floatables:		☐ Petrol	. Sheen 🗌	Suds	Sewage	e 🗌 Al	gae 🗌 Othe	er Commonwer	1	
Odor:		Petrol	eum 🗌 Solvent 🗌	Musty Fishy	Sewag		nlorine 🗌 Othe agrant	er		
Turbidity:									00	3-2008 10/47
Color:								Osh09_DSCN6	6427.J	PG
Gross Solids:		Litter		Debris	Sedime	ent 🗌 (Other	Sampling Results		
Vegetation:		Inhibit	ed 🗌 E	Excessiv	е			Sample Location:		
Benthic Growth:		Green	E	Brown				Sample ID:		
Stains:		☐ Flow L	ine 🗌 (Oil	Rust S	tains		Time Collected		
		☐ Corros	sion 🗌 F	Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None	☐ Natura	al Sheen	Natu	ral Suds/Foa	ım		Free Chlorine (field):		ppm
Physical Con	dition Asse	essment —						Total Copper (field):		ppm
Graffiti:	None	ocomone.						Ammonia (field):		ppm
								pH (field):		units
Erosion:	None	Devette (to): 40						Temperature (field):		°F
Deposition:		Depth (in): 18						Conductivity (field):		μS/cm
Damage:	None	Displacement	Undercut		Crushed			Detergents:		mg/L
		☐ Corrosion ☐	Cracks/Str	uctural D	amage			Phenol:		mg/L

Outfall ID: 13-1098 US1

Major Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-1758

Drainage Basin:

Campbell Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730073628.JPG

Outfall Notes:

Upstream inlet located approx 103 ft S of outfall 13-1098. Intermediate area consists of driveway to industrial property.

County Coordinates: Latitude/Longitude:

Northing: 463,823 Latitude: 43.99186 Easting: 778,349 Longitude: -88.59366



Inspection	Date: 7/30	D/2013 8:33:34 AM	Inspector	: JCW	Inspec	tion Type:	Ongoing	Previous Rainfall (h	rs): 72+	-
Flow Descr	iption: Sub	omerged, indetermi	nate Notes	:					Parks Fil	
Submerged:	Partially	Depth (in): 22								
Illicit Discha	arge Potenti	al: Unlikely		Field Fo	ollow-up	Ot	ffice Follow-up	A STATE OF THE STA		
Floatables:	None	F	etrol. Sheen	Suds	Sewa	age 🗌 Al	gae 🗌 Othe	er		17
Odor:	None	F	Petroleum	Musty	Sewa	age 🗌 Cl	hlorine 🗌 Othe	er	-3	
			OC/Solvent	Fishy	Sulfu	r 🗌 Fr	agrant		- Are Sales	100 6
Turbidity:	None									, 0
Color:	None							o2013073	0073636.JI	PG
Gross Solids	s: Slight	L	itter 🗸	Debris	✓ Sedir	ment 🔲 (Other	- Sampling Results -		
Vegetation:	None		nhibited	Excessive	е			Sample Location:	Pool	
Benthic Grov	wth: None		Green [Brown				Sample ID:	130730-5	9
Stains:	None	F	low Line] Oil	☐ Rust	Stains		Time Collected	08:32	
			Corrosion	Paint	Othe	r		Total Chlorine (field)	: 0	ррт
Non-illicit:	None		latural Sheen	☐ Natu	ral Suds/F	oam		Free Chlorine (field)	: 0	ppm
– Physical (Condition As	sessment —						Total Copper (field):	0	ppm
Graffiti:	None	occomoni						Ammonia (field):	0	ppm
Erosion:	None							pH (field):	7.4	units
		Danth (in)						Temperature (field):	65	°F
Deposition		Depth (in): 2	_	_				Conductivity (field):	1654	μS/cm
Damage:	None	Displacement	Undercu	t 🗌 (Crushed			Detergents:	0	mg/L
		Corrosion	Cracks/S	Structural D	amage			Phenol:	0	mg/L

Outfall ID: 13-1098 US1

Inspection Date:	9/3/2009 In	spector: JCW	Inspection Type: Initial	Previous Rainfall (hrs): 72+
Flow Description:	Submerged, indeterminate	Notes:		
Submerged: Partial	ly Depth (in): 13			
Illicit Discharge Pot	ential: Unlikely	Field F	ollow-up Office Follow-u	p
Floatables:	Petrol.	Sheen Suds	Sewage Algae O	ther
Odor:	Petrole VOC/S		Sewage Chlorine O Sulfur Fragrant	ther
Turbidity:				
Color:				Osh09_DSCN6853.JPG
Gross Solids:	Litter	Debris	Sediment Other	_ Sampling Results
Vegetation:	Inhibite	d Excessiv	re	Sample Location: Pool
Benthic Growth:	Green	Brown		Sample ID: 090903-35
Stains:	☐ Flow Li	ne 🗌 Oil	Rust Stains	Time Collected 10:52
	☐ Corros	on 🗌 Paint	Other	Total Chlorine (field): 0 ppm
Non-illicit: Non	e Natura	Sheen Natu	ıral Suds/Foam	Free Chlorine (field): 0 ppm
Physical Condition	Assessment —			Total Copper (field): 0 ppm
Graffiti: Non				Ammonia (field): ppm
				pH (field): 7.09 units
Erosion: Non				Temperature (field): 70 °F
Deposition: Non				Conductivity (field): μS/cm
Damage: Non	e Displacement U	Indercut 0	Crushed	Detergents: 0 mg/L
	Corrosion C	cracks/Structural D	Damage	Phenol: 0 mg/L

Outfall ID: 13-1174

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Elliptical

Material:

CMP

City ID:

N/A

Drainage Basin:

Campbell Creek

Dimensions

Diameter (in):

Height/Depth (in): 36

Width (in): 58

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730071544.JPG

Outfall Notes:

Universal St storm sewer discharges to channel from west.

County Coordinates: Latitude/Longitude:

43.99210 Northing: 463,908 Latitude: Easting: 778,282 Longitude: -88.59392



Inspection Dat	te: 7/30/2013 8:07:14	1 AM Inspector:	JCW Inspec	ction Type: Ongoir	ng	Previous Rainfall (hrs):	72+	
Flow Descripti Submerged: P	ion: Submerged, inde Partially Depth (in		blocking end of p	y branches and root pipe. Partially subme am at 13-1174 US1.	erged -			
Illicit Discharg	e Potential: Unlikely	′ _	Field Follow-up	Office Foll	low-up			N.X
Floatables: No	ne	Petrol. Sheen	Suds Sew	age 🗌 Algae	Other	A SAIN	àr.	-1-3
Odor: No	one	Petroleum	Musty Sew	age Chlorine	Other			
		☐ VOC/Solvent ☐	Fishy Sulf	ur 🗌 Fragrant				
Turbidity: No	one						17	- 300
Color: No	one					o201307300715	54.JF	PG
Gross Solids:	Slight	✓ Litter	Debris 🗌 Sedi	iment Other	Г.	Sampling Results———		
Vegetation:	None	☐ Inhibited ☐ I	Excessive			Sample Location:		
Benthic Growth	: None	Green	Brown			Sample ID:		
Stains:	Slight	Flow Line	Oil Rust	t Stains		Time Collected		
		Corrosion I	Paint Othe	er .		Total Chlorine (field):		ppm
Non-illicit:	None	Natural Sheen	☐ Natural Suds/F	- oam		Free Chlorine (field):		ppm
	ndition Assessment —		: tata: a: Gaac;	_		Total Copper (field):		ppm
						Ammonia (field):		ppm
Graffiti:	None					pH (field):		units
Erosion:	None					Temperature (field):		°F
Deposition:	None Depth (in):	:				Conductivity (field):		μS/cm
Damage:	None Displac	cement Undercut	Crushed			Detergents:		mg/L
	Corrosi	ion Cracks/Str	uctural Damage			Phenol:		mg/L

Outfall ID: 13-1174

Inspection Date	e: 9/3/20	009 lr	nspector: JCW	Inspection	n Type: Ini	tial	Previous Rainfall (hrs):	72+	
Flow Description	on: Subm	nerged, indeterminate	Notes:				The same		
Submerged: P	artially	Depth (in): 34							4
Illicit Discharge	e Potential	I: Unlikely	Field	Follow-up	Office	Follow-up		1	
Floatables:		Petrol.	. Sheen 🗌 Suds	Sewage	Algae	Other			
Odor:		Petrole	eum	√ ☐ Sewage ☐ Sulfur	☐ Chlori				
Turbidity:								£ 00 0	2003 10 15
Color:							Osh09_DSCN6	420.JF	PG
Gross Solids:		Litter	Debris	Sedime	nt 🗌 Othe	er _	Sampling Results		
Vegetation:		Inhibit	ed 🗌 Excess	ive			Sample Location:		
Benthic Growth:		☐ Green	Brown				Sample ID:		
Stains:		☐ Flow L	ine 🗌 Oil	Rust Sta	ains		Time Collected		
		☐ Corros	sion 🗌 Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None	Natura	al Sheen Nat	tural Suds/Foar	n		Free Chlorine (field):		ppm
⊢ Physical Con	dition Asse	essment —					Total Copper (field):		ppm
Graffiti:	None						Ammonia (field):		ppm
Erosion:	None						pH (field):		units
	None	Donth (in). 7					Temperature (field):		°F
Deposition:	Nama	Depth (in): 7					Conductivity (field):		μS/cm
Damage:	None		Undercut	Crushed			Detergents:		mg/L
		Corrosion 0	Cracks/Structural	Damage			Phenol:		mg/L

Outfall ID: 13-1174 US1

Major Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Water of the State

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

N/A

Drainage Basin:

Campbell Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730073044.JPG

Outfall Notes:

Upstream manhole (inlet) located approx 112 ft SSW of outfall 13-1174. Intermediate area consists of driveway to industrial property.

County Coordinates: Latitude/Longitude:

Northing: 463,803 Latitude: 43.99181 Easting: 778,246 Longitude: -88.59405



Inspection D	Date: 7/30	/ 2013 8:27:20 AM Ir	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs): 72+	
Flow Descri	ption: Sub	merged, indeterminate	Notes:					
Submerged:	Partially	Depth (in): 21				A STATE OF THE STA		
Illicit Discha	arge Potentia	al: Unlikely	Field	Follow-up O	ffice Follow-up			
Floatables:	None	Petrol.	Sheen Suds	Sewage A	lgae 🗌 Other			
Odor:	None	☐ Petrole	eum 🗌 Musty	Sewage 🗌 C	hlorine Other			
_		U VOC/S	Solvent 🗌 Fishy	Sulfur F	ragrant	14	43/20/	2000000
Turbidity:	None						O'AS AMI	13 108-30
Color:	None					0201307300	173052.JI	PG
Gross Solids	: None	Litter	Debris	Sediment	Other	Sampling Results		
Vegetation:	None	Inhibite	ed Excess	ve		Sample Location: P	ool	
Benthic Grov	vth: None	Green	Brown			Sample ID: 13	30730-0	3
Stains:	None	☐ Flow L	ine 🗌 Oil	Rust Stains		Time Collected 08	3:25	
		☐ Corros	ion	Other		Total Chlorine (field):	0	ppm
Non-illicit:	None	□ Natura	l Sheen □ Nat	ural Suds/Foam		Free Chlorine (field):	0	ppm
	Condition Ass		0.1.001.	arar Gaaayi Gaiii		Total Copper (field):	0	ppm
		essment				Ammonia (field):	0	ppm
Graffiti:	None					pH (field):	8.19	units
Erosion:	None	5 (1.)				Temperature (field):	65	°F
Deposition		Depth (in):				Conductivity (field):	1606	μS/cm
Damage:	None	☐ Displacement ☐ U	Jndercut	Crushed		Detergents:	0	mg/L
		Corrosion (Cracks/Structural	Damage		Phenol:	0	mg/L

Outfall ID: 13-1174 US1

Inspection Date:	9/3/2009	nspector: JCW	Inspection Type:	Initial	Previous Rainfall (hrs)	: 72+	
Flow Description	: Submerged, indeterminate	Notes:			1	11	11/1/19
Submerged: Part	tially Depth (in): 25					117	111111111111111111111111111111111111111
Illicit Discharge F	Potential: Unlikely	Field Foll	ow-up Off	fice Follow-up			Mario Contraction of the Contrac
Floatables:	☐ Petro	. Sheen 🗌 Suds	Sewage Alg	gae Other			
Odor:	Petro	eum		lorine Other			-51
Turbidity:						09.1	1 2009 09 74
Color:					Osh09_DSCN	16850.JI	PG
Gross Solids:	Litter	Debris	Sediment C	Other	Sampling Results——		
Vegetation:	☐ Inhibi	ed Excessive			Sample Location: Po	ol	
Benthic Growth:	Green	Brown			Sample ID: 090	903-4	0
Stains:	☐ Flow	ine Oil	Rust Stains		Time Collected 10:	26	
	☐ Corro	sion 🗌 Paint	Other		Total Chlorine (field):	0	ppm
Non-illicit: N	lone Natur	al Sheen	l Suds/Foam		Free Chlorine (field):	0	ppm
☐ Physical Condit	tion Assessment —				Total Copper (field):	0	ppm
	lone				Ammonia (field):		ppm
					pH (field):	8.04	units
	lone				Temperature (field):	69	°F
'	lone Depth (in): 0				Conductivity (field):		μS/cm
Damage: N	lone Displacement D	Undercut Cr	ushed		Detergents:	0	mg/L
	☐ Corrosion ☐	Cracks/Structural Da	mage		Phenol:	0	mg/L

Outfall ID: 13-1283

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Elliptical

Material:

CMP

City ID:

N/A

Drainage Basin:

Campbell Creek

- Dimensions

Diameter (in):

Height/Depth (in): 40

Width (in): 65

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130730070818.JPG

Outfall Notes:

Universal St storm sewer discharges to channel from west.

County Coordinates: Latitude/Longitude:

Northing: 463,918 Latitude: 43.99212 Easting: 778,272 Longitude: -88.59396



Inspection	Date: 7/30/2013 8:06:45	AM Inspector: JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Descri Submerged:	iption: Submerged, inde Partially Depth (in	screened unstream at 13-1283 US1	
Illicit Discha	arge Potential: Unlikely	☐ Field Follow-up ☐ Office Follow-up	
Floatables:	None	Petrol. Sheen Suds Sewage Algae Other	er
Odor:	None	Petroleum Musty Sewage Chlorine Othe	er / / /
	None		o20130730070826.JPG
	None		0 " 0 "
Gross Solids	s: Slight	✓ Litter □ Debris □ Sediment □ Other	Sampling Results
Vegetation:	None	☐ Inhibited ☐ Excessive	Sample Location:
Benthic Grov	wth: Moderate	✓ Green ☐ Brown	Sample ID:
Stains:	Moderate	✓ Flow Line ☐ Oil ☐ Rust Stains	Time Collected
		✓ Corrosion ☐ Paint ☐ Other	Total Chlorine (field): ppm
Non-illicit:	None	Natural Sheen Natural Suds/Foam	Free Chlorine (field): ppm
— Physical (Condition Assessment —		Total Copper (field): ppm
			Ammonia (field): ppm
Graffiti:	None		pH (field): units
Erosion:	None		Temperature (field): °F
Deposition	1 ()	16	Conductivity (field): μS/cm
Damage:	Minor Displac	ement Undercut Crushed	Detergents: mg/L
	✓ Corrosi	n Cracks/Structural Damage	Phenol: mg/L

Outfall ID: 13-1283

Inspection Date	e: 9/3/20	009	Inspector:	JCW	Inspectio	n Type:	Initial	Previous Rainfall (hrs):	72+	
Flow Description	on: Subm	nerged, indeterminat	e Notes:						1//	
Submerged: Pa	artially	Depth (in): 33							1	
Illicit Discharge	Potential	: Unlikely		Field Fo	ollow-up	Of	fice Follow-up	1	V	
Floatables:		Peti	ol. Sheen [Suds	Sewage	e 🗌 Alg	gae 🗌 Othe	er V	N	
Odor:			roleum [C/Solvent [Musty Fishy	Sewage Sulfur		nlorine	er		
Turbidity:									7	700000
Color:								Osh09_DSCN6	6417.JI	PG
Gross Solids:		Litte	er 🗌	Debris	Sedime	nt 🗌 (Other	Sampling Results		
Vegetation:		Inhi	bited	Excessiv	е			Sample Location:		
Benthic Growth:		Gre	en 🗌	Brown				Sample ID:		
Stains:		☐ Flow	v Line	Oil	Rust St	ains		Time Collected		
		☐ Cor	rosion 🗌	Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None	Nati	ural Sheen	Natu	ral Suds/Foa	m		Free Chlorine (field):		ppm
Physical Cond	dition Asse	essment —						Total Copper (field):		ppm
	None							Ammonia (field):		ppm
								pH (field):		units
	None	Danth (in). 17						Temperature (field):		°F
Deposition:	Mana	Depth (in): 17						Conductivity (field):		μS/cm
Damage:	None	Displacement	Undercut		Crushed			Detergents:		mg/L
		Corrosion	Cracks/S	tructural D	amage			Phenol:		mg/L

Outfall ID: 13-1283 US1

Major Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Water of the State

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-1283

Drainage Basin:

Campbell Creek

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730072300.JPG

Outfall Notes:

Upstream manhole(inlet) located approx 112 ft SSW of outfall 13-1283. Intermediate area consists of street right-of-way. Drop inlet.

County Coordinates: Latitude/Longitude:

463,885 43.99203 Northing: Latitude: Easting: 778,246 Longitude: -88.59406





Inspection Date: 7/30/2013 8:20:12 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+ Flow Description: Submerged, indeterminate Notes: Submerged: Partially Depth (in): 16 Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant 07/30/2013 08:23 Turbidity: None o20130730072308.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results None Inhibited Vegetation: Excessive Sample Location: Pool Benthic Growth: None Green Brown Sample ID: 130730-11 Stains: None Rust Stains Time Collected 08:17 Flow Line Oil Corrosion Paint Other Total Chlorine (field): 0 ppm Free Chlorine (field): mqq Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): 0 ppm Physical Condition Assessment Ammonia (field): ppm Graffiti: None pH (field): 7.59 units Erosion: None Temperature (field): 66 ۰F Deposition: None Depth (in): Conductivity (field): 1221 μS/cm Damage: None ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Phenol: Corrosion Cracks/Structural Damage 0 mg/L

Outfall ID: 13-1283 US1

Inspection Date:	9/3/2009 In	spector: JCW	Inspection Type: Initial	Previous Rainfall (hrs)	: 72+
Flow Description:	Submerged, indeterminate	Notes:		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Submerged: Partia	ally Depth (in): 21				
Illicit Discharge Po	otential: Unlikely	Field Follo	ow-up Office Follow-up		
Floatables:	Petrol.	Sheen Suds	Sewage Algae Oth	er	
Odor:	Petrole VOC/S	_ , ;	Sewage Chlorine Oth Sulfur Fragrant	er	
Turbidity:					09-03, 2004-10-21
Color:				Osh09_DSCN	16423.JPG
Gross Solids:	Litter	Debris	Sediment Other	Sampling Results	
Vegetation:	☐ Inhibite	d Excessive		Sample Location: Po	ol
Benthic Growth:	Green	Brown		Sample ID: 090	0903-32
Stains:	☐ Flow Li	ne 🗌 Oil	Rust Stains	Time Collected 10:	19
	☐ Corrosi	on 🗌 Paint [Other	Total Chlorine (field):	0 <i>ppm</i>
Non-illicit: No	one Natural	Sheen Natural	Suds/Foam	Free Chlorine (field):	0 ppm
Physical Condition	on Assessment —			Total Copper (field):	0 ppm
	one			Ammonia (field):	<i>ppm</i>
				pH (field):	7.32 <i>units</i>
	one Donath (in): 0			Temperature (field):	69 ° <i>F</i>
	one Depth (in): 0	_		Conductivity (field):	μS/cm
Damage: No	one Displacement U	Indercut 🗌 Cru	ushed	Detergents:	0 mg/L
	Corrosion C	racks/Structural Dar	mage	Phenol:	0 <i>mg/L</i>

Outfall ID: 13-1588

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Drainage Basin:

Campbell Creek

- Dimensions

Diameter (in): 36
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130730053858.JPG

Outfall Notes:

Universal St storm sewer discharges to stream from east.

County Coordinates: Latitude/Longitude:

Northing: 461,358 Latitude: 43.98510 Easting: 778,523 Longitude: -88.59299



Inspection	Date: 7/30	/2013 6:33:19 AM	Inspector:	JCW	Inspection	n Type:	Ongoing	Previous Rainfall (h	ırs): 72-	+
Flow Descri Submerged	ription: Tric : None	k le Depth (in):	Notes:							
Illicit Disch	arge Potenti	al: Unlikely		Field Fo	ollow-up	Of	fice Follow-up			The
Floatables:	None	☐ Pe	trol. Sheen	Suds	Sewage	Ale	gae 🗌 Oth	er and the second seco		MAS
Odor:	None	Pe	troleum	Musty	Sewage	Ch	nlorine Oth	er 💮		7
		□ VC	OC/Solvent	Fishy	Sulfur	Fr	agrant		人了我	A Can
Turbidity:	None								DIE	
Color:	None							o2013073	0053908.J	PG
Gross Solid	s: None	Litt	ter	Debris	Sedime	nt 🗌 (Other	Sampling Results		
Vegetation:	None	Inf	nibited	Excessive	Э			Sample Location:	Flow	
Benthic Gro	wth: Slight	✓ Gr	een	Brown				Sample ID:	130730-2	22
Stains:	Moderat	e Flo	ow Line	Oil	Rust Sta	ains		Time Collected	06:35	
		Co	rrosion	Paint	Other			Total Chlorine (field)	: 0	ррт
Non-illicit:	None	□ Na	tural Sheen	☐ Natur	al Suds/Foar	n		Free Chlorine (field)	: 0	ppm
– Physical	Condition Ass	essment						Total Copper (field):	0	ppm
Graffiti:	None	Coomen						Ammonia (field):	0	ppm
								pH (field):	7.38	units
Erosion:	None	Donth (in)						Temperature (field):		°F
Depositio		Depth (in): 3						Conductivity (field):	1764	μS/cm
Damage:	None	Displacement [_		Crushed			Detergents:	0	mg/L
		Corrosion [Cracks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 13-1716

Minor Outfall

Structure Type:

Pond Inlet

Discharge Location:

Downstream Outfall

Shape:

Pipe - Circular

Material:

PVC

City ID:

N/A

Drainage Basin:

Stringham Creek

- Dimensions

Diameter (in): 18
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130731110616.JPG

Outfall Notes:

Discharge pipe from south end of detention basin. Originally believed to be additional pond inlet.

County Coordinates: Latitude/Longitude:

Northing: 465,806 Latitude: 43.99731 Easting: 783,302 Longitude: -88.57485



Inspection Dat	e: 7/31/2013 12:02:1	13 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs	: 72+
Flow Descripti	on: Submerged, inde	eterminate Notes: Water in pipe. Screened at 13-1716 US1.	A CONTRACTOR OF THE PROPERTY O
Submerged: F	Partially Depth (in	n): 2	166
Illicit Discharg	e Potential: Unlikely	☐ Field Follow-up ☐ Office Follow-up	
Floatables: No	ne	☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other	
Odor: Ea	sily detected	☐ Petroleum ☐ Musty ✔ Sewage ☐ Chlorine ☐ Other	
		□ VOC/Solvent □ Fishy □ Sulfur □ Fragrant	
Turbidity: No	ne		
Color: No	ne	0201307311	10622.JPG
Gross Solids:	None	☐ Litter ☐ Debris ☐ Sediment ☐ Other ☐ Campling Results—	
Vegetation:	None	☐ Inhibited ☐ Excessive Sample Location:	
Benthic Growth	: Moderate	✓ Green ☐ Brown Sample ID:	
Stains:	Severe	✓ Flow Line ☐ Oil ☐ Rust Stains Time Collected	
		Corrosion Paint Other Total Chlorine (field):	<i>ppm</i>
Non-illicit:	None	Natural Sheen Natural Suds/Foam Free Chlorine (field):	<i>ppm</i>
— Physical Cor	ndition Assessment —	Total Copper (field):	<i>ppm</i>
		Ammonia (field):	<i>ppm</i>
Graffiti:	None	pH (field):	units
Erosion:	None	Temperature (field):	° <i>F</i>
Deposition:	None Depth (in):	Conductivity (field):	μS/cm
Damage:	None Displac	cement Undercut Crushed Detergents:	mg/L
	☐ Corrosi	ion Cracks/Structural Damage Phenol:	mg/L

Outfall ID: 13-1716

Inspection Date: 9/27/2012 10:55:	26 AM Inspector: .	JCW Inspection Type: Repeat	Previous Rainfall (hrs): 72+
Flow Description: Submerged, no		Ammonia/detergent follow-up. Outfall	
Submerged: Partially Depth (i	n). 0 E	partially submerged; screened at 13-1716 US1.	
Illicit Discharge Potential: Potenti	al F	Field Follow-up	
Floatables: None	Petrol. Sheen S	Suds Sewage Algae Oth	ner Services
Odor: None	Petroleum I	Musty 🗌 Sewage 🗌 Chlorine 🗌 Oth	ner San
	☐ VOC/Solvent ☐ I	Fishy 🗌 Sulfur 🗌 Fragrant	
Turbidity: None]		o20120927095708.JPG
Color: None			
Gross Solids: None		ebris Sediment Other	Sampling Results
Vegetation: None		ccessive	Sample Location:
Benthic Growth: Slight		rown	Sample ID:
Stains: Slight	Flow Line Oi Corrosion Pa	I ☐ Rust Stains aint ☐ Other	Time Collected
			Total Chlorine (field): ppm
Non-illicit: None	Natural Sheen	Natural Suds/Foam	Free Chlorine (field): ppm Total Copper (field): ppm
Physical Condition Assessment —			Ammonia (field): ppm
Graffiti: None			pH (field): units
Erosion: None Deposition: None Depth (in)			Temperature (field): °F
None None	cement Undercut	Crushad	Conductivity (field): µS/cm
Corros		Crushed Carage	Detergents: mg/L Phenol: mg/L
		otarai Bamage	Therion.
Increation Date: 6/12/2012 11:29:	E7 AM Inspector:	ICW Inspection Type: Ongoing	Provious Rainfall (hrs): 72
Inspection Date: 6/12/2012 11:38:		JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: Submerged, ind	eterminate Notes:	Sediment and vegetation buildup on apron blocking flow. Screened upstream	
Flow Description: Submerged, ind Submerged: Partially Depth (i	eterminate Notes: S	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1.	
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti	n): 2 Notes: 3	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None	Notes: Notes: Span Petrol. Sheen	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	ner er
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti	Notes: Signal No	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up Office Follow-up Suds Sewage Algae Oth Musty Sewage Chlorine Oth	ner er
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: None	Notes: Signal No	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	ner er
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: None Turbidity: None	Notes: Signal No	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up Office Follow-up Suds Sewage Algae Oth Musty Sewage Chlorine Oth	ner er
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potential: Floatables: None Odor: None Turbidity: None Color: None	eterminate n): 2 al	Sediment and vegetation buildup on apronoblocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	o20120612104120.JPG
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight	Notes: Notes: Notes: Petrol. Sheen Petroleum VOC/Solvent Litter De	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	o20120612104120.JPG Sampling Results
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight	Notes: Notes: Notes: Petrol. Sheen Petroleum VOC/Solvent Litter De	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	o20120612104120.JPG
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	Notes: Notes: Notes:	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	o20120612104120.JPG Sampling Results Sample Location:
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	Notes: Notes: No	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	o20120612104120.JPG Sampling Results Sample Location: Sample ID:
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	Notes: Notes: Notes:	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	o20120612104120.JPG Sampling Results Sample Location: Sample ID: Time Collected
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	Notes: Notes: Notes:	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	o20120612104120.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: Slight Non-illicit: None Physical Condition Assessment	Notes: Notes: Notes:	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	o20120612104120.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	Notes: Notes: Notes:	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	o20120612104120.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: Slight Non-illicit: None Physical Condition Assessment Graffiti: None	Notes: Notes: Notes:	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	o20120612104120.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): vnits Temperature (field): °F
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: Slight Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: Moderate Depth (in)	Notes: Notes: Notes:	Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1. Field Follow-up	o20120612104120.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units

Outfall ID: 13-1716 US1

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

N/A

Drainage Basin:

Stringham Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130731111008.JPG

Outfall Notes:

Manhole located approx 17 ft S of outfall 13-1716. Determined to be located downstream of outfall. Pipe from car wash enters from east.

County Coordinates: Latitude/Longitude:

Northing: 465,789 Latitude: 43.99727 Easting: 783,305 Longitude: -88.57484



Inspection Da	ate: 7/31/2013 12:07:	2 PM Inspector: JC\	N Inspection Type: Ongoing	Previous Rainfall (hrs): 72+						
Flow Descrip	tion: Submerged, inde	terminate Notes:			54					
Submerged:	Partially Depth (in): 2			Ì					
Illicit Dischar	Illicit Discharge Potential: Unlikely									
Floatables: N	lone	Petrol. Sheen Suc	ls 🗌 Sewage 🗌 Algae 🔲 O	ther	1					
Odor: N	lone	Petroleum Mus	sty 🗌 Sewage 🗌 Chlorine 🗌 O	ther						
		□ VOC/Solvent □ Fish	ny 🗌 Sulfur 🔲 Fragrant							
Turbidity: S	light cloudiness				in the second					
Color: N	lone			o20130731111022.JPG						
Gross Solids:	None	Litter Debri	s Sediment Other	_ Sampling Results						
Vegetation:	None	☐ Inhibited ☐ Exces	ssive	Sample Location: Pool						
Benthic Growt	h: Slight	☐ Green ✓ Brow	n	Sample ID: 130731-37						
Stains:	Moderate	✓ Flow Line ☐ Oil	Rust Stains	Time Collected 12:10						
		Corrosion Paint	Other	Total Chlorine (field): 0 ppm						
Non-illicit:	None	☐ Natural Sheen ☐ N	latural Suds/Foam	Free Chlorine (field): 0 ppm						
	ondition Assessment —			Total Copper (field): 0 ppm						
				Ammonia (field): 1 ppm						
Graffiti:	None			pH (field): 7.81 units						
Erosion:	None			Temperature (field): 75 °F						
Deposition:	1 \ /			Conductivity (field): 632 μS/cm						
Damage:	None Displac	ement Undercut	Crushed	Detergents: 0 mg/L						
	Corros	on Cracks/Structur	al Damage	Phenol: mg/L						

Outfall ID: 13-1716 US1

Inspection Date: 9/27/2012 10:59:11 AM Inspector: JCW Inspection Type: Repeat	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Notes: Ammonia/detergent follow-up.	
Submerged: Partially Depth (in): 2	
Illicit Discharge Potential: Potential	
Floatables: None	er
Odor: None Petroleum Musty Sewage Chlorine Othe	er er
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant Turbidity: Slight cloudiness	
Turbidity: Slight cloudiness Color: Faint in bottle Dark/Black	o20120927100116.JPG
Gross Solids: None Litter Debris Sediment Other	- Sampling Results
Vegetation: None Inhibited Excessive	Sample Location: Pool
Benthic Growth: Slight ☐ Green ✓ Brown	Sample ID: 120927-97
	•
Stains: Slight	
	Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm
Non-illicit: None Natural Sheen Natural Suds/Foam	Total Copper (field): 0 ppm
Physical Condition Assessment	Ammonia (field): 0 ppm
Graffiti: None	pH (field): 7.88 units
Erosion: None Deposition: None Depth (in):	Temperature (field): 64 °F
Demons News —	Conductivity (field): 686 μS/cm
- Displacement - Ordered	Detergents: 0 mg/L Phenol: ma/L
Corrosion Cracks/Structural Damage	Phenol: mg/L
Inspection Date: 6/12/2012 11:42:38 AM Inspector: JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Inspection Date: 6/12/2012 11:42:38 AM Inspector: JCW Inspection Type: Ongoing Flow Description: Submerged indeterminate Notes: Black pool on flowline with petroleum odor.	Previous Rainfall (hrs): 72+
Inspection Date: 6/12/2012 11:42:38 AM Inspector: JCW Inspection Type: Ongoing Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Notes: Black pool on flowline with petroleum odor.	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Notes: Black pool on flowline with petroleum odor. Field Follow-up Office Follow-up	
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Petrol. Sheen Suds Sewage Algae Other	or and the same of
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Notes: Black pool on flowline with petroleum odor. Field Follow-up Office Follow-up	or and the same of
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Petrol. Sheen Suds Sewage Algae Other Odor: Faint Notes: Black pool on flowline with petroleum odor. Float Field Follow-up Office Follow-up Petrol. Sheen Suds Sewage Algae Other Other	or and the same of
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Floatables: None Odor: Faint Petrol. Sheen Suds Sewage Algae Othe VOC/Solvent Fishy Sulfur Fragrant	or and the same of
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Algae Other Odor: Faint Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: Cloudy	er er
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Floatables: None Odor: Faint Petrol. Sheen Nusty Sewage Chlorine Othe VOC/Solvent Fishy VSulfur Fragrant Turbidity: Cloudy Color: Clearly visible in bottle Dark/Black	o20120612104548.JPG
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Field Follow-up Floatables: None Petrol. Sheen Suds Sewage Algae Other Odor: Faint Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: Cloudy Color: Clearly visible in bottle Dark/Black Gross Solids: Slight Litter Debris Sediment Other	o20120612104548.JPG — Sampling Results
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Field Follow-up Floatables: None Petrol. Sheen Suds Sewage Algae Other Odor: Faint Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: Cloudy Color: Clearly visible in bottle Dark/Black Gross Solids: Slight Litter Debris Sediment Other Vegetation: None	or o20120612104548.JPG — Sampling Results Sample Location: Pool
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Field Follow-up Floatables: None Petrol. Sheen Suds Sewage Algae Other Odor: Faint Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: Cloudy Color: Clearly visible in bottle Dark/Black Gross Solids: Slight Litter Debris Sediment Other Vegetation: None Inhibited Excessive Benthic Growth: None Green Brown	ozo120612104548.JPG Sampling Results Sample Location: Pool Sample ID: 120612-27 Time Collected 11:45 Total Chlorine (field): 0 ppm
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Field Follow-up Floatables: None Odor: Faint Petrol. Sheen Suds Sewage Algae Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: Cloudy Color: Clearly visible in bottle Dark/Black Gross Solids: Slight Litter Debris Sediment Other Vegetation: None Benthic Growth: None Stains: Moderate Notes: Black pool on flowline with petroleum odor. Field Follow-up Other Field Follow-up Other Petrol. Sheen Suds Sewage Chlorine Other VOC/Solvent Fishy Debris Sediment Other Other Vegetation: None Brown Stains: Moderate Flow Line Oil Rust Stains	o20120612104548.JPG Sampling Results Sample Location: Pool Sample ID: 120612-27 Time Collected 11:45 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Field Follow-up Floatables: None Petrol. Sheen Suds Sewage Algae Other Odor: Faint Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: Cloudy Color: Clearly visible in bottle Dark/Black Gross Solids: Slight Litter Debris Sediment Other Vegetation: None Benthic Growth: None Stains: Moderate Petrol. Sheen Suds Field Follow-up Office Follow-up Office Follow-up Other Petrol. Sheen Suds Sewage Chlorine Other VOC/Solvent Fishy Debris Sediment Other	o20120612104548.JPG Sampling Results Sample Location: Pool Sample ID: 120612-27 Time Collected 11:45 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Field Follow-up Floatables: None Odor: Faint Petrol. Sheen Suds Sewage Algae Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: Cloudy Color: Clearly visible in bottle Dark/Black Gross Solids: Slight Litter Debris Sediment Other Vegetation: None Inhibited Excessive Benthic Growth: None Stains: Moderate Verification: Natural Sheen Natural Suds/Foam	o20120612104548.JPG Sampling Results Sample Location: Pool Sample ID: 120612-27 Time Collected 11:45 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 3 ppm
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential	o20120612104548.JPG Sampling Results Sample Location: Pool Sample ID: 120612-27 Time Collected 11:45 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 3 ppm pH (field): 7.89 units
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Field Follow-up Floatables: None Odor: Faint Petrol. Sheen Suds Sewage Algae Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: Cloudy Color: Clearly visible in bottle Gross Solids: Slight Litter Dark/Black Gross Solids: Slight Litter Debris Sediment Other Vegetation: None Benthic Growth: None Stains: Moderate Physical Condition Assessment Graffiti: None	o20120612104548.JPG Sampling Results Sample Location: Pool Sample ID: 120612-27 Time Collected 11:45 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 3 ppm pH (field): 7.89 units Temperature (field): 64 °F
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Field Follow-up Floatables: None Odor: Faint Petrol. Sheen Suds Sewage Algae Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: Cloudy Color: Clearly visible in bottle Gross Solids: Slight Litter Debris Sediment Other Vegetation: None Benthic Growth: None Stains: Moderate Physical Condition Assessment Graffiti: None Erosion: None	o20120612104548.JPG Sampling Results Sample Location: Pool Sample ID: 120612-27 Time Collected 11:45 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 3 ppm pH (field): 7.89 units

Outfall ID: 13-1758

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Stringham Creek

- Dimensions

Diameter (in): Height/Depth (in):

30

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130730063254.JPG

Outfall Notes:

STH 44 storm sewer discharges to USH 41 right-of-way from west.

County Coordinates: Latitude/Longitude:

Northing: 462,715 Latitude: 43.98883 Easting: 780,701 Longitude: -88.58472



Inspection	Date:	7/30/2013 7:19:09	AM In	spector:	JCW	Inspect	ion Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Desci Submerged	•	: Submerged, inde		Notes:	downstr	ainment boream pool.	Outfall ful	ly submerged.			
Illicit Disch	narge F	Potential: Potentia	ıl		Field Fo	ollow-up	Off	fice Follow-up			
Floatables:	Slight		✓ Petrol.	Sheen _	Suds	Sewa	ge 🗌 Alg	gae 🗌 Othe	ır 💮 💮		
Odor:	Faint		✓ Petrole	um 🗌	Musty	Sewa	ge 🗌 Ch	lorine Othe	r 💮 💮		
			UVOC/S	olvent	Fishy	Sulfur	Fra	agrant			Av. 31 as
Turbidity:	None									N. \1	Control of the Contro
Color:	None								020130730062	618.JF	₹G
Gross Solid	ls: S	light	✓ Litter		Debris	Sedim	ient 🗌 C	Other	- Sampling Results		
Vegetation:	N	one	Inhibite	d \square	Excessive	Э			Sample Location:		
Benthic Gro	owth: N	one	Green		Brown				Sample ID:		
Stains:	N	one	Flow Li	ne 🗌	Oil	Rust S	Stains		Time Collected		
			Corrosi	on 🗌	Paint	Other			Total Chlorine (field):		ррт
Non-illicit:	N	one	☐ Natural	Sheen	☐ Natur	ral Suds/Fo	am		Free Chlorine (field):		ррт
— Physical	Condit	ion Assessment —							Total Copper (field):		ppm
									Ammonia (field):		ppm
Graffiti:		one							pH (field):		units
Erosion:		one	40						Temperature (field):		°F
Deposition		loderate Depth (in):	10						Conductivity (field):		μS/cm
Damage:	: N	one Displac	ement 🗌 U	ndercut	□ C	Crushed			Detergents:		mg/L
		☐ Corrosi	on 🗌 C	racks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 13-1758 US1

Major Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-1758

Drainage Basin:

Stringham Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

■ Not Physically Located

o20130730062832.JPG

Outfall Notes:

Upstream manhole located approx 42 ft W of outfall 13-1758. Intermediate area consists of state highway right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 462,713 Latitude: 43.98883 Easting: 780,659 Longitude: -88.58488



Inspection	Date: 7/30	0/2013 7:22:47	AM In	spector:	JCW	Inspection	n Type:	Ongoing	Previous Rainfall (I	nrs): 72+	-
Flow Descr Submerged:	•	omerged, indet Depth (in)		Notes:	Petrole observe		present.	Slight sheen	1		
Illicit Disch	arge Potenti	al: Potential			Field Fo	ollow-up	Of	fice Follow-up			
Floatables:	Moderate		Petrol.	Sheen [Suds	Sewage	e 🗌 Alo	gae 🗌 Othe	er 💮		
Odor:	Easily detec	ted	✓ Petrole	um [Musty	✓ Sewage	ch Ch	nlorine Othe	er 💮		All STATE
			UOC/S	olvent [Fishy	Sulfur	Fra	agrant		* / m	2012 07:28
Turbidity:	None									017307	2013 07-20
Color:	None								02013073	80062844.J	PG
Gross Solids	s: Slight		✓ Litter		Debris	Sedime	nt 🗌 (Other	- Sampling Results -		
Vegetation:	None		Inhibite	d 🗌	Excessiv	е			Sample Location:	Pool	
Benthic Gro	wth: None		Green		Brown				Sample ID:	130730-0	5
Stains:	Severe		✓ Flow Li	ne 🗸	Oil	Rust Sta	ains		Time Collected	07:25	
			Corrosi	on 🗌	Paint	Other			Total Chlorine (field): 0	ppm
Non-illicit:	None		□ Natural	Sheen	☐ Natu	ral Suds/Foai	m		Free Chlorine (field)	: 0	ppm
– Physical i	Condition As	sessment —							Total Copper (field):	0	ppm
Graffiti:	None	occomen							Ammonia (field):	0	ppm
									pH (field):	7.6	units
Erosion:	None	Donth (in):							Temperature (field):		°F
Depositio		Depth (in):							Conductivity (field):	1071	μS/cm
Damage:	None	Displace	ement 🗌 U	ndercut		Crushed			Detergents:	0	mg/L
		☐ Corrosic	on 🗌 C	racks/St	tructural D	amage			Phenol:		mg/L

Outfall ID: 13-1957

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Glatz Creek

- Dimensions

Diameter (in):

24

Height/Depth (in): Width (in):

Mapping Precison:

Desktop mapping estimate

✓ Not Physically Located



o20130730101654.JPG

Outfall Notes:

Bellfield Dr storm sewer discharges to NW corner of detention basin in the Town of Nekimi.

County Coordinates: Latitude/Longitude:

Northing: 459,058 Latitude: 43.97879 Easting: 778,268 Longitude: -88.59395



Inspection Date: 7/30/2013 11:1	1:04 AM Inspector:	JCW Inspec	tion Type: Ongoing	Previous Rainfall (hrs):	72+
Flow Description: Submerged (n Submerged: Fully Depth	•	Outfall not located 13-1857 US1.	d. Screened upstream at	Cart	
Illicit Discharge Potential: Unlike	ely	Field Follow-up	Office Follow-up		
Floatables: None	Petrol. Sheen	Suds Sewa	age 🗌 Algae 🔲 Othe	er	
Odor: None	Petroleum	Musty Sewa	age 🗌 Chlorine 🗌 Othe	er 1008	Tec.
	☐ VOC/Solvent ☐	Fishy Sulfu	r Fragrant		
Turbidity: None					252 (12)
Color: None				020130730101	658.JPG
Gross Solids: None	Litter []	Debris 🗌 Sedir	ment Other	- Sampling Results	
Vegetation: None	☐ Inhibited ☐ E	Excessive		Sample Location:	
Benthic Growth: None	Green E	Brown		Sample ID:	
Stains: None	Flow Line	Oil Rust	Stains	Time Collected	
	Corrosion F	Paint Othe	r	Total Chlorine (field):	<i>ppm</i>
Non-illicit: None	Natural Sheen	Natural Suds/F	oam	Free Chlorine (field):	<i>ppm</i>
Physical Condition Assessment			•	Total Copper (field):	<i>ppm</i>
Graffiti: None				Ammonia (field):	<i>ppm</i>
Erosion: None				pH (field):	units
	n).			Temperature (field):	° <i>F</i>
Demons None —	<i>'</i>			Conductivity (field):	μS/cm
	lacement Undercut	Crushed		Detergents:	mg/L
Corr	osion Cracks/Stru	uctural Damage		Phenol:	mg/L

Outfall ID: 13-1957 US1

Minor Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-1957

Drainage Basin:

Glatz Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

07/30/2013 11:19

o20130730101906.JPG

Outfall Notes:

Upstream curb inlet located approx 188 ft NNE of outfall 13-1957. Intermediate area consists of residential properties.

County Coordinates: Latitude/Longitude:

Northing: 459,243 Latitude: 43.97930 Easting: 778,307 Longitude: -88.59380



Inspection I	Date: 7/3	30/2013 11:15:56 AM Ir	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs): 72+	
	•	bmerged, indeterminate	Notes:				-	1 11
Submerged:	Fully	Depth (in): 36				123		
Illicit Discha	arge Poten	tial: Unlikely	Field I	Follow-up 🗌 O	office Follow-up			
Floatables:	None	Petrol.	Sheen Suds	Sewage A	lgae 🗌 Other			
Odor:	None	Petrole	eum 🗌 Musty	Sewage C	hlorine Other	1	M	
		U VOC/S	Solvent Fishy	Sulfur F	ragrant			2012 11:10
Turbidity:	None							The
Color:	None					0201307301	01918.JI	PG
Gross Solids	: Slight	✓ Litter	Debris	Sediment	Other	Sampling Results—		
Vegetation:	None	Inhibite	ed 🗌 Excessi	ve		Sample Location: P	ool	
Benthic Grov	wth: None	☐ Green	Brown			Sample ID: 13	30730-6	2
Stains:	Slight	✓ Flow L	ine 🗌 Oil	Rust Stains		Time Collected 1	:15	
		☐ Corros	ion 🗌 Paint	Other		Total Chlorine (field):	0	ppm
Non-illicit:	None	Natura	I Sheen	ural Suds/Foam		Free Chlorine (field):	0	ppm
– Physical (Condition As	ssessment —				Total Copper (field):	0	ppm
Graffiti:	None	ob obtaine in				Ammonia (field):	0	ppm
Erosion:	None					pH (field):	7.48	units
		Donth (in)				Temperature (field):	73	°F
Deposition	None	Depth (in):	_			Conductivity (field):	664	μS/cm
Damage:	Notie		Jndercut	Crushed		Detergents:	0	mg/L
		Corrosion (Cracks/Structural	Damage		Phenol:		mg/L

Outfall ID: 13-2156

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Glatz Creek

Dimensions

Diameter (in): Height/Depth (in): 18

Width (in):

Mapping Precison:

Desktop mapping estimate

✓ Not Physically Located



o20130730102950.JPG

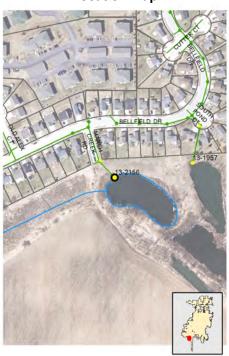
Outfall Notes:

Bellfield Dr storm sewer discharges to NW corner of detention basin in the Town of Nekimi.

County Coordinates: Latitude/Longitude:

458,995 43.97862 Northing: Latitude: Easting: 777,886 Longitude: -88.59540

Location Map



Inspection Date: Inspection Type: Ongoing 7/30/2013 11:24:10 AM Inspector: **JCW** Previous Rainfall (hrs): 72+ Flow Description: Submerged (not located) Notes: Outfall not located. Outfall screened upstream at 13-2156 US1. Submerged: Fully Depth (in): Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130730102958.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results Inhibited Vegetation: None Excessive Sample Location: Benthic Growth: None Green Brown Sample ID: None Stains: Rust Stains Time Collected Flow Line Oil Corrosion Paint Other Total Chlorine (field): ppm Free Chlorine (field): ppm Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment ppm Ammonia (field): Graffiti: None pH (field): units Erosion: None Temperature (field): ۰F Deposition: None Depth (in): Conductivity (field): μS/cm Damage: None Displacement Undercut Crushed Detergents: mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 13-2156 US1

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-2156

Drainage Basin:

Glatz Creek

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730103340.JPG

Outfall Notes:

Upstream manhole located approx 112 ft NW of outfall 13-2156. Intermediate area consists of street right-of-way and residential property.

County Coordinates:

Latitude/Longitude: 459,082 43.97886 Northing: Latitude:

Easting: 777,815 Longitude: -88.59567

Location Map



Inspection Date: 7/30/2013 11:26:01 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+ Flow Description: Submerged, indeterminate Notes: Submerged: Fully Depth (in): 21 Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: Faint Petroleum Musty ✓ Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130730103348.JPG Color: None ✓ Litter Gross Solids: Slight Debris Sediment Other Sampling Results Inhibited Vegetation: None Excessive Sample Location: Pool Benthic Growth: Severe **✓** Green Brown Sample ID: 130730-67 ✓ Flow Line Stains: Slight Rust Stains Time Collected Oil 11:28 Corrosion Paint Other Total Chlorine (field): 0 ppm Free Chlorine (field): mqq Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment Ammonia (field): ppm Graffiti: None pH (field): 7.46 units Erosion: None Temperature (field): 73 ۰F Deposition: None Depth (in): Conductivity (field): 581 μS/cm Damage: None Displacement Undercut Crushed Detergents: 0 mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 13-2611

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Campbell Creek

- Dimensions

Diameter (in): 12 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

✓ Not Physically Located



o20130730055300.JPG

Outfall Notes:

STH 44 curb inlets discharge to stream from south. Possible outfall pool located, but actual pipe not found. Encountered rock/riprap.

County Coordinates: La

Latitude/Longitude:

Northing: 461,228 Latitude: 43.98474 Easting: 778,403 Longitude: -88.59345



Inspection	Date: 7/3	0/2013 6:46:29 AM	Inspector:	JCW Inspec	ction Type: (Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr	ription: Su	bmerged, indetermin	ate Notes:	Outfall not positive	,				
Submerged	: Fully	Depth (in): 12		screened upstrea	ım at 13-261	1 051.		V	
Illicit Disch	arge Potent	ial: Unlikely		Field Follow-up	Offic	ice Follow-up			
Floatables:	None	Pe	etrol. Sheen 🗌	Suds Sew	age 🗌 Alga	ae 🗌 Other		4	
Odor:	None	Pe	etroleum 🗌	Musty Sew	age 🗌 Chlo	orine Other		X	1/1/1
			OC/Solvent	Fishy Sulfu	ur 🗌 Fraç	grant			
Turbidity:	None								
Color:	None						0201307300553	304.JF	PG
Gross Solid	s: Slight	✓ Li	tter 🔲 [Debris Sedi	ment 🗌 Ot	ther	Sampling Results		
Vegetation:	None	☐ In	hibited 🗌 E	Excessive			Sample Location:		
Benthic Gro	wth: None	G	reen 🗌 E	Brown			Sample ID:		
Stains:	None	FI	ow Line 🔲 0	Oil Rust	t Stains		Time Collected		
			orrosion 🗌 F	Paint Othe	er		Total Chlorine (field):		ррт
Non-illicit:	None	□ Na	atural Sheen	Natural Suds/F	oam		Free Chlorine (field):		ppm
– Physical	Condition As	ssessment —			-		Total Copper (field):		ppm
		30033IIICIII					Ammonia (field):		ppm
Graffiti:	None						pH (field):		units
Erosion:	None	. 5					Temperature (field):		°F
Depositio		te Depth (in): 2					Conductivity (field):		μS/cm
Damage:	None	Displacement	Undercut	Crushed			Detergents:		mg/L
		Corrosion	Cracks/Str	ructural Damage			Phenol:		mg/L

Outfall ID: 13-2611 US1

Minor Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-2611

Drainage Basin:

Campbell Creek

─ Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730055518.JPG

Outfall Notes:

Upstream curb inlet located approx 17 ft SSE of outfall 13-2611. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 461,213 Latitude: 43.98470 Easting: 778,411 Longitude: -88.59342

Location Map



Inspection Date: 7/30/2013 6:49:33 AM Inspector: **JCW** Inspection Type: Ongoing Previous Rainfall (hrs): 72+ Flow Description: None Notes: Flowline wet, but no collectable flow at time of inspection. Submerged: None Depth (in): Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130730055724.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results None Inhibited Vegetation: Excessive Sample Location: Benthic Growth: None Green Brown Sample ID: Stains: Slight Rust Stains Time Collected ✓ Flow Line Oil Corrosion Paint Other Total Chlorine (field): ppm Free Chlorine (field): ppm Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment ppm Ammonia (field): Graffiti: None pH (field): units Erosion: None Temperature (field): ۰F Deposition: None Depth (in): Conductivity (field): μS/cm Damage: None Displacement Undercut Crushed Detergents: mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 13-2613

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Campbell Creek

- Dimensions

Diameter (in): 42 Height/Depth (in):

Mapping Precison:

Width (in):

☐ Not Physically Located

07/00/20

o20130730060130.JPG

Outfall Notes:

STH 44 storm sewer discharges to stream from west.

County Coordinates: Latitude/Longitude:

Northing: 461,213 Latitude: 43.98470 Easting: 778,377 Longitude: -88.59355



Inspection	Date: 7/3	0/2013 6:54:23	SAM In	spector:	JCW	Inspection	Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	•	eterminate	Notes: Outfall partially submerged. Outfall screened upstream at 13-2613 US1.								
Illicit Disch	arge Potent	ial: Unlikely	,								
Floatables:	None		Petrol.	Sheen	Suds	Sewage	_ Ale	gae 🗌 Othe	er		
Odor:	None		Petrole	eum 🗌	Musty	Sewage	Cr	nlorine Othe	er	6.0	The second
	L		UVOC/S	olvent [Fishy	Sulfur	Fr	agrant			1
Turbidity:	None									1	2013 07:03
Color:	None								020130730060	140.JF	PG
Gross Solids	s: Modera	te	✓ Litter	✓	Debris	Sedimen	t 🗌 (Other	- Sampling Results		
Vegetation:	None		Inhibite	ed 🗌	Excessive	е			Sample Location:		
Benthic Gro	wth: Modera	te	✓ Green		Brown				Sample ID:		
Stains:	Modera	te	✓ Flow L	ne 🗌	Oil	Rust Stai	ins		Time Collected		
			Corros	ion 🗌	Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None		☐ Natura	Sheen	☐ Natu	ral Suds/Foam	1		Free Chlorine (field):		ppm
– Physical (Condition As	sessment —				1			Total Copper (field):		ppm
Graffiti:	None	Cocomon							Ammonia (field):		ppm
Erosion:	None								pH (field):		units
		Donth (in):							Temperature (field):		°F
Deposition		Depth (in):	_		_				Conductivity (field):		μS/cm
Damage:	None	Displac		Indercut		Crushed			Detergents:		mg/L
		Corrosi	on 🗌 C	Cracks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 13-2613

Inspection	Date: 9/3/20	009	Inspector:	JCW	Inspection	on Type: Init	ial	Previous Rainfall (h	nrs): 72+	
Flow Descr	iption: Subn	nerged, slight flow	Notes:		ayer of grass	clippings in p	oipe and			
Submerged:	: Partially	Depth (in): 6		pool.						VIII
Illicit Disch	arge Potentia	I: Unlikely		Field F	ollow-up	Office	Follow-up			
Floatables:	Moderate	P	etrol. Sheen	Suds	Sewage	e 🗸 Algae	✓ Othe	r		
Odor:	None	P	etroleum	Musty	Sewag	e 🗌 Chlorir	ne 🗌 Othe	r	34	
		V	OC/Solvent	Fishy	Sulfur	Fragra	nt			2000 2000
Turbidity:	None							Asia		7.00
Color:	None							Osh09_DS	SCN6430.J	PG
Gross Solids	s: None	L	itter	Debris	Sedime	ent 🗌 Othe	r [- Sampling Results		
Vegetation:		Ir	nhibited	Excessiv	re			Sample Location:	Pool	
Benthic Gro	wth: Slight	✓ G	Green	Brown				Sample ID:	090903-2	8
Stains:		✓ F	low Line	Oil	Rust S	tains		Time Collected	11:10	
		C	Corrosion	Paint	Other			Total Chlorine (field)): 0	ppm
Non-illicit:	None	\square \square \square \square	latural Sheen	☐ Natu	ıral Suds/Foa	ım		Free Chlorine (field)	: 0	ppm
– Physical I	Condition Asse	essment —						Total Copper (field):	0	ppm
Graffiti:	None	, some m						Ammonia (field):		ppm
Erosion:	None							pH (field):	7.77	units
		Donth (in). O						Temperature (field):	69	°F
Deposition		Depth (in): 0						Conductivity (field):		μS/cm
Damage:	None	Displacement	=		Crushed			Detergents:	0	mg/L
		Corrosion	Cracks/St	ructural [Damage			Phenol:	0	mg/L

Outfall ID: 13-2613 US1

Major Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-2613

Drainage Basin:

Campbell Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730060952.JPG

Outfall Notes:

Upstream manhole located approx 124 ft S of outfall 13-2613. Intermediate area consists of state highway right-of-way.

County Coordinates: L

Latitude/Longitude:

Northing: 461,089 Latitude: 43.98436 Easting: 778,370 Longitude: -88.59357



Inspection I	Date: 7/30	/ 2013 7:03:45 AM In	spector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs)	: 72+	
Flow Descri	iption: Sub	merged, indeterminate	Notes:				P	
Submerged:	Partially	Depth (in): 4						1
Illicit Discha	arge Potenti	al: Unlikely	Field F	ollow-up O	ffice Follow-up			**
Floatables:	None	Petrol.	Sheen Suds	Sewage Al	gae 🗌 Other			
Odor:	None	Petrole	eum 🗌 Musty	Sewage C	hlorine Other	7		
<u>'</u>		UVOC/S	Solvent Fishy	Sulfur Fr	ragrant		07/70/	2012 07110
Turbidity:	None					THE STATE OF THE S	0,7,507	
Color:	None					02013073000	61008.JI	PG
Gross Solids	s: None	Litter	Debris	Sediment	Other	Sampling Results		
Vegetation:	None	Inhibite	ed Excessiv	/e		Sample Location: Po	ol	
Benthic Grov	wth: None	Green	Brown			Sample ID: 13	0730-2	9
Stains:	Slight	✓ Flow Li	ine 🗌 Oil	Rust Stains		Time Collected 07	:02	
	L	Corros	ion 🗌 Paint	Other		Total Chlorine (field):	0	ppm
Non-illicit:	None	□ Natura	l Sheen □ Natı	ural Suds/Foam		Free Chlorine (field):	0	ppm
	Condition Ass					Total Copper (field):	0	ppm
		sessifierit				Ammonia (field):	0	ppm
Graffiti:	None					pH (field):	7.74	units
Erosion:	None	5 " " >				Temperature (field):	64	°F
Deposition		Depth (in):				Conductivity (field):	1727	μS/cm
Damage:	None	Displacement U	Jndercut	Crushed		Detergents:	0	mg/L
		Corrosion C	Cracks/Structural I	Damage		Phenol:		mg/L

Outfall ID: 13-2613 US1

Inspection Date:	9/3/2009	Inspecto	or: JCW	Inspection	Type:	Initial	Previous Rainfall (hrs): 72+	-
Flow Description	n: Submerged, indet	terminate Note	es:				and the second	15	Contract of the Contract of th
Submerged: Par	rtially Depth (in)): 7							
Illicit Discharge	Potential: Unlikely		Field F	ollow-up	Off	ice Follow-up	100		
Floatables:		Petrol. Sheer	n ☐ Suds	Sewage	Alg	ae Othe	r		
Odor:		Petroleum	☐ Musty	Sewage	☐ Ch	lorine Othe	r The state of the		
			Fishy	Sulfur	Fra	ıgrant		09	11.2009 09:19
Turbidity:									1-11-90
Color:							Osh09_DSC	N6856.J	PG
Gross Solids:		Litter	Debris	Sedimen	t 🗌 C	Other	- Sampling Results		
Vegetation:		Inhibited [Excessiv	е			Sample Location: Po	ool	
Benthic Growth:		Green [Brown				Sample ID: 09	0903-0	9
Stains:		✓ Flow Line [Oil	Rust Stai	ins		Time Collected 1	:20	
		Corrosion [Paint	Other			Total Chlorine (field):	0	ррт
Non-illicit:	Vone	☐ Natural Shee	n 🗆 Natu	ral Suds/Foam	1		Free Chlorine (field):	0	ppm
	ition Assessment —		rtata	rai oddori odii			Total Copper (field):	0	ppm
1							Ammonia (field):		ppm
	None						pH (field):	7.87	units
	None	_					Temperature (field):	70	°F
	None Depth (in):	0					Conductivity (field):		μS/cm
Damage: N	None Displace	ement 🗌 Underd	ut 🗌 (Crushed			Detergents:	0	mg/L
	Corrosic	on Cracks	/Structural D	Damage			Phenol:	0	mg/L

Outfall ID: 13-2860

Supplemental Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Sawyer Creek

- Dimensions

Diameter (in): 15
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

■ Not Physically Located

o20130730095044.JPG

Outfall Notes:

Global Pkwy storm sewer discharges to detention basin via grass swale.

County Coordinates: Latitude/Longitude:

Northing: 460,783 Latitude: 43.98351 Easting: 773,179 Longitude: -88.61329



Inspection	Date: 7/30/	2013 10:43:10 AM	Inspector: J	JCW Inspe	ction Type: On	going	Previous Rainfall (hrs):	72+	
Flow Descr	iption: None	e Depth (in):		Apron sediment at time of inspec	,	ectable flow		\bigvee	
		,						\mathcal{M}	
IIIICII DISCII	arge Potentia	l: Unlikely	∐ F	Field Follow-up	Office	Follow-up		K/	
Floatables:	None	☐ Petro	ol. Sheen 🗌 S	Suds Sew	rage 🗌 Algae	Other		$/\!\!\!/$	
Odor:	None	☐ Petro	oleum 🔲 N	Musty 🗌 Sew	age 🗌 Chlorin	ne Other			
		\ \textstyle \te	/Solvent F	Fishy 🗌 Sulf	ur 🗌 Fragra	nt		11	XXX
Turbidity:	None						0201307300950		
Color:	None						020130/300950	152.JF	'G
Gross Solids	s: None	Litter	De	ebris	iment Othe	r _	Sampling Results———		
Vegetation:	None	Inhib	ited 🗌 Ex	cessive			Sample Location:		
Benthic Gro	wth: Slight	✓ Gree	n 🗸 Bro	own			Sample ID:		
Stains:	None		Line Oil	I Rus	t Stains		Time Collected		
		Corre	osion 🗌 Pa	aint Othe	er		Total Chlorine (field):		ppm
Non-illicit:	None	□ Natu	ral Sheen	Natural Suds/F	- oam		Free Chlorine (field):		ррт
- Physical	Condition Ass	essment —			_		Total Copper (field):		ppm
Graffiti:	None	osomen					Ammonia (field):		ppm
Erosion:	None						pH (field):		units
Depositio		Depth (in): 2					Temperature (field):		°F
Damage:	-	_ ` ` ` _	Undercut	Crushed			Conductivity (field):		μS/cm mg/l
		☐ Displacement ☐ ☐ Corrosion ☐		ctural Damage			Detergents: Phenol:		mg/L mg/L

Outfall ID: 13-2867a

Supplemental Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Sawyer Creek

Dimensions

Diameter (in): 21

Height/Depth (in): Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730094430.JPG

Outfall Notes:

Atlas Ave storm sewer discharges to detention basin via grass swale.

County Coordinates: Latitude/Longitude:

Northing: 460,771 Latitude: 43.98347 Easting: 773,202 Longitude: -88.61320





Location Map

Inspection Date: Inspector: Inspection Type: Ongoing 7/30/2013 10:38:11 AM **JCW** Previous Rainfall (hrs): 72+ Flow Description: None Notes: Apron sediment wet, but no collectable flow at time of inspection. Submerged: None Depth (in): Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130730094434.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results Inhibited Vegetation: None Excessive Sample Location: Benthic Growth: Slight **✓** Green Brown Sample ID: ✓ Flow Line Stains: Slight Rust Stains Time Collected Oil Corrosion Paint Other Total Chlorine (field): ppm Free Chlorine (field): ppm Non-illicit: None □ Natural Sheen □ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment ppm Ammonia (field): Graffiti: None pH (field): units Erosion: None Temperature (field): ۰F Deposition: None Depth (in): Conductivity (field): μS/cm Damage: None Displacement Undercut Crushed Detergents: mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 13-2872a

Supplemental Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Sawyer Creek.

- Dimensions

Diameter (in): Height/Depth (in): 42

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130730092820.JPG

Outfall Notes:

Atlas Ave storm sewer discharges to detention basin via swale.

County Coordinates: Latitude/Longitude:

Northing: 461,184 Latitude: 43.98461 Easting: 774,130 Longitude: -88.60968



Inspection	Date: 7/30/	2013 10:24:54	I AM In	spector:	JCW	Inspection	Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri Submerged:	•	merged, indet Depth (in)		Notes:		partially submed upstream a				7	A
Illicit Discha	arge Potentia	l: Unlikely			Field Fo	ollow-up	Of	ffice Follow-up			
Floatables:	Moderate		Petrol.	Sheen [Suds	Sewage	✓ Alo	gae 🗌 Othe	er		
Odor:	None		Petrole	um 🗌	Musty	Sewage	Cr	nlorine Othe	er		1
			UOC/S	olvent [Fishy	Sulfur	☐ Fra	agrant			
Turbidity:	None									0773873	0:28
Color:	None								o20130730092	830.JF	°G
Gross Solids	s: None		Litter		Debris	Sedimer	nt 🗌 (Other	- Sampling Results		
Vegetation:	None		Inhibite	d 🗌	Excessive	е			Sample Location:		
Benthic Grov	wth: Moderate)	✓ Green		Brown				Sample ID:		
Stains:	Slight		✓ Flow Li	ne 🗌	Oil	Rust Sta	ains		Time Collected		
			Corrosi	on 🗌	Paint	Other			Total Chlorine (field):		ррт
Non-illicit:	None		☐ Natural	Sheen	☐ Natui	ral Suds/Foar	n		Free Chlorine (field):		ррт
– Physical (Condition Ass	essment —							Total Copper (field):		ppm
Graffiti:	None	coomen							Ammonia (field):		ppm
Erosion:	None								pH (field):		units
		Danath (in)							Temperature (field):		°F
Deposition		Depth (in):							Conductivity (field):		μS/cm
Damage:	None	Displace	_	Indercut		Crushed			Detergents:		mg/L
		Corrosio	n 🗌 C	racks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 13-2872a US1

Supplemental Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-2872

Drainage Basin:

Sawyer Creek

─ Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730093402.JPG

Outfall Notes:

Upstream curb inlet located approx 11 ft SE of outfall 13-2872a. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 461,174 Latitude: 43.98458 Easting: 774,134 Longitude: -88.60966



Inspection Date	e: 7/30/2013 10:26:4	O AM Inspector: JCW Inspection Type: Ongoing Previous	s Rainfall (hrs): 72-	+
Flow Description	on: Submerged, inde	terminate Notes:	A CONTRACTOR OF THE PARTY OF TH	911
Submerged: P	artially Depth (ir	1: 4		
Illicit Discharge	e Potential: Unlikely	☐ Field Follow-up ☐ Office Follow-up		1
Floatables: Nor	ne	Petrol. Sheen Suds Sewage Algae Other		
Odor: Nor	ne	Petroleum Musty Sewage Chlorine Other		
		☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant	O N	
Turbidity: Nor	ne		V	2013 10.34
Color: Nor	ne		o20130730093414.J	PG
Gross Solids:	None	☐ Litter ☐ Debris ☐ Sediment ☐ Other ☐ Sampling	Results —	
Vegetation:	None	☐ Inhibited ☐ Excessive Sample L	_ocation: Pool	
Benthic Growth:	None	☐ Green ☐ Brown Sample I	D: 130730-7	75
Stains:	Slight	✓ Flow Line ☐ Oil ☐ Rust Stains Time Col	llected 10:28	
	"	Corrosion Paint Other Total Chl	lorine (field): 0	ppm
Non-illicit:	None	□ Natural Sheen □ Natural Suds/Foam Free Chlo	orine (field): 0	ppm
— Physical Con	dition Assessment —	Total Cop	pper (field): 0	ppm
		Ammonia	a (field): 0	ppm
Graffiti:	None	pH (field)		
Erosion:	None	Tempera	ture (field): 72	°F
Deposition:	None Depth (in):		vity (field): 711	μS/cm
Damage:	None Displac		nts: 0	mg/L
	Corrosi	on Cracks/Structural Damage Phenol:	0	mg/L

Outfall ID: 13-3162

Supplemental Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Non-MS4 Stormwater Facility

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Drainage Basin:

Glatz Creek

Dimensions

Diameter (in):

Height/Depth (in): 48

rieigni/Deptir (iii).

Width (in): 76

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730104502.JPG

Outfall Notes:

White Tail Ln storm sewer discharges to NE corner of detention basin.

County Coordinates: Latitude/Longitude:

Northing: 458,138 Latitude: 43.97627 Easting: 778,584 Longitude: -88.59275

Location Map



Inspection Date: Inspection Type: Ongoing 7/30/2013 11:41:38 AM Inspector: **JCW** Previous Rainfall (hrs): 72+ Outfall fully submerged. Outfall screened Flow Description: Submerged, indeterminate Notes: upstream at 13-3162 US1. Submerged: Fully Depth (in): 55 Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130730104510.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results None Inhibited Vegetation: Excessive Sample Location: Benthic Growth: None Green Brown Sample ID: Stains: None Rust Stains Time Collected Flow Line Oil Corrosion Paint Other Total Chlorine (field): ppm Free Chlorine (field): ppm Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment ppm Ammonia (field): Graffiti: None pH (field): units Erosion: None Temperature (field): ۰F Deposition: None Depth (in): Conductivity (field): μS/cm Damage: None Displacement Undercut Crushed Detergents: mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Inspection Date	9/3/200	09	Inspector:	JCW	Inspection	Type: I	nitial	Previous Rainfall (h	ırs): 72+	
Flow Description	n: Subme	erged, indetermina	nte Notes:					1. The state of th		
Submerged: Pa	artially	Depth (in): 43							MX.	
Illicit Discharge	Potential:	Unlikely	✓	Field Fo	ollow-up	✓ Offic	e Follow-up			
Floatables:		☐ Pe	trol. Sheen	Suds	Sewage	Alga	e Othe	r /		1 miles
Odor:			etroleum OC/Solvent	Musty Fishy	Sewage Sulfur	☐ Chlo		r		
Turbidity:									9910	8-2009 12:08
Color:								Osh09_D3	SCN6434.JI	PG
Gross Solids:		Litt	ter	Debris	Sedimen	t 🗌 Otl	her	– Sampling Results —		
Vegetation:		Inh	nibited	Excessive	Э			Sample Location:	Pool	
Benthic Growth:		☐ Gr	een 🗌	Brown				Sample ID:	090903-0	8L
Stains:		Flo	ow Line	Oil	Rust Sta	ins		Time Collected	12:26	
	<u> </u>	Co	rrosion	Paint	Other			Total Chlorine (field)	: 0	ppm
Non-illicit:	None	□ Na	tural Sheen	☐ Natu	ral Suds/Foam	1		Free Chlorine (field)	: 0	ppm
Physical Cond	dition Asses	ssment —						Total Copper (field):	0	ppm
11 -	None							Ammonia (field):		ppm
	None							pH (field):	9.04	units
Deposition:	140110	Depth (in): 7						Temperature (field):		°F
1 '	None	_ ` ` ` _			Samuel Land			Conductivity (field):		μS/cm
Bamage.	140110	Displacement [Crushed			Detergents:	0	mg/L
		Corrosion	Cracks/Str	ructural D	amage			Phenol:	0	mg/L

Outfall ID: 13-3162 US1

Supplemental Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-3162

Drainage Basin:

Glatz Creek

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730105138.JPG

Outfall Notes:

Upstream manhole located approx 92 ft NE of outfall 13-3162. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 458,215 Latitude: 43.97648 Easting: 778,634 Longitude: -88.59256



Inspection Date:	7/30/2013 11:49:0	3 AM Inspector:	: JCW Inspe	ection Type:	Ongoing	Previous Rainfall (hrs): 72+	
Flow Description	n: Submerged, inde	terminate Notes:	:			本 /		A
Submerged: Full	lly Depth (in): 53						
Illicit Discharge	Potential: Unlikely		Field Follow-up	☐ Of	fice Follow-up			
Floatables: None	е	Petrol. Sheen	Suds Sev	vage 🗌 Alç	gae 🗌 Othe	r		
Odor: Faint	t	Petroleum	Musty Sev	vage 🗌 Ch	nlorine Othe	r		
			_ Fishy ✓ Sul	fur 🗌 Fra	agrant		07/70	2012 1110
Turbidity: None	Э					The same		3
Color: None	Э					o201307301	05144.JI	PG
Gross Solids:	Slight	✓ Litter	Debris Sec	diment 🗌 (Other	- Sampling Results		
Vegetation:	None	Inhibited	Excessive			Sample Location: Po	ool	
Benthic Growth:	None	Green	Brown			Sample ID: 13	30730-3	5
Stains:	None	✓ Flow Line	Oil Rus	st Stains		Time Collected 1	:50	
		Corrosion	Paint Oth	er		Total Chlorine (field):	0	ppm
Non-illicit:	Slight	✓ Natural Sheen	Natural Suds	Foam		Free Chlorine (field):	0	ppm
_	ition Assessment —			_		Total Copper (field):	0	ppm
	None					Ammonia (field):	0	ppm
	None					pH (field):	8.97	units
						Temperature (field):	75	°F
'	None Depth (in):					Conductivity (field):	358	μS/cm
Damage: N	None Displac					Detergents:	0	mg/L
	Corrosi	on Cracks/S	tructural Damage			Phenol:		mg/L

Outfall ID: 13-3204

Supplemental Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Sawyer Creek

- Dimensions

Diameter (in): 48
Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730095852.JPG

Outfall Notes:

Global Pkwy storm sewer discharges to SW corner of detention basin.

County Coordinates: Latitude/Longitude:

Northing: 461,402 Latitude: 43.98520 Easting: 773.075 Longitude: -88.61369

Location Map



Inspection Date: 7/30/2013 10:52:09 AM Inspection Type: Ongoing Inspector: **JCW** Previous Rainfall (hrs): Flow Description: Submerged, indeterminate Notes: Outfall partially submerged. Outfall screened upstream at 13-3204 US1. Submerged: Partially Depth (in): 1 Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130730095856.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results Inhibited Vegetation: None Excessive Sample Location: Benthic Growth: Moderate **✓** Green **✓** Brown Sample ID: ✓ Flow Line Stains: Moderate Rust Stains Time Collected Oil Corrosion Paint Other Total Chlorine (field): ppm Free Chlorine (field): ppm Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment ppm Ammonia (field): Graffiti: None pH (field): units Erosion: None Temperature (field): ۰F Deposition: None Depth (in): Conductivity (field): μS/cm Damage: None Displacement Undercut Crushed Detergents: mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Inspection Date: 9/3/2	009 Inspecto	or: JCW Inspec	tion Type: Initial	Previous Rainfall (hrs):	72+
Flow Description: None	Notes	s:			
Submerged: None	Depth (in): 0				
Illicit Discharge Potentia	: Unlikely	Field Follow-up	Office Follow-up	I Torre	
Floatables:	Petrol. Sheen	Suds Sewa	age 🗌 Algae 🔲 Othe	er	
Odor:	Petroleum VOC/Solvent	☐ Musty ☐ Sewa	• = -	er	
Turbidity:					09.03.2009 08:58
Color:				Osh09_DSCN6	407.JPG
Gross Solids:	Litter	Debris Sedir	ment Other	- Sampling Results	
Vegetation:	☐ Inhibited	Excessive		Sample Location:	
Benthic Growth:	Green	Brown		Sample ID:	
Stains:	✓ Flow Line	Oil Rust	Stains	Time Collected	
	☐ Corrosion	Paint Othe	r	Total Chlorine (field):	<i>ppm</i>
Non-illicit: None	☐ Natural Sheer	n Natural Suds/F	oam	Free Chlorine (field):	<i>ppm</i>
Physical Condition Asse	essment —		1	Total Copper (field):	<i>ppm</i>
Graffiti: None	Somone			Ammonia (field):	ppm
Erosion: None				pH (field):	units
Deposition: None	Depth (in): 0			Temperature (field):	°F
Damage: None	_' ` ` '			Conductivity (field):	μS/cm
Damage. None	☐ Displacement ☐ Undercu			Detergents:	mg/L
	Corrosion Cracks/	Structural Damage		Phenol:	mg/L

Outfall ID: 13-3204 US1

Supplemental Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-3204

Drainage Basin:

Sawyer Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730100226.JPG

Outfall Notes:

Upstream manhole located approx 202 ft SW of outfall 13-3204. Intermediate area consists of street right-of-way and grassy vacant lot.

County Coordinates: Latitude/Longitude:

Northing: 461,301 Latitude: 43.98493 Easting: 772,900 Longitude: -88.61435



Inspection [Date: 7/30/	2013 11:00:01 AM	nspector: J	CW Inspe	ction Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri	iption: None	;	Notes: N	Manhole dry and	clean at time	e of inspection.			
Submerged:	None	Depth (in):							
Illicit Discha	arge Potentia	l: Unlikely	F	ield Follow-up	Offi	ice Follow-up			
Floatables:	None	Petrol	. Sheen 🗌 S	uds Sew	age 🗌 Alg	ae Othe	r		PARIA
Odor:	None	☐ Petrol	eum 🗌 N	flusty 🗌 Sew	age 🗌 Chl	orine Other			
		U VOC/	Solvent 🗌 F	ishy 🗌 Sulf	ur 🗌 Fra	grant		277327	2013 11:02
Turbidity:	None							SERVICE OF	
Color:	None						020130730100	236.JF	'G
Gross Solids	: None	Litter	☐ De	bris 🗌 Sedi	ment O	ther	- Sampling Results		
Vegetation:	None	Inhibit	ed Ex	cessive			Sample Location:		
Benthic Grov	wth: None	Green	n 🗌 Bro	own			Sample ID:		
Stains:	None	☐ Flow I	_ine	Rus	Stains		Time Collected		
		Corros	sion 🗌 Pa	int 🗌 Othe	er		Total Chlorine (field):		ррт
Non-illicit:	None	□ Natura	al Sheen	Natural Suds/F	oam		Free Chlorine (field):		ppm
	Condition Asse		• •	,	_		Total Copper (field):		ppm
		;55111E111					Ammonia (field):		ppm
Graffiti:	None						pH (field):		units
Erosion:	None						Temperature (field):		°F
Deposition		Depth (in):					Conductivity (field):		μS/cm
Damage:	None	Displacement	Undercut	Crushed			Detergents:		mg/L
		☐ Corrosion ☐	Cracks/Struc	tural Damage			Phenol:		mg/L

Outfall ID: 13-3488

Supplemental Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Drainage Basin:

Sawyer Creek

- Dimensions

Diameter (in):

Height/Depth (in): 29

Width (in): 45

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130730083352.JPG

Outfall Notes:

Oakwood Rd storm sewer discharges to SE corner of detention basin.

County Coordinates: Latitude/Longitude:

Northing: 463,215 Latitude: 43.99019 Easting: 776,270 Longitude: -88.60156



Inspection I	Date: 7/3	0/2013 9:27:18 AI	VI Insp	ector:	JCW	Inspec	tion Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri	•	bmerged, indeter Depth (in):		Notes:		partially su ed upstrear	•				
Illicit Discha	arge Potent	tial: Unlikely			Field Fo	llow-up	_ O	ffice Follow-up			
Floatables:	None		Petrol. Sh	neen 🗌	Suds	Sewa	ıge 🗌 Al	gae Oth	er	1	
Odor:	None		Petroleur	n [Musty	Sewa	ige 🗌 C	hlorine Oth	er S	1	1
			VOC/Solv	vent [Fishy	Sulfu	r 🗌 Fr	ragrant			
Turbidity:	None									at/aur	2013 08-34
Color:	None								020130730083	3416.JF	PG
Gross Solids	s: Slight	•	Litter		Debris	Sedir	nent 🗌	Other	Sampling Results		
Vegetation:	None		Inhibited		Excessive	Э			Sample Location:		
Benthic Grov	wth: Slight		Green		Brown				Sample ID:		
Stains:	Slight		Flow Line		Oil	Rust	Stains		Time Collected		
			Corrosior	1 <u> </u>	Paint	Other	•		Total Chlorine (field):		ppm
Non-illicit:	None		☐ Natural S	heen	☐ Natur	al Suds/Fo	oam		Free Chlorine (field):		ppm
– Physical (Condition As	ssessment —	_						Total Copper (field):		ppm
Graffiti:	None	o o o o o o o o o o o o o o o o o o o							Ammonia (field):		ppm
Erosion:	None								pH (field):		units
Deposition		Depth (in):							Temperature (field):		°F
		_' \							Conductivity (field):		μS/cm
Damage:	None	Displacem	_	dercut		Crushed			Detergents:		mg/L
		Corrosion	☐ Cra	icks/Sti	ructural D	amage			Phenol:		mg/L

Outfall ID: 13-3488 US1

Supplemental Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-3488

Drainage Basin:

Sawyer Creek

─ Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730083638.JPG

Outfall Notes:

Upstream manhole located approx 53 ft E of outfall 13-3488. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 463,207 Latitude: 43.99017 Easting: 776,323 Longitude: -88.60136



Inspection Da	ate: 7/30/2	2013 9:30:33 A	M Ins	spector:	JCW	Inspection	on Type:	Ongoing	Previous Rainfall (h	rs): 72+	+
Flow Descript	tion: Subm	erged, indeter	rminate	Notes:							
Submerged:	Partially	Depth (in):	14						1.38		
Illicit Dischar	ge Potential	: Unlikely			Field Fo	ollow-up	O	ffice Follow-up			
Floatables: No	one		Petrol.	Sheen _	Suds	Sewag	e 🗌 Al	gae Othe	er		
Odor: No	one		Petrole	um [Musty	Sewag	e 🗌 C	hlorine 🗌 Othe	er		4
			UOC/S	olvent [Fishy	Sulfur	Fr	agrant		07/30/	2013 08 38
Turbidity: No	one										
Color: No	one								02013073	0083650.J	PG
Gross Solids:	None		Litter		Debris	Sedim	ent 🗌	Other	- Sampling Results		
Vegetation:	None		Inhibite	d 🗌	Excessive	е			Sample Location:	Pool	
Benthic Growth	h: None		Green		Brown				Sample ID:	130730-2	28
Stains:	None		Flow Lin	ne 🗌	Oil	Rust S	tains		Time Collected	09:32	
			Corrosi	on 🗌	Paint	Other			Total Chlorine (field)	: 0	ррт
Non-illicit:	None		Natural	Sheen	☐ Natu	ral Suds/Foa	am		Free Chlorine (field):	0	ppm
Physical Co	ndition Assa	sement							Total Copper (field):	0	ppm
'		Samon							Ammonia (field):	0	ppm
Graffiti:	None								pH (field):	7.96	units
Erosion:	None	5 (1.)							Temperature (field):	71	°F
Deposition:		Depth (in):							Conductivity (field):	938	μS/cm
Damage:	None	Displacem	nent 🗌 U	ndercut		Crushed			Detergents:	0	mg/L
		Corrosion	C	racks/St	ructural D	amage			Phenol:	0	mg/L

Outfall ID: 14-124

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

CMP

City ID: N/A

Drainage Basin:

Glatz Creek

- Dimensions

Width (in):

Diameter (in): 15 Height/Depth (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20130731065746.JPG

Outfall Notes:

25th Ave storm sewer discharges to stream from north. Location approximate - GPS not available in canopy.

County Coordinates: Latitude/Longitude:

Northing: 463,367 Latitude: 43.99064 Easting: 792,647 Longitude: -88.53934



Inspection	Date: 7/31/2	2013 7:55:00 AM	Inspector: JC	N Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	iption: None : None	Depth (in):		e dry at time of inspectic e undercut.	on. Last 12" of			
Illicit Disch	arge Potential	: Unlikely	Fie	d Follow-up	ffice Follow-up		1	
Floatables:	None	☐ Petro	I. Sheen 🗌 Sud	ds Sewage A	lgae 🗌 Other			
Odor:	None	☐ Petro	leum 🗌 Mu	sty 🗌 Sewage 🔲 C	hlorine Other	No.		
Turbidity:	None None	□ VOC/	Solvent Fis	ny 🗌 Sulfur 🔲 F	ragrant	020130731065	754.JF	PG
Gross Solids			☐ Debr	s Sediment	Other	Sampling Results		
Vegetation:	None		ted Exce	ssive		Sample Location:		
Benthic Gro	wth: None	Gree	n Brow	n		Sample ID:		
Stains:	Moderate	☐ Flow	Line Oil	Rust Stains		Time Collected		
		✓ Corro	sion 🗌 Paint	Other		Total Chlorine (field):		ррт
Non-illicit:	None	☐ Natur	al Sheen 🔲 l	latural Suds/Foam		Free Chlorine (field):		ppm
⊢ Physical	Condition Asse	essment —				Total Copper (field):		ppm
Graffiti:	None					Ammonia (field):		ppm
Erosion:	Minor					pH (field): Temperature (field):		units ° F
Depositio	n: None	Depth (in):				Conductivity (field):		ι μS/cm
Damage:	Moderate	☐ Displacement ✓	Undercut	Crushed		Detergents:		mg/L
		✓ Corrosion	Cracks/Structu			Phenol:		mg/L

Outfall ID: 14-582

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in): 27
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

07/31/2013

o20130731092548.JPG

Outfall Notes:

W. 28th Street storm sewer discharges to stream from west.

County Coordinates: Latitude/Longitude:

Northing: 462,013 Latitude: 43.98693 Easting: 793,247 Longitude: -88.53705



Inspection Date:	: 7/31/2013 10:23:2	2 AM Inspector:	JCW Inspe	ction Type: Ongo	oing	Previous Rainfall (hrs):	72+	
Flow Description Submerged: Par	n: Submerged, sligh			ubmerged. Outfa am at 14-582 US1				
Illicit Discharge	Potential: Unlikely		Field Follow-up	Office Fo	ollow-up	35	5	
Floatables: None	е	Petrol. Sheen	Suds Sew	age 🗌 Algae	Other			
Odor: None	е	Petroleum	Musty Sew	age Chlorine	Other			7
		□ VOC/Solvent □	Fishy Sulf	ur 🗌 Fragrant	t		1 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	man anaga an
Turbidity: None	е							
Color: None	е					0201307310926	542.JF	PG
Gross Solids:	None	Litter [Debris Sedi	ment Other	_	Sampling Results———		
Vegetation:	None	☐ Inhibited ☐ E	Excessive			Sample Location:		
Benthic Growth:	Slight	✓ Green ☐ E	Brown			Sample ID:		
Stains:	Slight	Flow Line	Oil Rusi	Stains		Time Collected		
		Corrosion F	Paint Othe	er		Total Chlorine (field):		ppm
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/F	oam		Free Chlorine (field):		ppm
	lition Assessment —			_		Total Copper (field):		ppm
						Ammonia (field):		ppm
	None					pH (field):		units
	None None Donth (in):					Temperature (field):		°F
	None Depth (in):	<u></u>				Conductivity (field):		μS/cm
Damage:	None Displac	=	Crushed			Detergents:		mg/L
	Corrosi	on Cracks/Str	uctural Damage			Phenol:		mg/L

	Previous Rainfall (hrs): 72+
Flow Description: Submerged, slight flow Notes: Gel-like sheen on surface of stream. Outfall	
Submerged: Partially Depth (in): 6 partially submerged; additional screening upstream at 14-582 US7.	
Illicit Discharge Potential: Potential	
Floatables: None Petrol. Sheen Suds Sewage Algae Othe	er
Odor: None Petroleum Musty Sewage Chlorine Othe	er
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant	
Turbidity: None	08/27/2017 11:39
Color: None	o20120927103918.JPG
Gross Solids: None	Sampling Results
Vegetation: None Inhibited Excessive	Sample Location: Pool
Benthic Growth: Moderate	Sample ID: 120927-59
Stains: Severe	Time Collected 11:40
☐ Corrosion ☐ Paint ☐ Other	Total Chlorine (field): 0 ppm
Non-illicit: None Natural Sheen Natural Suds/Foam	Free Chlorine (field): 0 ppm
Physical Condition Assessment	Total Copper (field): 0 ppm
Graffiti: None	Ammonia (field): 0 ppm
Erosion: None	pH (field): 7.77 <i>units</i> Temperature (field): 64 ° F
Deposition: None Depth (in):	Conductivity (field): 1077 μS/cm
Damage: None Displacement Undercut Crushed	Detergents: 0 mg/L
Corrosion Cracks/Structural Damage	Phenol: - mg/L
	<u> </u>
Inspection Date: 9/5/2012 11:52:00 AM Inspector: JCW Inspection Type: Complaint	Previous Rainfall (hrs): 72+
	Previous Rainfall (hrs): 72+
Inspection Date: 9/5/2012 11:52:00 AM Inspector: JCW Inspection Type: Complaint	Previous Rainfall (hrs): 72+
Inspection Date: 9/5/2012 11:52:00 AM Inspector: JCW Inspection Type: Complaint Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 12 White Bischer are Betautist.	Previous Rainfall (hrs): 72+
Inspection Date: 9/5/2012 11:52:00 AM Inspector: JCW Inspection Type: Complaint Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 12 Illicit Discharge Potential: Potential Inspector: JCW Inspection Type: Complaint Dark black substance in water around outfal and bridge. Sample collected from stream. Field Follow-up Office Follow-up	Previous Rainfall (hrs): 72+
Inspection Date: 9/5/2012 11:52:00 AM	Previous Rainfall (hrs): 72+
Inspection Date: 9/5/2012 11:52:00 AM Inspector: JCW Inspection Type: Complaint Flow Description: Submerged, indeterminate Notes: Dark black substance in water around outfal and bridge. Sample collected from stream. Submerged: Partially Depth (in): 12 Illicit Discharge Potential: Potential Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Algae Other Odor: Noticeable from a distanc Petroleum Musty Sewage Chlorine Other	Previous Rainfall (hrs): 72+
Inspection Date: 9/5/2012 11:52:00 AM Inspector: JCW Inspection Type: Complaint Flow Description: Submerged, indeterminate Notes: Dark black substance in water around outfal and bridge. Sample collected from stream. Submerged: Partially Depth (in): 12 Illicit Discharge Potential: Potential Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Algae Other Odor: Noticeable from a distanc Petroleum Musty Sewage Chlorine Other	Previous Rainfall (hrs): 72+
Inspection Date: 9/5/2012 11:52:00 AM Inspector: JCW Inspection Type: Complaint Flow Description: Submerged, indeterminate Notes: Dark black substance in water around outfal and bridge. Sample collected from stream. Submerged: Partially Depth (in): 12 Illicit Discharge Potential: Potential Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Algae Other Odor: Noticeable from a distanc Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant	Previous Rainfall (hrs): 72+
Inspection Date: 9/5/2012 11:52:00 AM Inspector: JCW Inspection Type: Complaint Flow Description: Submerged, indeterminate Notes: Dark black substance in water around outfal and bridge. Sample collected from stream. Submerged: Partially Depth (in): 12 Illicit Discharge Potential: Potential Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Sewage Algae Other Odor: Noticeable from a distanc Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant	Previous Rainfall (hrs): 72+
Inspection Date: 9/5/2012 11:52:00 AM	Previous Rainfall (hrs): 72+ ozo120905105212.JPG
Inspection Date: 9/5/2012 11:52:00 AM	Previous Rainfall (hrs): 72+ Ozo120905105212.JPG Sampling Results
Inspection Date: 9/5/2012 11:52:00 AM	Previous Rainfall (hrs): 72+ or o20120905105212.JPG Sampling Results Sample Location: Pool
Inspection Date: 9/5/2012 11:52:00 AM	Previous Rainfall (hrs): 72+ O20120905105212.JPG Sampling Results Sample Location: Pool Sample ID: 120905-47 Time Collected 12:01 Total Chlorine (field): 0 ppm
Inspection Date: 9/5/2012 11:52:00 AM	Previous Rainfall (hrs): 72+ O20120905105212.JPG Sampling Results Sample Location: Pool Sample ID: 120905-47 Time Collected 12:01 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm
Inspection Date: 9/5/2012 11:52:00 AM	Previous Rainfall (hrs): 72+ O20120905105212.JPG Sampling Results Sample Location: Pool Sample ID: 120905-47 Time Collected 12:01 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): ppm
Inspection Date: 9/5/2012 11:52:00 AM Inspector: JCW Inspection Type: Complaint Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): 12 Illicit Discharge Potential: Potential Floatables: None	Previous Rainfall (hrs): 72+ O20120905105212.JPG Sampling Results Sample Location: Pool Sample ID: 120905-47 Time Collected 12:01 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): ppm Ammonia (field): 0 ppm
Inspection Date: 9/5/2012 11:52:00 AM	Previous Rainfall (hrs): 72+ October 1 Oct
Inspection Date: 9/5/2012 11:52:00 AM	Previous Rainfall (hrs): 72+ Ocean Sampling Results Sample Location: Pool Sample ID: 120905-47 Time Collected 12:01 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): ppm Ammonia (field): 0 ppm pH (field): 75 units Temperature (field): °F
Inspection Date: 9/5/2012 11:52:00 AM	Previous Rainfall (hrs): 72+ October 1 Oct

Inspection	Date:	6/20/2012 12:02:1	6 PM In	spector:	JCW	Inspection	ı Type: Ongo	ing	Previous Rainfall (hrs):	24-48
Flow Descr	iption:	Submerged, inde	terminate	Notes:		partially subm am at 14-582 l	erged; screen	ed		
Submerged:	: Partial	ly Depth (in): 12		ирзиса	iii at 14-302 (507.			
Illicit Disch	arge Pot	tential: Unlikely] Field Fo	ollow-up	Office Fo	llow-up		
Floatables:	None		Petrol.	Sheen _	Suds	Sewage	Algae	Other		
Odor:	None		Petrole		Musty	Sewage		Other		
Turbidity:	None		☐ VOC/S	olvent _	Fishy	Sulfur	Fragrant			06/20/2012 12:01
Color:	None								020120620110	0152.JPG
Gross Solids		ne	Litter		Debris	Sedimer	nt Other	_	Sampling Results———	
Vegetation:	Non		Inhibite	ed 🗌	Excessiv	e			Sample Location:	
Benthic Gro	wth: Mod	derate	✓ Green	✓	Brown				Sample ID:	
Stains:	Non	ne	☐ Flow Li	ine 🗌	Oil	Rust Sta	ins		Time Collected	
			☐ Corros	ion 🗌	Paint	Other			Total Chlorine (field):	<i>ppm</i>
Non-illicit:	Non	16	Natura	l Sheen	☐ Natu	ral Suds/Foan	n		Free Chlorine (field):	ppm
Physical	Condition	n Assessment —							Total Copper (field): Ammonia (field):	ppm
Graffiti:	Non	ne							pH (field):	ppm units
Erosion:	Non	ne							Temperature (field):	°F
Depositio		ne Depth (in):							Conductivity (field):	μS/cm
Damage:	Non	ne 🗌 Displac	ement 🗌 L	Indercut		Crushed			Detergents:	mg/L
		Corrosi	on 🗌 C	Cracks/Str	ructural D)amage			Phenol:	mg/L
Inspection	Date:	10/5/2011 12:26:0	0 PM In	spector:	JCW	Inspection	Type: Repe	at	Previous Rainfall (hrs):	72+
		10/5/2011 12:26:0 Submerged, inde		Notes:	Compla	aint follow-up.	Outfall partiall	у		72+
Flow Descr Submerged:	r iption: : Partial	Submerged, inde	terminate		Compla	aint follow-up. rged. Outfall s		y eam at 14-		72+
Flow Descr	r iption: : Partial	Submerged, inde	terminate):		Compla submer 585 US	aint follow-up. rged. Outfall s	Outfall partiall creened upstro	y eam at 14- cted.		72+
Flow Descr Submerged:	r iption: : Partial	Submerged, inde	terminate):	Notes:	Compla submer 585 US	aint follow-up. rged. Outfall s 7. Limited scr	Outfall partiall creened upstro eening conduction	y eam at 14- cted.		72+
Flow Descr Submerged:	r iption: : Partial	Submerged, inde	terminate): Petrol. Petrole	Notes: Sheen	Comples submer 585 US Field For Suds Musty	aint follow-up. rged. Outfall s 7. Limited scr collow-up Sewage Sewage	Outfall partiall creened upstrate eening conduction Office Fo Algae Chlorine	y eam at 14- cted. ollow-up Other Other		72+
Flow Descr Submerged: Illicit Disch Floatables:	r iption: : Partial	Submerged, inde	terminate): Petrol.	Notes: Sheen	Compla submer 585 US Field Fo	aint follow-up. rged. Outfall s 7. Limited scr bllow-up Sewage	Outfall partiall creened upstreening conduction Office Fo	y eam at 14- cted. ollow-up Other Other		72+
Flow Descr Submerged: Illicit Disch Floatables: Odor:	r iption: : Partial	Submerged, inde	terminate): Petrol. Petrole	Notes: Sheen	Comples submer 585 US Field For Suds Musty	aint follow-up. rged. Outfall s 7. Limited scr collow-up Sewage Sewage	Outfall partiall creened upstrate eening conduction Office Fo Algae Chlorine	y eam at 14- cted. ollow-up Other Other		10/0
Flow Descr Submerged: Illicit Disch Floatables: Odor: Turbidity:	iption: : Partial arge Pot	Submerged, inde	terminate): Petrol. Petrole	Notes:	Comples submer 585 US Field For Suds Musty	aint follow-up. rged. Outfall s 7. Limited scr collow-up Sewage Sewage	Outfall partiall creened upstrueening conduction office Foundation of the Algae Chlorine Fragrant	y eam at 14- cted. bllow-up Cther		10/0
Flow Descr Submerged: Illicit Disch Floatables: Odor: Turbidity: Color:	iption: : Partial arge Pot	Submerged, inde	terminate): Petrol. Petrole VOC/S	Notes: Sheen	Complasubmen 585 US Field For Suds Musty Fishy	aint follow-up. rged. Outfall s 7. Limited scr bllow-up Sewage Sewage Sulfur Sedimer	Outfall partiall creened upstrueening conduction office Foundation of the Algae Chlorine Fragrant	y eam at 14- cted. bllow-up Cther	020111005122	10/1
Flow Descr Submerged: Illicit Disch Floatables: Odor: Turbidity: Color: Gross Solids	ription: : Partial arge Pot	Submerged, inde	terminate): Petrol. Petrole VOC/S	Notes: Sheen eum solvent	Complasubments 585 US Field For Suds Musty Fishy Debris	aint follow-up. rged. Outfall s 7. Limited scr bllow-up Sewage Sewage Sulfur Sedimer	Outfall partiall creened upstrueening conduction office Foundation of the Algae Chlorine Fragrant	y eam at 14- cted. bllow-up Cther	o20111005122 Sampling Results———————————————————————————————————	10/0
Flow Descr Submerged: Illicit Disch Floatables: Odor: Turbidity: Color: Gross Solids Vegetation:	ription: : Partial arge Pot	Submerged, inde	terminate): Petrol. Petrole VOC/S Litter Inhibite Green Flow Li	Sheen	Complasubmented Submented Submented Submented Suds Field For Suds Musty Fishy Debris Excessive Brown Oil	init follow-up. rged. Outfall s 7. Limited scr bllow-up Sewage Sewage Sulfur Sedimer e Rust Sta	Outfall partiall creened upstriveening conduction office For Algae Chlorine Fragrant Other	y eam at 14- cted. bllow-up Cther	o20111005122 Sampling Results Sample Location:	10/1
Flow Descr Submerged: Illicit Disch Floatables: Odor: Turbidity: Color: Gross Solida Vegetation: Benthic Gro	ription: : Partial arge Pot	Submerged, inde	terminate): Petrol. Petrole VOC/S Litter Inhibite Green	Sheen	Complasubments 585 US Field Form Suds Musty Fishy Debris Excessive	init follow-up. rged. Outfall s 7. Limited scr bllow-up Sewage Sewage Sulfur Sedimer e	Outfall partiall creened upstriveening conduction office For Algae Chlorine Fragrant Other	y eam at 14- cted. bllow-up Cther	o20111005122 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field):	ppm
Flow Descr Submerged: Illicit Disch Floatables: Odor: Turbidity: Color: Gross Solida Vegetation: Benthic Gro	ription: : Partial arge Pot	Submerged, inde	terminate): Petrol. Petrole VOC/S Litter Inhibite Green Flow Li Corros	Sheen	Complasubments 585 US Field Form Suds Musty Fishy Debris Excessive Brown Oil Paint	init follow-up. rged. Outfall s 7. Limited scr bllow-up Sewage Sewage Sulfur Sedimer e Rust Sta	Outfall partiall creened upstriveening conduction office For Algae Chlorine Fragrant Other	y eam at 14- cted. bllow-up Cther	o20111005122 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field):	ppm ppm
Flow Descr Submerged: Illicit Disch Floatables: Odor: Turbidity: Color: Gross Solida Vegetation: Benthic Gro Stains:	ription: : Partial arge Pot s: wth:	Submerged, inde	terminate): Petrol. Petrole VOC/S Litter Inhibite Green Flow Li Corros	Sheen	Complasubments 585 US Field Form Suds Musty Fishy Debris Excessive Brown Oil Paint	aint follow-up. rged. Outfall s 7. Limited scr bllow-up Sewage Sewage Sulfur Sedimer e Rust Sta	Outfall partiall creened upstriveening conduction office For Algae Chlorine Fragrant Other	y eam at 14- cted. bllow-up Cther	o20111005122 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field):	ppm ppm ppm
Flow Descr Submerged: Illicit Disch Floatables: Odor: Turbidity: Color: Gross Solide Vegetation: Benthic Gro Stains: Non-illicit: — Physical of Graffiti:	ription: : Partial arge Pot s: wth:	Submerged, inde	terminate): Petrol. Petrole VOC/S Litter Inhibite Green Flow Li Corros	Sheen	Complasubments 585 US Field Form Suds Musty Fishy Debris Excessive Brown Oil Paint	aint follow-up. rged. Outfall s 7. Limited scr bllow-up Sewage Sewage Sulfur Sedimer e Rust Sta	Outfall partiall creened upstriveening conduction office For Algae Chlorine Fragrant Other	y eam at 14- cted. bllow-up Cther	o20111005122 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field):	ppm ppm
Flow Descr Submerged: Illicit Disch Floatables: Odor: Turbidity: Color: Gross Solid: Vegetation: Benthic Gro Stains: Non-illicit: — Physical Graffiti: Erosion:	ription: : Partial arge Poi	Submerged, inde	terminate): Petrol. Petrole VOC/S Litter Inhibite Green Flow Li Corros Natura	Sheen	Complasubments 585 US Field Form Suds Musty Fishy Debris Excessive Brown Oil Paint	aint follow-up. rged. Outfall s 7. Limited scr bllow-up Sewage Sewage Sulfur Sedimer e Rust Sta	Outfall partiall creened upstriveening conduction office For Algae Chlorine Fragrant Other	y eam at 14- cted. bllow-up Cther	o20111005122 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field):	ppm ppm ppm ppm ppm
Flow Descr Submerged: Illicit Disch Floatables: Odor: Turbidity: Color: Gross Solide Vegetation: Benthic Gro Stains: Non-illicit: Physical Graffiti: Erosion: Depositio	ription: : Partial arge Pot ss: wth: Nor Condition	Submerged, inde lly Depth (in tential: Obvious ne n Assessment Depth (in):	terminate): Petrol. Petrole VOC/S Litter Inhibite Green Flow Li Corros Natura	Sheen	Complasubments 585 US Field Form Suds Musty Fishy Debris Excessive Brown Oil Paint	aint follow-up. rged. Outfall s 7. Limited scr bllow-up Sewage Sewage Sulfur Sedimer e Rust Sta	Outfall partiall creened upstriveening conduction office For Algae Chlorine Fragrant Other	y eam at 14- cted. bllow-up Cther	o20111005122 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field):	ppm ppm ppm ppm ppm ppm ppm μnits °F μS/cm
Flow Descr Submerged: Illicit Disch Floatables: Odor: Turbidity: Color: Gross Solid: Vegetation: Benthic Gro Stains: Non-illicit: — Physical Graffiti: Erosion:	ription: : Partial arge Pot ss: wth: Nor Condition	Submerged, inde	terminate): Petrol. Petrole VOC/S Litter Inhibite Green Flow Li Corros Natura	Sheen	Complasubment 585 US Field For Suds Suds Musty Fishy Debris Excessive Brown Oil Paint Natu	aint follow-up. rged. Outfall s 7. Limited scr bllow-up Sewage Sewage Sulfur Rust Sta Other ral Suds/Foan	Outfall partiall creened upstriveening conduction office For Algae Chlorine Fragrant Other	y eam at 14- cted. bllow-up Cther	o20111005122 Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm ppm ppm ppm ppm units ° F

Inspection Date: 5/26/20	011 12:21:00 PM	nspector: JCW	Inspection Type: Repeat	ıt	Previous Rainfall (hrs	s): 72+
Flow Description: Subme	erged, indeterminate		plaint follow-up. Strong chlorine		ALCOHOL: SAN A	Salara All
Submerged: Partially	Depth (in):		e pipe. Chemical interference was ne test. Limited screening con-			D. Marie
Illicit Discharge Potential:	Obvious	Field	Follow-up Office Foll	low-up	*	
Floatables:	Petrol.	Sheen Suds	Sewage Algae	Other		
Odor: Noticeable from	a distanc Petrol	eum 🗌 Musty	/ Sewage 🗸 Chlorine [Other		
	U VOC/S	Solvent Fishy	Sulfur Fragrant			ascardini Vitas
Turbidity:					020110526	112114 ing
Color:						<u> </u>
Gross Solids:	Litter	☐ Debris	Sediment Other		Sampling Results —	
Vegetation:	Inhibit		ive		'	ool
Benthic Growth:	Green	_			'	10526-x1
Stains:	☐ Flow L		☐ Rust Stains ☐ Other			2:18
	☐ Corros				Total Chlorine (field):	ppm
Non-illicit:		al Sheen 🗌 Na	tural Suds/Foam		Free Chlorine (field): Total Copper (field):	ppm ppm
Physical Condition Asses	sment ————				Ammonia (field):	ppm
Graffiti:					pH (field):	units
Erosion: Deposition:	Depth (in):				Temperature (field):	° <i>F</i>
Damage:	,	Indover t	Crushad		Conductivity (field):	μS/cm
		Undercut Cracks/Structural			Detergents: Phenol:	mg/L mg/L
			Damage		1 11011011	mg/L
Inspection Date: 5/12/20	011 1:03:00 PM	nspector: JCW	Inspection Type: Complete	aint	Previous Rainfall (hrs	s): 72+
•		nspector: JCW	Inspection Type: Comple		Previous Rainfall (hrs	s): 72+
Inspection Date: 5/12/20 Flow Description: Submer Submerged: Partially		Notes: Resp	onded to complaint about disch pipe. Outfall partially submerge	narge ed.	Previous Rainfall (hrs	s): 72+
Flow Description: Subme	erged, indeterminate Depth (in):	Notes: Resp from Yello	onded to complaint about disch	narge ed. al smell	Previous Rainfall (hrs	s): 72+
Flow Description: Subme Submerged: Partially	Depth (in): Obvious	Notes: Resp from Yello	onded to complaint about disch pipe. Outfall partially submerge w pool at end of pipe. Chemica	narge ed. al smell	Previous Rainfall (hrs	s): 72+
Flow Description: Subme Submerged: Partially Illicit Discharge Potential:	Perged, indeterminate Depth (in): Obvious Petrol.	Notes: Resp from Yellor Field Sheen Suds	onded to complaint about dischepipe. Outfall partially submerge we pool at end of pipe. Chemical Follow-up Office Foll Sewage Algae	narge ed. al smell low-up	Previous Rainfall (hrs	s): 72+
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables:	Perged, indeterminate Depth (in): Obvious Petrol. a distanc Petrol	Notes: Resp from Yellor Field Sheen Suds	onded to complaint about discher pipe. Outfall partially submerge we pool at end of pipe. Chemical Follow-up Office Foll Sewage Algae Sewage Chlorine	narge ed. al smell low-up	Previous Rainfall (hrs	s): 72+
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables:	Perged, indeterminate Depth (in): Obvious Petrol. a distanc Petrol	Notes: Resp from Yello Field Sheen Suds	onded to complaint about discher pipe. Outfall partially submerge we pool at end of pipe. Chemical Follow-up	narge ed. al smell low-up		
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables: Odor: Noticeable from Turbidity: Color: Clearly visible in	Depth (in): Obvious Petrol. a distanc Petrol. VOC/S n flow Yellow	Notes: Resp from Yello Field Sheen Suds eum Musty Solvent Fishy	onded to complaint about discherippe. Outfall partially submerge we pool at end of pipe. Chemical Follow-up	narge ed. al smell low-up Other	020110512	
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables: Odor: Noticeable from Turbidity: Color: Clearly visible in Gross Solids:	Depth (in): Obvious Petrol. a distanc Petrol. VOC/S n flow Yellow Litter	Notes: Resp from Yello Field Sheen Suds eum Musty Solvent Fishy Debris	onded to complaint about discherippe. Outfall partially submerge we pool at end of pipe. Chemical Follow-up Office Follow-up Algae Sewage Chlorine Sulfur Fragrant Sediment Other	narge ed. al smell low-up Other Other	o20110512 Sampling Results	133142.jpg
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables: Odor: Noticeable from Turbidity: Color: Clearly visible in Gross Solids: Vegetation:	Perged, indeterminate Depth (in): Obvious Petrol. a distanc Petrol. VOC/S n flow Yellow Litter Inhibit	Notes: Resp from Yellor Field Sheen Suds eum Musty Solvent Fishy Debris	onded to complaint about discherippe. Outfall partially submerge we pool at end of pipe. Chemical Follow-up Office Follow-up Algae Sewage Chlorine Sulfur Fragrant Sediment Other	narge ed. al smell low-up Other Other	o20110512 Sampling Results— Sample Location: P	133142.jpg
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables: Odor: Noticeable from Turbidity: Color: Clearly visible in Gross Solids: Vegetation: Benthic Growth:	perged, indeterminate Depth (in): Obvious Petrol. a a distanc Petrol. VOC/S n flow Yellow Litter Inhibit Green	Notes: Resp from Yello Field Sheen Suds eum Musty Solvent Fishy Debris ed Excess Brown	onded to complaint about discherippe. Outfall partially submerge we pool at end of pipe. Chemical Follow-up	narge ed. al smell low-up Other Other	o20110512 Sampling Results Sample Location: P Sample ID: 1	133142.jpg
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables: Odor: Noticeable from Turbidity: Color: Clearly visible in Gross Solids: Vegetation:	perged, indeterminate Depth (in): Obvious Petrol. a a distanc Petrol. VOC/S In flow Yellow Litter Inhibit Green Flow L	Notes: Resp from Yello Field Sheen Suds eum Musty Solvent Fishy Debris ed Excess Brown ine Oil	onded to complaint about dischapipe. Outfall partially submerge properties of pipe. Chemical properties	narge ed. al smell low-up Other Other	o20110512 Sampling Results Sample Location: P Sample ID: 1 Time Collected 1:	133142.jpg
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables: Odor: Noticeable from Turbidity: Color: Clearly visible in Gross Solids: Vegetation: Benthic Growth: Stains:	perged, indeterminate Depth (in): Obvious Petrol. a distanc Petrol. VOC/S In flow Yellow Litter Inhibit Green Flow L Corros	Notes: Resp from Yellov Field Sheen Suds eum Musty Solvent Fishy Debris ed Excess Brown Line Oil Sion Paint	onded to complaint about discherippe. Outfall partially submerge we pool at end of pipe. Chemical Follow-up	narge ed. al smell low-up Other Other	o20110512 Sampling Results Sample Location: P Sample ID: 1 Time Collected 1: Total Chlorine (field):	133142.jpg ool 10512-x1 3:00 2 ppm
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables: Odor: Noticeable from Turbidity: Color: Clearly visible in Gross Solids: Vegetation: Benthic Growth:	perged, indeterminate Depth (in): Obvious Petrol. a distanc Petrol. VOC/S In flow Yellow Litter Inhibit Green Flow L Corros	Notes: Resp from Yellov Field Sheen Suds eum Musty Solvent Fishy Debris ed Excess Brown Line Oil Sion Paint	onded to complaint about dischapipe. Outfall partially submerge properties of pipe. Chemical properties	narge ed. al smell low-up Other Other	o20110512 Sampling Results Sample Location: P Sample ID: 1 Time Collected 1: Total Chlorine (field): Free Chlorine (field):	00l 10512-x1 3:00 2 ppm 2 ppm
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables: Odor: Noticeable from Turbidity: Color: Clearly visible in Gross Solids: Vegetation: Benthic Growth: Stains:	Perged, indeterminate Depth (in): Obvious Petrol. a a distanc Petrol. VOC/S In flow Yellow Litter Inhibit Green Flow L Corros Natura	Notes: Resp from Yellov Field Sheen Suds eum Musty Solvent Fishy Debris ed Excess Brown Line Oil Sion Paint	onded to complaint about discherippe. Outfall partially submerge we pool at end of pipe. Chemical Follow-up	narge ed. al smell low-up Other Other	o20110512 Sampling Results Sample Location: P Sample ID: 1 Time Collected 1: Total Chlorine (field): Free Chlorine (field): Total Copper (field):	133142.jpg ool 10512-x1 3:00 2 ppm 2 ppm 0 ppm
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables: Odor: Noticeable from Turbidity: Color: Clearly visible in Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Assess Graffiti:	Perged, indeterminate Depth (in): Obvious Petrol. a a distanc Petrol. VOC/S In flow Yellow Litter Inhibit Green Flow L Corros Natura	Notes: Resp from Yellov Field Sheen Suds eum Musty Solvent Fishy Debris ed Excess Brown Line Oil Sion Paint	onded to complaint about discherippe. Outfall partially submerge we pool at end of pipe. Chemical Follow-up	narge ed. al smell low-up Other Other	o20110512 Sampling Results Sample Location: P Sample ID: 1 Time Collected 1: Total Chlorine (field): Free Chlorine (field):	133142.jpg ool 10512-x1 3:00 2 ppm 2 ppm 0 ppm
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables: Odor: Noticeable from Turbidity: Color: Clearly visible in Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Assess Graffiti: Erosion:	perged, indeterminate Depth (in): Obvious Petrol. a a distanc Petrol. VOC/S In flow Yellow Litter Inhibit Green Flow L Corros Natura	Notes: Resp from Yellov Field Sheen Suds eum Musty Solvent Fishy Debris ed Excess Brown Line Oil Sion Paint	onded to complaint about discherippe. Outfall partially submerge we pool at end of pipe. Chemical Follow-up	narge ed. al smell low-up Other Other	o20110512 Sampling Results Sample Location: P Sample ID: 1 Time Collected 1: Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field):	133142.jpg 00l 10512-x1 3:00 2 ppm 2 ppm 0 ppm 2 ppm 2 ppm
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables: Odor: Noticeable from Turbidity: Color: Clearly visible in Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Assess Graffiti: Erosion: Deposition:	Perged, indeterminate Depth (in): Obvious Petrol. a a distanc Petrol. VOC/S In flow Yellow Litter Inhibit Green Flow L Corros Natura	Notes: Resp from Yellov Field Sheen Suds eum Musty Solvent Fishy Debris ed Excess Brown Line Oil Sion Paint	onded to complaint about discherippe. Outfall partially submerge we pool at end of pipe. Chemical Follow-up	narge ed. al smell low-up Other Other	o20110512 Sampling Results Sample Location: P Sample ID: 1 Time Collected 1: Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field):	133142.jpg ool 10512-x1 3:00 2 ppm 2 ppm 0 ppm 2 ppm units
Flow Description: Submer Submerged: Partially Illicit Discharge Potential: Floatables: Odor: Noticeable from Turbidity: Color: Clearly visible in Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None Physical Condition Assess Graffiti: Erosion:	Perged, indeterminate Depth (in): Obvious Petrol. a distanc Petrol. VOC/S n flow Yellow Litter Inhibit Green Corros Natura sment Depth (in): Displacement	Notes: Resp from Yellov Field Sheen Suds eum Musty Solvent Fishy Debris ed Excess Brown Line Oil Sion Paint	onded to complaint about dischepipe. Outfall partially submerge we pool at end of pipe. Chemical Follow-up	narge ed. al smell low-up Other Other	o20110512 Sampling Results Sample Location: P Sample ID: 1 Time Collected 1: Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field):	2 ppm 2 ppm 0 ppm 2 ppm 2 ppm units °F

Outfall ID: 14-582 US1

Major Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

14-582

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130731093026.JPG

Outfall Notes:

Upstream manhole located approx 27 ft WNW of outfall 14-582. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 462,023 Latitude: 43.98696 Easting: 793,221 Longitude: -88.53715



Inspection Da	ate: 7/31/2013 10:2	7:12 AM Inspector: JCW Inspection Type: Ongoing Previous Ra	infall (hrs): 72+
Flow Descript	tion: Submerged, ir	determinate Notes:	
Submerged:	Partially Depth	(in): 5	A TAIL
Illicit Dischar	ge Potential: Unlike	Field Follow-up Office Follow-up	
Floatables: SI	light	✓ Petrol. Sheen Suds Sewage Algae Other	/- 77
Odor: N	one	☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other	
		─────────────────────────────────────	07/31/2013 10:30
Turbidity: N	one		
Color: No	one	02	20130731093036.JPG
Gross Solids:	None	☐ Litter ☐ Debris ☐ Sediment ☐ Other ☐ Sampling Res	ults-
Vegetation:	None	☐ ☐ Inhibited ☐ Excessive Sample Loca	tion: Pool
Benthic Growtl	h: None	Green Brown Sample ID:	130731-77
Stains:	Slight	✓ Flow Line ☐ Oil ☐ Rust Stains Time Collecte	ed 10:29
		Corrosion Paint Other Total Chlorine	e (field): 0 ppm
Non-illicit:	None	Natural Sheen Natural Suds/Foam Free Chlorine	e (field): 0 ppm
— Physical Co	ondition Assessment	Total Copper	(field): 0 ppm
		Ammonia (fie	eld): 0 <i>ppm</i>
Graffiti:	None	pH (field):	7.52 units
Erosion:	None Davida	Temperature	(field): 72 °F
Deposition:	None Depth (Conductivity	(field): 1403 μS/cm
Damage:	None Disp	acement Undercut Crushed Detergents:	0 mg/L
	Corr	osion Cracks/Structural Damage Phenol:	0 mg/L

Outfall ID: 14-595

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in):

Height/Depth (in): 22

Width (in): 38

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130717110224.JPG

Outfall Notes:

33rd Ave storm sewer discharges to stream from west.

County Coordinates: Latitude/Longitude:

Northing: 458,732 Latitude: 43.97793 Easting: 791,162 Longitude: -88.54497



Inspection	Date:	7/17/2013 11	I: 58:51 AM In	spector: J	ICW Inspec	ction Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri Submerged	•	•	, indeterminate oth (in): 5		Outfall partially s screened upstrea					4
Illicit Disch	arge	Potential: Unl	likely	F	Field Follow-up	Off	fice Follow-up			Paler
Floatables:	None)	Petrol.	Sheen S	Suds Sew	age 🗌 Alg	gae 🗌 Othe	r & W		4
Odor:	None)	Petrole		Musty ☐ Sew Fishy ☐ Sulfu		nlorine Othe			
Turbidity:	None)		olvent 🔝 F		ui 🔝 Fic	agrant		-	
Color:	None)						020130717110	248.JPG	
Gross Solid	s: N	None	Litter	☐ De	ebris 🗌 Sedi	ment 🗌 C	Other	- Sampling Results		\neg
Vegetation:	١	None	Inhibite	ed 🗌 Ex	cessive			Sample Location:		
Benthic Gro	wth: S	Slight	✓ Green	☐ Bro	own			Sample ID:		
Stains:	N	Moderate	✓ Flow L	ne 🗌 Oil	Rust	Stains		Time Collected		
			Corros	ion 🗌 Pa	int Othe	er		Total Chlorine (field):	ppm	
Non-illicit:	١	None	☐ Natura	Sheen _] Natural Suds/F	oam		Free Chlorine (field):	<i>ppm</i>	
⊢ Physical	Condi	tion Assessmen	 t			٦		Total Copper (field):	<i>ppm</i>	
Graffiti:		None						Ammonia (field):	ppm 	
Erosion:		None						pH (field):	units	
Depositio			h (in):					Temperature (field):	°F	
Deposition Damage:								Conductivity (field):	μS/cm	
Damage.	·	_ DI		Indercut	Crushed			Detergents:	mg/L	
		C	orrosion 🔲 C	Cracks/Struc	tural Damage			Phenol:	mg/L	

	Inspector: JCW	Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description:		outfall not screened. Oil observed in	
Submerged: De		5 US3 in 2009 - only upstream ble re-screened.	
Illicit Discharge Potential: Ur	nlikely	ollow-up Office Follow-up	
Floatables:	Petrol. Sheen Suds	Sewage Algae Othe	er
Odor:	Petroleum Musty	☐ Sewage ☐ Chlorine ☐ Othe	er
Total Salta or	☐ VOC/Solvent ☐ Fishy	Sulfur Fragrant	Photo Not Available
Turbidity:			Thoto Not Available
Color: Gross Solids:	Litter Debris	Sediment Other	- Sampling Results
Vegetation:	Inhibited Excessiv		Sample Location:
Benthic Growth:	Green Brown	7 .	Sample ID:
Stains:	Flow Line Oil	Rust Stains	Time Collected
Otaliio.	Corrosion Paint	Other	Total Chlorine (field): ppm
Non-illicit: None	Natural Sheen Nati	ural Suds/Foam	Free Chlorine (field): ppm
□ Physical Condition Assessment			Total Copper (field): ppm
Graffiti:	•		Ammonia (field): ppm
Erosion:			pH (field): units Temperature (field): °F
Deposition: Dep	th (in):		Conductivity (field): µS/cm
Damage:	Displacement Undercut	Crushed	Detergents: mg/L
	Corrosion Cracks/Structural	Damage	Phenol: mg/L
			,
Inspection Date: 9/4/2009	Inspector: JCW	Inspection Type: Initial	Previous Rainfall (hrs): 72+
		Inspection Type: Initial	Previous Rainfall (hrs): 72+
Inspection Date: 9/4/2009 Flow Description: Submerged		Inspection Type: Initial	Previous Rainfall (hrs): 72+
Inspection Date: 9/4/2009 Flow Description: Submerged: Submerged: Partially	n, indeterminate Notes:	Inspection Type: Initial Follow-up	Previous Rainfall (hrs): 72+
Inspection Date: 9/4/2009 Flow Description: Submerged: Partially De	n, indeterminate Notes:	_	
Inspection Date: 9/4/2009 Flow Description: Submerged: Submerged: Partially Description: Description: Position Description Description: Position Description Descripti	th, indeterminate Notes: opth (in): 7 otential Field F	follow-up	er e
Inspection Date: 9/4/2009 Flow Description: Submerged: Submerged: Partially Description: Descrip	potential Notes: Petrol. Sheen Suds	Follow-up ☐ Office Follow-up ☐ Sewage ☐ Algae ☐ Othe	er er
Inspection Date: 9/4/2009 Flow Description: Submerger Submerged: Partially De Illicit Discharge Potential: Po Floatables: Odor: Turbidity:	h, indeterminate Notes: epth (in): 7 etential Field F Petrol. Sheen Suds Petroleum Musty	Follow-up	er er 09.04.2009 13:12
Inspection Date: 9/4/2009 Flow Description: Submerged: Submerged: Partially Description: Descrip	A, indeterminate Potential Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy	Follow-up	Osh09_DSCN6531.JPG
Inspection Date: 9/4/2009 Flow Description: Submerger Submerged: Partially De Illicit Discharge Potential: Po Floatables: Odor: Turbidity: Color: Gross Solids:	A, indeterminate Poth (in): 7 Intential Petrol. Sheen Suds Petroleum Musty VOC/Solvent Fishy Litter Debris	Follow-up	Osh09_DSCN6531.JPG Sampling Results
Inspection Date: 9/4/2009 Flow Description: Submerger Submerged: Partially De Illicit Discharge Potential: Po Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	Notes: Notes:	Follow-up	Osh09_DSCN6531.JPG Sampling Results Sample Location: Pool
Inspection Date: 9/4/2009 Flow Description: Submerger Submerged: Partially De Illicit Discharge Potential: Po Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Slight	A, indeterminate ppth (in): 7 Intential	Follow-up	Osh09_DSCN6531.JPG Sampling Results Sample Location: Pool Sample ID: 090904-03
Inspection Date: 9/4/2009 Flow Description: Submerger Submerged: Partially De Illicit Discharge Potential: Po Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	Notes: Notes:	Follow-up	Osh09_DSCN6531.JPG Sampling Results Sample Location: Pool Sample ID: 090904-03 Time Collected 13:15
Inspection Date: 9/4/2009 Flow Description: Submerger Submerged: Partially De Illicit Discharge Potential: Po Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Slight Stains:	A, indeterminate ppth (in): 7 Intential	Follow-up Office Follow-up Sewage Algae Othe Sewage Chlorine Othe Sulfur Fragrant Sediment Other Rust Stains Other	Osh09_DSCN6531.JPG Sampling Results Sample Location: Pool Sample ID: 090904-03 Time Collected 13:15 Total Chlorine (field): 0 ppm
Inspection Date: 9/4/2009 Flow Description: Submerger Submerged: Partially De Illicit Discharge Potential: Po Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Slight Stains: Non-illicit: None	A, indeterminate pth (in): 7 ptential	Follow-up	Osh09_DSCN6531.JPG Sampling Results Sample Location: Pool Sample ID: 090904-03 Time Collected 13:15 Total Chlorine (field): 0 ppm
Inspection Date: 9/4/2009 Flow Description: Submerger Submerged: Partially De Illicit Discharge Potential: Po Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Slight Stains: Non-illicit: None Physical Condition Assessment	A, indeterminate pth (in): 7 ptential	Follow-up Office Follow-up Sewage Algae Othe Sewage Chlorine Othe Sulfur Fragrant Sediment Other Rust Stains Other	Osh09_DSCN6531.JPG - Sampling Results Sample Location: Pool Sample ID: 090904-03 Time Collected 13:15 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm
Inspection Date: 9/4/2009 Flow Description: Submerger Submerged: Partially Description: Programme Potential: Progr	A, indeterminate pth (in): 7 ptential	Follow-up Office Follow-up Sewage Algae Othe Sewage Chlorine Othe Sulfur Fragrant Sediment Other Rust Stains Other	Osh09_DSCN6531.JPG Sampling Results Sample Location: Pool Sample ID: 090904-03 Time Collected 13:15 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm pH (field): 7.57 units
Inspection Date: 9/4/2009 Flow Description: Submerger Submerged: Partially Description: Description: Property of the property	A, indeterminate ppth (in): 7 ptential	Follow-up Office Follow-up Sewage Algae Othe Sewage Chlorine Othe Sulfur Fragrant Sediment Other Rust Stains Other	Osh09_DSCN6531.JPG Sampling Results Sample Location: Pool Sample ID: 090904-03 Time Collected 13:15 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm pH (field): 7.57 units Temperature (field): 71 °F
Inspection Date: 9/4/2009 Flow Description: Submerger Submerged: Partially Description: Programme Potential: Progr	A, indeterminate poth (in): 7 ptential	Follow-up Office Follow-up Sewage Algae Othe Sewage Chlorine Othe Sulfur Fragrant Sediment Other Rust Stains Other Ural Suds/Foam	Osh09_DSCN6531.JPG Sampling Results Sample Location: Pool Sample ID: 090904-03 Time Collected 13:15 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm pH (field): 7.57 units Temperature (field): 71 °F Conductivity (field): µS/cm
Inspection Date: 9/4/2009 Flow Description: Submerger Submerged: Partially Description Description: Property of the property o	A, indeterminate pth (in): 7 ptential	Follow-up Office Follow-up Sewage Algae Othe Sewage Chlorine Othe Sulfur Fragrant Sediment Other Rust Stains Other	Osh09_DSCN6531.JPG Sampling Results Sample Location: Pool Sample ID: 090904-03 Time Collected 13:15 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm
Inspection Date: 9/4/2009 Flow Description: Submerger Submerged: Partially Description: Programme Potential: Progr	A, indeterminate poth (in): 7 ptential	Follow-up Office Follow-up Sewage Algae Othe Sewage Chlorine Othe Sulfur Fragrant Sediment Other Rust Stains Other	Osh09_DSCN6531.JPG Sampling Results Sample Location: Pool Sample ID: 090904-03 Time Collected 13:15 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): ppm pH (field): 7.57 units Temperature (field): 71 °F

Outfall ID: 14-595 US3

Major Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130717111358.JPG

Outfall Notes:

Upstream manhole located approx 649 ft W of outfall 14-595. Intermediate area consists of open space and fenced detention basin.

County Coordinates: Latitude/Longitude:

Northing: 458,741 Latitude: 43.97795 Easting: 790,513 Longitude: -88.54743



Inspection Date:	7/17/2013 12:11:16 PM	nspector: JCW	Inspection Type: C	Ongoing	Previous Rainfall (hrs):	72+	
Flow Description: Submerged: None		Notes: Sediment of inspecti	wet, but no collectabion.	ble flow at time			
Illicit Discharge Po	otential: Unlikely	Field Follo	ow-up Offic	ce Follow-up			N.
Floatables: None	☐ Petrol	. Sheen Suds	Sewage 🗌 Alga	ae 🗌 Other			4
Odor: None	☐ Petrol	eum Musty	Sewage Chlo	orine Other			
	☐ VOC/S	Solvent 🗌 Fishy	Sulfur Frag	grant			
Turbidity: None						12:14	
Color: None					0201307171114	10.JPG	
Gross Solids: Slig	ght Litter	☐ Debris	✓ Sediment	her	Sampling Results———		\neg
Vegetation: No	one Inhibit	ed Excessive			Sample Location:		
Benthic Growth: No	one Green	Brown			Sample ID:		
Stains: No	nne Flow L	_ine	Rust Stains		Time Collected		
	Corros	sion	Other		Total Chlorine (field):	ppm	
Non-illicit: No	one Natura	al Sheen Natural	Suds/Foam		Free Chlorine (field):	<i>ppm</i>	
Physical Conditio	on Assessment				Total Copper (field):	<i>ppm</i>	
Graffiti: No					Ammonia (field):	<i>ppm</i>	
	-				pH (field):	units	
Erosion: No	-				Temperature (field):	° <i>F</i>	
Deposition: No					Conductivity (field):	μS/cm	
Damage: No	Displacement		ished		Detergents:	mg/L	
	Corrosion	Cracks/Structural Dan	nage		Phenol:	mg/L	

Outfall ID: 14-595 US3

Inspection Date: 8/26/2010 1:14:52	2 PM Inspector: JCW	Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: Trickle		creened due to oil in 2009. No sign of	
Submerged: None Depth (in	n):	Shallow flow - no sample collected.	
Illicit Discharge Potential: Unlikely	Field	Follow-up Office Follow-up	
Floatables: None	Petrol. Sheen Suds	s Sewage Algae Oth	er Aller Aller
Odor: None	Petroleum Must	ty 🗌 Sewage 🗌 Chlorine 🗌 Oth	er and a second
Turbidity: None	☐ VOC/Solvent ☐ Fish	y 🗌 Sulfur 🗌 Fragrant	08 26 2010 15 Ne
Color: None]		o20100826130414.JPG
Gross Solids: None	Litter Debris	Sediment Other	Sampling Results
Vegetation: None	☐ Inhibited ☐ Exces	sive	Sample Location:
Benthic Growth: None	Green Brown		Sample ID:
Stains: None	Flow Line Oil	Rust Stains	Time Collected
	Corrosion Paint	Other	Total Chlorine (field): 0 ppm
Non-illicit: None	Natural Sheen Na	atural Suds/Foam	Free Chlorine (field): 0 ppm
Physical Condition Assessment			Total Copper (field): 0 ppm
Graffiti: None			Ammonia (field): 0 ppm pH (field): units
Erosion: None			Temperature (field): °F
Deposition: None Depth (in)	: 0		Conductivity (field): μS/cm
Damage: None	cement Undercut	Crushed	Detergents: mg/L
	ion Cracks/Structura	al Damage	Phenol: mg/L
☐ Corros		ug -	•
Corros			5
Inspection Date: 9/4/2009	Inspector: JCW	Inspection Type: Initial	Previous Rainfall (hrs): 72+
Inspection Date: 9/4/2009 Flow Description: None	Inspector: JCW Notes: Wet		-
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (in	Inspector: JCW Notes: Wet man	Inspection Type: Initial, no flow. Slight oil sheen in pool in	-
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (ii Illicit Discharge Potential: Potential)	Inspector: JCW Notes: Wet man al	Inspection Type: Initial, no flow. Slight oil sheen in pool in hole. Follow-up	Previous Rainfall (hrs): 72+
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (ii Illicit Discharge Potential: Potential Floatables: Slight	Inspector: JCW Notes: Wet man iii Field Petrol. Sheen Suds	Inspection Type: Initial , no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (ii Illicit Discharge Potential: Potential)	Inspector: JCW Notes: Wet man al	Inspection Type: Initial , no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (ii Illicit Discharge Potential: Potential Floatables: Slight	Inspector: JCW Notes: Wet man iii Field Petrol. Sheen Suds	Inspection Type: Initial , no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (in Illicit Discharge Potential: Potential Floatables: Slight Odor: None Turbidity: None	Inspector: JCW Notes: Wet man al	Inspection Type: Initial , no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (ii Illicit Discharge Potential: Potential Floatables: Slight Odor: None Turbidity: None	Inspector: JCW Notes: Wet man al	/ Inspection Type: Initial , no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (ii Illicit Discharge Potential: Potential Floatables: Slight Odor: None Turbidity: None Color: None	Inspector: JCW Notes: Wet man il	Inspection Type: Initial , no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+ er Osh09_DSCN6535.JPG
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (in Illicit Discharge Potential: Pote	Inspector: JCW Notes: Wet man Field Petrol. Sheen Suds Petroleum Musi VOC/Solvent Fish;	Inspection Type: Initial In no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+ er Osh09_DSCN6535.JPG Sampling Results
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (ii Illicit Discharge Potential: Potential Floatables: Slight Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None	Inspector: JCW Notes: Wet man il Field Petrol. Sheen Suds Petroleum Must VOC/Solvent Fish Litter Debris Inhibited Exces	Inspection Type: Initial In no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+ er Osh09_DSCN6535.JPG Sampling Results Sample Location:
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (in Illicit Discharge Potential: Pote	Inspector: JCW Notes: Wet man Field Petrol. Sheen Suds VOC/Solvent Fish Litter Debris Inhibited Exces Green Brown	Inspection Type: Initial , no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+ Osh09_DSCN6535.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (in Illicit Discharge Potential: Pote	Inspector: JCW Notes: Wet man Field Petrol. Sheen □ Suds □ Petroleum □ Musi □ VOC/Solvent □ Fish; Litter □ Debris □ Inhibited □ Exces □ Green □ Brown □ Flow Line □ Oil □ Corrosion □ Paint	Inspection Type: Initial , no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+ Osh09_DSCN6535.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (in Illicit Discharge Potential: Potential Floatables: Slight Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None	Inspector: JCW Notes: Wet man Field Petrol. Sheen □ Suds □ Petroleum □ Musi □ VOC/Solvent □ Fish; Litter □ Debris □ Inhibited □ Exces □ Green □ Brown □ Flow Line □ Oil □ Corrosion □ Paint	Inspection Type: Initial , no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+ Osh09_DSCN6535.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (in Illicit Discharge Potential: Potential: Floatables: Slight Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None	Inspector: JCW Notes: Wet man Field Petrol. Sheen □ Suds □ Petroleum □ Musi □ VOC/Solvent □ Fish; Litter □ Debris □ Inhibited □ Exces □ Green □ Brown □ Flow Line □ Oil □ Corrosion □ Paint	Inspection Type: Initial , no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+ Osh09_DSCN6535.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (in Illicit Discharge Potential: Potential: Floatables: Slight Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment	Inspector: JCW Notes: Wet man Field Petrol. Sheen □ Suds □ Petroleum □ Musi □ VOC/Solvent □ Fish; Litter □ Debris □ Inhibited □ Exces □ Green □ Brown □ Flow Line □ Oil □ Corrosion □ Paint	Inspection Type: Initial , no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+ Osh09_DSCN6535.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (in Illicit Discharge Potential: Potential Floatables: Slight Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Graffiti: None Erosion: None Deposition: None Depth (in)	Inspector: JCW Notes: Wet man Field Petrol. Sheen Suds Petroleum Musi VOC/Solvent Fish Litter Debris Inhibited Exces Green Brown Flow Line Oil Corrosion Paint Natural Sheen Na	Inspection Type: Initial , no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+ Osh09_DSCN6535.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): ppm pH (field): ppm
Inspection Date: 9/4/2009 Flow Description: None Submerged: None Depth (in Illicit Discharge Potential: Potential: Floatables: Slight Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in)	Inspector: JCW Notes: Wet man Field Petrol. Sheen Suds Petroleum Musi VOC/Solvent Fish Litter Debris Inhibited Exces Green Brown Flow Line Oil Corrosion Paint Natural Sheen Na	Inspection Type: Initial , no flow. Slight oil sheen in pool in hole. I Follow-up	Previous Rainfall (hrs): 72+ Osh09_DSCN6535.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units

Outfall ID: 14-615

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in): 15
Height/Depth (in):
Width (in):

Mapping Precison:

Desktop mapping estimate

✓ Not Physically Located

o20130731082824.JPG

Outfall Notes:

Stoney Beach Rd storm sewer discharges to stream from south. Outfall not located.

County Coordinates: Latitude/Longitude:

Northing: 462,538 Latitude: 43.98837 Easting: 794,103 Longitude: -88.53380



Inspection	Date: 7	7/31/2013 9:28:00	AM In	spector:	JCW	Inspect	ion Type:	Ongoing		Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	•	Submerged (not l Depth (in	•	Notes:		under dock ed upstrear		ocated. Outfa 15 US2.	all	a de la companya de l	fal	
Illicit Disch	arge Pote	ential: Unlikely			Field Fo	llow-up	□ 0	ffice Follow-u	ıp	CALL NO)†	
Floatables:	None		Petrol.	Sheen _	Suds	Sewa	ge 🗌 Al	lgae 🗌 C	Other			
Odor:	None		Petrole	um 🗌	Musty	Sewa	ge 🗌 C	hlorine 🗌 C	Other	SY Loca	te	0
			UOC/S	olvent [Fishy	Sulfu	⊤ ∏ Fı	ragrant			871911	
Turbidity:	None									Sand A		
Color:	None									o20130731082	2828.JI	PG
Gross Solids	s: None)	Litter		Debris	Sedin	nent 🗌	Other	_ S	Sampling Results———		
Vegetation:	None	;	Inhibite	d 🗌	Excessive	Э				Sample Location:		
Benthic Gro	wth: None)	Green		Brown					Sample ID:		
Stains:	None)	☐ Flow Li	ne 🗌	Oil	Rust	Stains			Time Collected		
			Corrosi	on 🗌	Paint	Other				Total Chlorine (field):		ррт
Non-illicit:	None)	☐ Natural	Sheen	☐ Natur	al Suds/Fo	am			Free Chlorine (field):		ppm
– Physical I	Condition	Assessment —								Total Copper (field):		ppm
Graffiti:	None									Ammonia (field):		ppm
Erosion:	None									pH (field):		units
										Temperature (field):		°F
Deposition		-1 ()								Conductivity (field):		μS/cm
Damage:	None	Displac	ement 🗌 L	Indercut		Crushed				Detergents:		mg/L
		Corrosi	on 🗌 C	racks/St	ructural D	amage				Phenol:		mg/L

Outfall ID: 14-615 US2

Minor Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

14-545

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

The National Control of the Control

o20130731083218.JPG

Outfall Notes:

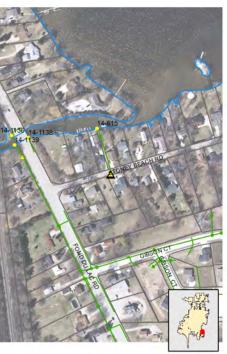
Upstream yard drain located approx 235 ft SSE of outfall 14-615. Intermediate area consists of street right-of-way and residential properties.

County Coordinates:

Latitude/Longitude:

Northing: 462,312 Latitude: 43.98775 Easting: 794.165 Longitude: -88.53357

Location Map



7/31/2013 9:32:46 AM Inspection Date: Inspector: **JCW** Inspection Type: Ongoing Previous Rainfall (hrs): 72+ Flow Description: Moderate Notes: Sample collected from flow entering catchbasin. Originates 78 ft west from 4" Submerged: Partially Depth (in): pvc. Could not open grate. Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Petrol. Sheen Suds Floatables: None Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130731083224.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results Vegetation: None Inhibited Excessive Sample Location: Flow Benthic Growth: None Green Brown Sample ID: 130731-50 None Stains: Rust Stains Time Collected Flow Line Oil 09:25 Corrosion Paint Other Total Chlorine (field): 0 ppm Free Chlorine (field): mqq Non-illicit: None □ Natural Sheen □ Natural Suds/Foam Total Copper (field): 0 ppm Physical Condition Assessment Ammonia (field): ppm Graffiti: None pH (field): 7.43 units Erosion: None Temperature (field): ۰F 71 Deposition: None Depth (in): Conductivity (field): 1379 μS/cm Damage: None Displacement Undercut Crushed Detergents: 0 mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 14-635

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in): 24
Height/Depth (in):
Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located



o20130717102530.JPG

Outfall Notes:

35th Ave storm sewer discharges into west culvert. Location approximate - GPS not available in culvert.

County Coordinates: Latitude/Longitude:

Northing: 457,123 Latitude: 43.97351 Easting: 790,346 Longitude: -88.54807



Inspection	Date: 7/17	2013 11:22:0	1 AM li	nspector:	JCW	Inspect	on Type:	Ongoing	Previous Rainfall (hrs): 72	+
	iption: Tricl		.	Notes:						فد	1
Submerged:	None	Depth (in):								
Illicit Disch	arge Potentia	il: Unlikely			Field Fo	ollow-up	Of	ffice Follow-up			
Floatables:	None		Petrol.	Sheen	Suds	Sewag	ge 🗌 Al	gae 🗌 Oth	er 💮		
Odor:	None		Petrole	eum [Musty	Sewa	ge 🗌 Cl	hlorine Oth	er Santa		
			VOC/S	Solvent [Fishy	Sulfur	Fr	agrant			
Turbidity:	None										
Color:	None								0201307	17102554.5	PG
Gross Solids	s: None		Litter		Debris	Sedim	ent 🗌 (Other	Sampling Results		
Vegetation:	None		Inhibite	ed 🗌	Excessive	е			Sample Location:	Flow	
Benthic Gro	wth: None		Green		Brown				Sample ID:	130717-	53
Stains:	Slight		✓ Flow L	ine 🗌	Oil	Rust S	Stains		Time Collected	11:22	
			Corros	ion 🗌	Paint	Other			Total Chlorine (field): 0	ppm
Non-illicit:	None		□ Natura	l Sheen	☐ Natu	ral Suds/Fo	am		Free Chlorine (field)): 0	ppm
– Physical i	Condition Ass	essment —	_						Total Copper (field)	: 0	ppm
		Coomon							Ammonia (field):	1	ppm
Graffiti:	None								pH (field):	7.6	units
Erosion:	None	Devette (')							Temperature (field)	: 71	°F
Depositio		Depth (in):							Conductivity (field):	729	μS/cm
Damage:	None	Displace	ement 🗌 l	Jndercut		Crushed			Detergents:	0	mg/L
		Corrosio	on 🗌 (Cracks/St	tructural D	amage			Phenol:	0	mg/L

Inspection Date: 9/4/20	009 Ir	spector: JCW	Inspection Type:	Initial	Previous Rainfall (hrs):	72+
Flow Description: None Submerged: None	Depth (in): 0		standing in pipe ribs - of pipe peeling.	no flow. Black		
Illicit Discharge Potentia	l: Unlikely	☐ Field F	follow-up O	ffice Follow-up		
Floatables:	Petrol.	Sheen Suds	Sewage Al	gae 🗌 Other		
Odor:	Petrole VOC/S	= ,		nlorine 🗌 Other agrant		
Turbidity:						09.04.1409-11:50
Color:					Osh09_DSCN6	528.JPG
Gross Solids:	Litter	Debris	Sediment	Other	Sampling Results	
Vegetation:	Inhibite	ed Excessiv	/e		Sample Location:	
Benthic Growth:	Green	Brown			Sample ID:	
Stains:	☐ Flow L	ne 🗌 Oil	Rust Stains		Time Collected	
	☐ Corros	ion 🗌 Paint	Other		Total Chlorine (field):	ppm
Non-illicit: None	☐ Natura	I Sheen □ Natu	ural Suds/Foam		Free Chlorine (field):	ppm
Physical Condition Asse	essment —				Total Copper (field):	<i>ppm</i>
	33ment				Ammonia (field):	<i>ppm</i>
Graffiti: None					pH (field):	units
Erosion: None	5				Temperature (field):	° <i>F</i>
Deposition: None	Depth (in): 0				Conductivity (field):	μS/cm
Damage: None	Displacement U	Jndercut	Crushed		Detergents:	mg/L
	Corrosion C	Cracks/Structural [Damage		Phenol:	mg/L

Outfall ID: 14-644

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in): 36
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

07/11/20 (8 18:11

o20130717121110.JPG

Outfall Notes:

Oregon St storm sewer discharges to stream from south.

County Coordinates: Latitude/Longitude:

Northing: 459,987 Latitude: 43.98137 Easting: 791,780 Longitude: -88.54262



Inspection I	Date: 7/17/2	2013 1:07:42 PM	Inspector:	JCW	Inspection	Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri	iption: None	•	Notes:			ctable fl	low at time of			
Submerged:	None	Depth (in):		inspect	ion.			- 4		A. De
Illicit Discha	arge Potentia	l: Unlikely		Field Fo	ollow-up	Off	fice Follow-up			P
Floatables:	None	☐ Pe	trol. Sheen	Suds	Sewage	_ Alg	gae 🗌 Othe	r		40
Odor:	None	☐ Pe	troleum	Musty	Sewage	Ch	nlorine Othe	r		1
<u>.</u>		\ _ VO	C/Solvent	Fishy	Sulfur	Fra	agrant			
Turbidity:	None								Dristi'i	2013
Color:	None							020130717121	116.JF	PG
Gross Solids	: None	Litt	er 🗌 [Debris	Sedimer	nt 🗌 C	Other	Sampling Results		
Vegetation:	None	Inh	ibited 🗌 E	Excessive	е			Sample Location:		
Benthic Grov	wth: None	☐ Gre	een 🗌 E	Brown				Sample ID:		
Stains:	None		w Line 🔲 (Oil	Rust Sta	ins		Time Collected		
		Co	rrosion 🗌 F	Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None	□ Na	tural Sheen	☐ Natu	ral Suds/Foan	1		Free Chlorine (field):		ppm
								Total Copper (field):		ppm
	Condition Asse	essmem ———						Ammonia (field):		ppm
Graffiti:	None							pH (field):		units
Erosion:	None							Temperature (field):		°F
Deposition	n: None	Depth (in):						Conductivity (field):		μS/cm
Damage:	None	Displacement [Undercut		Crushed			Detergents:		mg/L
		Corrosion [Cracks/Str	uctural D	amage			Phenol:		mg/L

Inspection Date: 9/4/2	009 Inspector: JCW	Inspection Type: Initial	Previous Rainfall (hrs): 72+
Flow Description: None	Notes:		
Submerged: None	Depth (in): 0		Name of the last o
Illicit Discharge Potentia	: Unlikely	ow-up Office Follow-up	
Floatables:	Petrol. Sheen Suds	Sewage Algae Othe	r
Odor:	Petroleum Musty VOC/Solvent Fishy	Sewage Chlorine Othe Sulfur Fragrant	
Turbidity:			09.04.2009 13:58
Color:			Osh09_DSCN6544.JPG
Gross Solids:	Litter Debris	Sediment Other	Sampling Results
Vegetation:	☐ Inhibited ☐ Excessive		Sample Location:
Benthic Growth:	☐ Green ☐ Brown		Sample ID:
Stains:	☐ Flow Line ☐ Oil	Rust Stains	Time Collected
	Corrosion Paint	Other	Total Chlorine (field): ppm
Non-illicit: None	☐ Natural Sheen ☐ Natural	Suds/Foam	Free Chlorine (field): ppm
Physical Condition Asse	essment —		Total Copper (field): ppm
Graffiti: None			Ammonia (field): ppm
Erosion: None			pH (field): units
	Donath (in)		Temperature (field): °F
Deposition: None	Depth (in): 0		Conductivity (field): μS/cm
Damage: None	☐ Displacement ☐ Undercut ☐ Cru	ushed	Detergents: mg/L
	Corrosion Cracks/Structural Dar	mage	Phenol: mg/L

Outfall ID: 14-645

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in): 24 Height/Depth (in):

Mapping Precison:

Mapping GPS

Width (in):

☐ Not Physically Located



o20130717121614.JPG

Outfall Notes:

Oregon St. storm sewer discharges to stream from north.

County Coordinates: Latitude/Longitude:

Northing: 460,033 Latitude: 43.98150 Easting: 791,853 Longitude: -88.54235



Inspection	Date: 7/17/	2013 1:12:46 PM	Inspector: JCV	V Inspection Typ	pe: Ongoing	Previous Rainfall (hrs):	72+
Flow Descr	ription: None	•		wet, but no flow leav	ring apron. Apron		- W
Submerged	: None	Depth (in):	aisp	laced 4".			
Illicit Disch	arge Potentia	l: Unlikely	Field	d Follow-up	Office Follow-up		
Floatables:	None	☐ Petr	ol. Sheen 🗌 Sud	s Sewage	Algae Othe	r	
Odor:	None	Petr	oleum 🗌 Mus	ty Sewage	Chlorine Othe	r	
		□ voc	Solvent Fish	y Sulfur	Fragrant		01/17/20
Turbidity:	None						201 170
Color:	None					020130717121	624.JPG
Gross Solid	s: Slight	✓ Litte	r 🗌 Debri	Sediment [Other	- Sampling Results	
Vegetation:	None	Inhib	oited Exces	sive		Sample Location:	
Benthic Gro	wth: Slight	✓ Gree	en 🗌 Browi	1		Sample ID:	
Stains:	Slight	✓ Flow	Line 🗌 Oil	Rust Stains		Time Collected	
		Corr	osion \square Paint	Other		Total Chlorine (field):	<i>ppm</i>
Non-illicit:	None	☐ Natu	ıral Sheen	atural Suds/Foam		Free Chlorine (field):	<i>ppm</i>
- Physical	Condition Ass	essment —				Total Copper (field):	ppm
		233mem				Ammonia (field):	<i>ppm</i>
Graffiti:	None					pH (field):	units
Erosion:	None	D 11 (1)				Temperature (field):	° <i>F</i>
Depositio		Depth (in):				Conductivity (field):	μS/cm
Damage:	Minor	✓ Displacement] Undercut [Crushed		Detergents:	mg/L
		☐ Corrosion ✓	Cracks/Structur	al Damage		Phenol:	mg/L

Inspection Date: 9/4/20	009 lr	nspector: JCW	Inspection Typ	e: Initial	Previous Rainfall (hrs):	72+
Flow Description: None		Notes: Wet, n	o flow.			
Submerged: None	Depth (in): 0					Let
Illicit Discharge Potentia	: Unlikely	Field F	follow-up	Office Follow-up		A VA
Floatables:	Petrol.	Sheen Suds	Sewage	Algae Othe		
Odor:	Petrole	eum Musty Solvent Fishy	Sewage Sulfur	Chlorine Other		
Turbidity:						09.04.2008 14:04
Color:					Osh09_DSCN6	6547.JPG
Gross Solids:	Litter	Debris	Sediment	Other	- Sampling Results	
Vegetation:	Inhibit	ed Excessiv	/e		Sample Location:	
Benthic Growth:	Green	Brown			Sample ID:	
Stains:	✓ Flow L	ine 🗌 Oil	Rust Stains		Time Collected	
	☐ Corros	sion 🗌 Paint	Other		Total Chlorine (field):	ppm
Non-illicit: None	☐ Natura	ıl Sheen 🔲 Natı	ural Suds/Foam		Free Chlorine (field):	ppm
Physical Condition Asse	essment				Total Copper (field):	ppm
Graffiti: None					Ammonia (field):	<i>ppm</i>
Erosion: None					pH (field):	units
Deposition: None	Depth (in): 0				Temperature (field):	°F
					Conductivity (field):	μS/cm
Damage: Minor			Crushed		Detergents:	mg/L
	☐ Corrosion ✓	Cracks/Structural I	Damage		Phenol:	mg/L

Outfall ID: 14-659

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Glatz Creek

Dimensions

Diameter (in): 24

Height/Depth (in): Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130731055354.JPG

Outfall Notes:

Oregon St storm sewer discharges to stream from south.

County Coordinates: Latitude/Longitude: Northing: 43.98982

463,068 Latitude: Easting: 791,853 Longitude: -88.54235



Inspection Date	ite: 7/31/2013 6:52:3	8 AM Inspector: JCW Inspection	Type: Ongoing	Previous Rainfall (hrs)	: 72+	
Flow Descript	tion: Trickle	Notes: 7" apron displacement	t	1		
Submerged: N	None Depth (i	n):				1
Illicit Discharg	ge Potential: Unlikel	Field Follow-up	Office Follow-up			
Floatables: No	one	Petrol. Sheen Suds Sewage	Algae Other			4-10-7
Odor: No	one	Petroleum Musty Sewage	☐ Chlorine ☐ Other			
		☐ VOC/Solvent ☐ Fishy ☐ Sulfur	Fragrant			
Turbidity: No	one					
Color: No	one			o2013073105	5412.JP	G
Gross Solids:	None	Litter Debris Sediment	Other	Sampling Results		
Vegetation:	None	☐ Inhibited ☐ Excessive		Sample Location: Flo	w	
Benthic Growth	h: None	Green Brown		Sample ID: 13	0731-24	
Stains:	Slight	✓ Flow Line ☐ Oil ☐ Rust Stair	ns	Time Collected 06	:50	
		Corrosion Paint Other		Total Chlorine (field):	0	ppm
Non-illicit:	None	☐ Natural Sheen ☐ Natural Suds/Foam		Free Chlorine (field):	0	ppm
— Physical Cor	endition Assessment —			Total Copper (field):	0	ppm
				Ammonia (field):	0	ppm
Graffiti:	Minor			pH (field):	8.19	units
Erosion:	None			Temperature (field):	70	°F
Deposition:	None Depth (in			Conductivity (field):	638	μS/cm
Damage:	Moderate V Displa	cement Undercut Crushed		Detergents:		mg/L
	☐ Corros	ion Cracks/Structural Damage		Phenol:	0	mg/L

Inspection Date: 9/4/2009	nspector: JCW Inspec	ction Type: Initial	Previous Rainfall (hrs):	72+
Flow Description: None Submerged: None Depth (in): 0	Notes: Apron separating bridge.	from pipe. Grafitti on		
Illicit Discharge Potential: Unlikely	Field Follow-up	Office Follow-up		
Floatables: Petrol	. Sheen Suds Sew	age	1	
Odor: Petro		• = -		
Turbidity:	Solvent Fishy Sulfu	ur Fragrant		09.04.2009 14:29
Color:			Osh09_DSCN68	559.JPG
Gross Solids: Litter	☐ Debris ☐ Sedi	ment Other	Sampling Results	
Vegetation: Inhibit	ed Excessive		Sample Location:	
Benthic Growth: Green	Brown		Sample ID:	
Stains:		Stains	Time Collected	
☐ Corro	sion	er	Total Chlorine (field):	<i>ppm</i>
Non-illicit: None	al Sheen 🔲 Natural Suds/F	oam	Free Chlorine (field):	<i>ppm</i>
Physical Condition Assessment		7	Total Copper (field):	<i>ppm</i>
Graffiti: Moderate			Ammonia (field):	ppm
Erosion: None			pH (field):	units
Deposition: None Depth (in): 0			Temperature (field):	° <i>F</i>
Domonou Modorata —	Hadamat Double		Conductivity (field):	μS/cm
Displacement	Undercut Crushed		Detergents:	mg/L
Corrosion	Cracks/Structural Damage		Phenol:	mg/L

Outfall ID: 14-660

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Glatz Creek

Dimensions

Diameter (in): 24 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130731054656.JPG

Outfall Notes:

Oregon St storm sewer discharges to stream from north.

County Coordinates: Latitude/Longitude:

Northing: 463,097 Latitude: 43.98990 Easting: 791,856 Longitude: -88.54234

Location Map



Inspection Type: Ongoing **Inspection Date:** 7/31/2013 6:44:10 AM Inspector: **JCW** Previous Rainfall (hrs): 72+ Flow Description: None Notes: Apron wet, but no collectable flow at time of inspection. Apron displacement with Submerged: None Depth (in): sinkhole above. Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130731054706.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results None Inhibited Vegetation: Excessive Sample Location: Benthic Growth: None Green Brown Sample ID: Stains: Slight Rust Stains Time Collected ✓ Flow Line Oil Corrosion Paint Other Total Chlorine (field): ppm Free Chlorine (field): ppm Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment ppm Ammonia (field): Graffiti: None pH (field): units Erosion: Moderate Temperature (field): ۰F Deposition: None Depth (in): Conductivity (field): μS/cm Damage: Moderate ✓ Displacement ✓ Undercut Crushed Detergents: mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Inspection Date: 9/4/2009	Inspector: JCW Inspection Type: Initial	Previous Rainfall (hrs): 72+
Flow Description: None	Notes: Apron separating from pipe. Grafitti on bridge.	
Submerged: None Depth (in): 0	bridge.	
Illicit Discharge Potential: Unlikely	☐ Field Follow-up ☐ Office Follow	-up
Floatables:	Petrol. Sheen Suds Sewage Algae	Other
Odor:	Petroleum Musty Sewage Chlorine	Other
	VOC/Solvent Fishy Sulfur Fragrant	09.04.2008 14:25
Turbidity:		
Color:		Osh09_DSCN6553.JPG
Gross Solids:	Litter Debris Sediment Other	Sampling Results
Vegetation:	Inhibited	Sample Location:
Benthic Growth:	Green	Sample ID:
Stains:	Flow Line Oil Rust Stains	Time Collected
	Corrosion Paint Other	Total Chlorine (field): ppm
Non-illicit: None	Natural Sheen Natural Suds/Foam	Free Chlorine (field): ppm
Physical Condition Assessment		Total Copper (field): ppm
		Ammonia (field): ppm
Graffiti: Moderate		pH (field): units
Erosion: None		Temperature (field): °F
Deposition: None Depth (in): 0		Conductivity (field): μS/cm
Damage: Moderate Displacement	t Undercut Crushed	Detergents: mg/L
Corrosion	Cracks/Structural Damage	Phenol: mg/L

Outfall ID: 14-670

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Johnson Ave

- Dimensions

Diameter (in): 15
Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130717103622.JPG

Outfall Notes:

35th Ave storm sewer discharges to east CTH I ditch from west.

County Coordinates: Latitude/Longitude:

Northing: 457,027 Latitude: 43.97325 Easting: 791,726 Longitude: -88.54282



Inspection D	Date: 7/17/2013 11:32:2	9 AM Inspector: JCV	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descrip	ption: None		on sediment wet, but no	collectable flow		
Submerged:	None Depth (in	at til	me of inspection.			
Illicit Discha	rge Potential: Unlikely	☐ Field	d Follow-up	ffice Follow-up		
Floatables:	None	Petrol. Sheen Sud	s Sewage Al	gae Other		The state of
Odor:	None	Petroleum Mus	ty 🗌 Sewage 🗌 Cl	hlorine Other	WAS THE STATE OF T	
_ _		☐ VOC/Solvent ☐ Fish	y 🗌 Sulfur 📗 Fr	agrant	No September 1	THE COL
Turbidity:	None				ASS	《海州》
Color:	None				o201307171036	i32.JPG
Gross Solids	: Slight	✓ Litter	Sediment (Other	Sampling Results———	
Vegetation:	None	☐ Inhibited ☐ Exces	sive		Sample Location:	
Benthic Grow	vth: Slight	✓ Green ☐ Brown	1		Sample ID:	
Stains:	Slight	✓ Flow Line ☐ Oil	Rust Stains		Time Collected	
		Corrosion Paint	Other		Total Chlorine (field):	<i>ppm</i>
Non-illicit:	None	☐ Natural Sheen ☐ N	atural Suds/Foam		Free Chlorine (field):	<i>ppm</i>
	Condition Assessment —				Total Copper (field):	<i>ppm</i>
1					Ammonia (field):	<i>ppm</i>
Graffiti:	None				pH (field):	units
Erosion:	None				Temperature (field):	° <i>F</i>
Deposition	1 (/	4			Conductivity (field):	μS/cm
Damage:	None Displac	ement Undercut	Crushed		Detergents:	mg/L
	☐ Corrosi	on Cracks/Structura	al Damage		Phenol:	mg/L

Flow Description: None Submerged: None Depth (in): 0 Illicit Discharge Potential: Unlikely Notes: Standing water inside pipe due to sediment at end - no flow leaving pool. Field Follow-up Office Follow-up	
Illicit Discharge Potential: Unlikely	
Floatables: Petrol. Sheen Suds Sewage Algae Other	
Odor:	
Turbidity:	
Color: Osh09_DSCN6521.J	PG
Gross Solids:	
Vegetation:	
Benthic Growth: Green Brown Sample ID:	
Stains:	
☐ Corrosion ☐ Paint ☐ Other ☐ Total Chlorine (field):	ррт
Non-illicit: None	ррт
Total Copper (field):	ppm
Ammonia (field): Graffiti: None pH (field):	ppm
Erosion: None Frequency Fr	units ∘ F
Deposition: Depth (in): 4 Conductivity (field):	μS/cm
Damage: None Displacement Undercut Crushed Detergents:	mg/L
Corrosion Cracks/Structural Damage Phenol:	mg/L

Outfall ID: 14-675

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in): 12 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130717120448.JPG

Outfall Notes:

Waukau Ave storm sewer discharges into east culvert.

County Coordinates: Latitude/Longitude:

Northing: 459,932 Latitude: 43.98122 Easting: 791,648 Longitude: -88.54313



Inspection	Date: 7/17/	2013 1:03:55 PM	Inspector: JCV	/ Inspec	ion Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr	iption: None	Depth (in):		er in pipe corr ectable flow at			N. C.	No.	
		,						m,	N/A
IIIICIT DISCN	arge Potentia	I: Unlikely	Field	l Follow-up	∐ Off	fice Follow-up		ν	1 Par
Floatables:	None	☐ Petro	ol. Sheen 🗌 Sud	s 🗌 Sewa	ge 🗌 Alg	gae 🗌 Othe	r 📗 🧪	-	The state of the s
Odor:	None	Petro	oleum 🗌 Mus	ty 🗌 Sewa	ge 🗌 Ch	nlorine Othe	er 💮 💮	3	
		☐ VOC	/Solvent 🗌 Fish	y 🗌 Sulfu	r 🗌 Fra	agrant	(A) (A)		013 13308
Turbidity:	None								
Color:	None						020130717120	604.JF	PG
Gross Solids	s: None	Litter	Debris	Sedin	nent 🗌 C	Other	- Sampling Results		
Vegetation:	None	Inhib	ited	sive			Sample Location:		
Benthic Gro	wth: None	Gree	n 🗌 Browr				Sample ID:		
Stains:	Slight	Flow	Line Oil	Rust	Stains		Time Collected		
		✓ Corre	osion 🗌 Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None	□ Natu	ral Sheen	atural Suds/Fo	oam		Free Chlorine (field):		ppm
– Physical	Condition Asse						Total Copper (field):		ppm
Graffiti:	None	Johnson					Ammonia (field):		ppm
Erosion:	None						pH (field):		units
Depositio		Depth (in):					Temperature (field):		°F
Deposition Damage:	Minor	/ _		-			Conductivity (field):		μS/cm
Damaye.	IVIIIIOI	Displacement	Undercut	_ Crushed			Detergents:		mg/L
		✓ Corrosion	Cracks/Structura	al Damage			Phenol:		mg/L

Outfall ID: 14-676

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in): 30
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

70 is 59

o20130717115958.JPG

Outfall Notes:

Waukau Ave storm sewer discharges into west culvert.

County Coordinates: Latitude/Longitude:

Northing: 459,937 Latitude: 43.98123 Easting: 791,621 Longitude: -88.54323



Inspection Da	ate: 7/17/2013 12:56	:41 PM Inspector:	JCW Inspe	ection Type: Ongo	ing	Previous Rainfall (h	rs): 72+	
Flow Descrip Submerged:	otion: Moderate None Depth	Notes:	Fine light color s rocks at base of	ilt settled on culver outfall.	t and			
Illicit Discharge Potential: Unlikely					llow-up			
Floatables: N	lone	Petrol. Sheen	Suds Sew	vage Algae	Other			107
Odor: N	lone	Petroleum	☐ Musty ☐ Sev	vage Chlorine	Other			
		VOC/Solvent	☐ Fishy ☐ Sulf	fur 🗌 Fragrant				
Turbidity: N	lone							2018 19200
Color:	lone					020130717	7120006.JF	PG
Gross Solids:	None	Litter	Debris Sed	liment Other		Sampling Results—		
Vegetation:	None	Inhibited	Excessive			Sample Location:	Flow	
Benthic Grow	th: None	Green	Brown			Sample ID:	130717-8	5
Stains:	Moderate	Flow Line	Oil Rus	t Stains		Time Collected	12:56	
		✓ Corrosion	Paint Oth	er		Total Chlorine (field)	: 0	ppm
Non-illicit:	Slight	Natural Sheen	✓ Natural Suds/	Foam		Free Chlorine (field):	0	ppm
			Tratarar Sado/	oam		Total Copper (field):	0	ppm
	ondition Assessment –					Ammonia (field):	0.5	ppm
Graffiti:	None					pH (field):	8.11	units
Erosion:	None					Temperature (field):	72	°F
Deposition:	. ,	1):				Conductivity (field):	947	μS/cm
Damage:	Moderate Displa	acement Undercut	Crushed			Detergents:	0	mg/L
	✓ Corro	sion Cracks/S	tructural Damage			Phenol:	0	mg/L

Outfall ID: 14-676

Inspection Date: 6/20/2012 12:29:02 PM Inspector: JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 24-48
Flow Description: None Notes: 2011 suds (natural) follow-up. Pipe wet but	
Submerged: None Depth (in): no flow at outfall.	
Illicit Discharge Potential: Unlikely	
Floatables: None	r /
Odor: None Petroleum Musty Sewage Chlorine Othe	r Della Communication
□ VOC/Solvent □ Fishy □ Sulfur □ Fragrant	08/0/2012/12/27
Turbidity: None Color: None	o20120620112732.JPG
Gross Solids: None Litter Debris Sediment Other	- Sampling Results
Vegetation: None Inhibited Excessive	Sample Location:
Benthic Growth: None Green Brown	Sample ID:
Stains: Slight Flow Line Oil Rust Stains	Time Collected
✓ Corrosion Paint Other	Total Chlorine (field): ppm
Non-illicit: None Natural Sheen Natural Suds/Foam	Free Chlorine (field): ppm
Physical Condition Assessment	Total Copper (field): ppm
Graffiti: None	Ammonia (field): ppm
Erosion: None	pH (field): units Temperature (field): °F
Deposition: None Depth (in):	Conductivity (field): µS/cm
Damage: Minor Displacement Undercut Crushed	Detergents: mg/L
✓ Corrosion	Phenol: mg/L
Inspection Date: 10/6/2011 3:04:00 PM Inspector: JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: Moderate Notes: Persistent suds still present in mixing zone	Previous Rainfall (hrs): 72+
Flow Description: Moderate Submerged: None Depth (in): Notes: Persistent suds still present in mixing zone and downstream.	Previous Rainfall (hrs): 72+
Flow Description: Moderate Notes: Persistent suds still present in mixing zone	Previous Rainfall (hrs): 72+
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential □ Field Follow-up □ Office Follow-up □ Other	
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Petrol. Sheen Submerged: Submerged: Petrol. Sheen Moderate Petrol.	
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Petrol. Sheen Submerged: Submerged: Petrol. Sheen Submerged: Submerged: Petrol. Sheen Submerged: Petrol. Sheen Submerged:	
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Field Follow-up Office Follow-up Floatables: Moderate Petrol. Sheen ✓ Suds Sewage Algae Other Odor: None Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: None	
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Petrol. Sheen ✓ Suds Sewage Algae Other Odor: None Petroleum Musty Sewage Chlorine Other Turbidity: None Color: None	o20111006150702.JPG
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Field Follow-up Floatables: Moderate Odor: None Petrol. Sheen ✓ Suds Sewage Algae Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other	o20111006150702.JPG — Sampling Results
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Field Follow-up Floatables: Moderate Odor: None Petrol. Sheen ✓ Suds Sewage Algae Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Vegetation: None	o20111006150702.JPG Sampling Results Sample Location:
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Field Follow-up Office Follow-up Floatables: Moderate Petrol. Sheen ✓ Suds Sewage Algae Other Odor: None Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Vegetation: None Green Brown	o20111006150702.JPG Sampling Results Sample Location: Sample ID:
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Field Follow-up Floatables: Moderate Odor: None Petrol. Sheen ✓ Suds Sewage Algae Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Vegetation: None	o20111006150702.JPG Sampling Results Sample Location: Sample ID: Time Collected
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential	ozo111006150702.JPG Sampling Results Sample Location: Sample ID: Time Collected
Flow Description: Moderate Submerged: None	o20111006150702.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Field Follow-up Office Follow-up Floatables: Moderate Petrol. Sheen Suds Sewage Algae Other Odor: None Petroleum Musty Sewage Chlorine Other Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Vegetation: None Green Brown Stains: Moderate Flow Line Oil Rust Stains Corrosion Paint Other Non-illicit: None Natural Sheen Natural Suds/Foam	o20111006150702.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm
Flow Description: Moderate Submerged: None	o20111006150702.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential	o20111006150702.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Field Follow-up Office Follow-up Floatables: Moderate Petrol. Sheen Suds Sewage Algae Other Odor: None Petroleum Musty Sewage Chlorine Other Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Vegetation: None Brown Stains: Moderate Flow Line Oil Rust Stains Vone Oil Rust Stains Physical Condition Assessment Graffiti: None Erosion: None Benthic Growth: None Graffiti: None Flow Line Oil Natural Suds/Foam Physical Condition Assessment Graffiti: None Erosion: None	o20111006150702.JPG Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): ppm Temperature (field): °F

Outfall ID: 14-676

Inspection Date: 5/26/2011 12:58:00 PM Inspector: JCW Inspection Type: Other	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Notes: Limited screening conducted to check for	
Submerged: Partially Depth (in): 2 suds. Slight suds - all coming from upstream of culvert.	
Illicit Discharge Potential: Potential Field Follow-up Office Follow-up	
Floatables: None Petrol. Sheen Suds Sewage Algae Othe	er E
Odor: None	er
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant	
Turbidity: None	-00440F00404F00 IDO
Color: None	o20110526124526.JPG
Gross Solids: None	Sampling Results
Vegetation: None Inhibited Excessive	Sample Location:
Benthic Growth: None Green Brown	Sample ID:
Stains: None	Time Collected
☐ Corrosion ☐ Paint ☐ Other	Total Chlorine (field): ppm
Non-illicit: None	Free Chlorine (field): ppm
Physical Condition Assessment	Total Copper (field): ppm Ammonia (field): ppm
Graffiti: None	Ammonia (field): ppm pH (field): units
Erosion: None	Temperature (field): °F
Deposition: None Depth (in): 0	Conductivity (field): μS/cm
Damage: None	Detergents: mg/L
Corrosion Cracks/Structural Damage	Phenol: mg/L
Inspection Date: 8/26/2010 1:00:18 PM Inspector: JCW Inspection Type: Other	Previous Rainfall (hrs): 72+
Flow Description: Moderate Notes: Sample consists of sheen skimmed from surface of downstream pool	Previous Rainfall (hrs): 72+
Flow Description: Moderate Submerged: None Depth (in): Notes: Sample consists of sheen skimmed from surface of downstream pool.	Previous Rainfall (hrs): 72+
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Notes: Sample consists of sheen skimmed from surface of downstream pool. Field Follow-up Office Follow-up	
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential □ Field Follow-up □ Office Follow-up □ Other	
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Petroleum Musty Sewage Chlorine Other	er
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate	er
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Notes: Sample consists of sheen skimmed from surface of downstream pool. Field Follow-up Office Follow-up Other VOC/Solvent Fishy Sulfur Fragrant	er
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Petrol. Sheen Suds Sewage Algae Other Odor: None Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None	06.28.2010 12187 020100826123758.JPG
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Petroleum Musty Sewage Chlorine Other Turbidity: None Color: None Gross Solids: None Litter Debris Sample consists of sheen skimmed from surface of downstream pool. Field Follow-up Field Follow-up Office Follow-up Office Follow-up Field Follow-up Office Follow-up Field Follow-up Office Follow-up Field Follow-up Other Other	o20100826123758.JPG — Sampling Results
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Petrol. Sheen Suds Sewage Algae Other Odor: None Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Gross Solids: None Litter Debris Sediment Other Vegetation: None Inhibited Excessive	o20100826123758.JPG Sampling Results Sample Location: Pool
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Gross Solids: None Litter Debris Sediment Other Vegetation: None Green Brown	o20100826123758.JPG Sampling Results Sample Location: Pool Sample ID: 100826-85
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Gross Solids: None Litter Debris Sediment Other Vegetation: None Green Brown Stains: Moderate Discharge Potential: Potential Notes: Sample consists of sheen skimmed from surface of downstream pool. Sample consists of sheen skimmed from surface of downstream pool. Sample consists of sheen skimmed from surface of downstream pool. Sample consists of sheen skimmed from surface of downstream pool. Field Follow-up Other Other Other VoC/Solvent Fishy Sulfur Fragrant Other O	o20100826123758.JPG Sampling Results Sample Location: Pool Sample ID: 100826-85 Time Collected 12:40
Flow Description: Moderate Submerged: None	o20100826123758.JPG Sampling Results Sample Location: Pool Sample ID: 100826-85 Time Collected 12:40 Total Chlorine (field): 0 ppm
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Field Follow-up Office Follow-up Floatables: Moderate Petrol. Sheen Suds Sewage Algae Other Odor: None Petroleum Musty Sewage Chlorine Other Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Vegetation: None Benthic Growth: None Green Brown Stains: Moderate Potential Notes: Sample consists of sheen skimmed from surface of downstream pool. Field Follow-up Office Follow-up Field Follow-up Other Other Other Other None Debris Sediment Other Other Fragrant Other None Brown Stains: Moderate Flow Line Oil Rust Stains Corrosion Paint Other Non-illicit: None Natural Sheen Natural Suds/Foam	o20100826123758.JPG Sampling Results Sample Location: Pool Sample ID: 100826-85 Time Collected 12:40 Total Chlorine (field): 0 ppm
Flow Description: Moderate Submerged: None	o20100826123758.JPG Sampling Results Sample Location: Pool Sample ID: 100826-85 Time Collected 12:40 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Petrol. Sheen Suds Sewage Algae Other Odor: None Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None Litter Debris Sediment Other Vegetation: None Inhibited Excessive Benthic Growth: None Green Brown Stains: Moderate Oil Rust Stains Physical Condition Assessment Graffiti: None	o20100826123758.JPG Sampling Results Sample Location: Pool Sample ID: 100826-85 Time Collected 12:40 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm pH (field): 8.52 units
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Petrol. Sheen Suds Sewage Algae Other Odor: None Petroleum Musty Sewage Chlorine Other Turbidity: None Color: None Litter Debris Sediment Other Vegetation: None Green Brown Stains: Moderate Piow Line Oil Rust Stains Physical Condition Assessment Graffiti: None Graffiti: None Green None Green Natural Sheen Natural Suds/Foam Physical Condition Assessment Graffiti: None Erosion: None	o20100826123758.JPG Sampling Results Sample Location: Pool Sample ID: 100826-85 Time Collected 12:40 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm Ammonia (field): 0 ppm pH (field): 8.52 units Temperature (field): 76 °F
Notes: Sample consists of sheen skimmed from surface of downstream pool. Illicit Discharge Potential: Potential Field Follow-up Office Follow-up	sampling Results Sample Location: Pool Sample ID: 100826-85 Time Collected 12:40 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm pH (field): 8.52 units Temperature (field): 76 °F Conductivity (field): µS/cm
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Petrol. Sheen Suds Sewage Algae Other Odor: None Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None Litter Debris Sediment Other Vegetation: None Green Brown Stains: Moderate Flow Line Oil Rust Stains Corrosion Paint Other Non-illicit: None Natural Sheen Natural Suds/Foam Physical Condition Assessment Graffiti: None Deposition: None Depth (in): 0	o20100826123758.JPG Sampling Results Sample Location: Pool Sample ID: 100826-85 Time Collected 12:40 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm Ammonia (field): 0 ppm pH (field): 8.52 units Temperature (field): 76 °F

Outfall ID: 14-676

Inspection Date: 8/26/2010 12:58:18 I	PM Inspector: JCW Ins	spection Type: Ongoing	Previous Rainfall (hrs):	72+
Flow Description: Moderate		ds and gel-like sheen	The same of the sa	
Submerged: None Depth (in):	downstream			
Illicit Discharge Potential: Potential	Field Follow-u	up Office Follow-up		
Floatables: Moderate	Petrol. Sheen 🗸 Suds 🗌 S	Sewage ☐ Algae ✓ Other		
Odor: None	, _	Sewage Chlorine Cother	TANK	
Turbidity: None	☐ VOC/Solvent ☐ Fishy ☐ S	Sulfur Fragrant	" "	191.28.2010 39:50
Color: None			0201008261236	658.JPG
Gross Solids: None	Litter Debris S	Sediment Other	- Sampling Results———	
Vegetation: None	Inhibited Excessive	_	Sample Location: Flow	,
Benthic Growth: None	Green Brown		Sample ID: 1008	326-52
Stains: Moderate	 ☐ Flow Line ☐ Oil ☐ F	Rust Stains	Time Collected 12:40	0
	Corrosion Paint C	Other	Total Chlorine (field):	0 ppm
Non-illicit: None	Natural Sheen Natural Suc	ds/Foam	Free Chlorine (field):	0 <i>ppm</i>
Physical Condition Assessment			Total Copper (field):	0 ppm
Graffiti: None			Ammonia (field):	0 ppm
Erosion: None			pH (field): Temperature (field):	8.3 <i>units</i> 78 ° <i>F</i>
Deposition: None Depth (in): ()		Conductivity (field):	μS/cm
Damage: Moderate Displacem	nent Undercut Crushe	ed	Detergents:	0 mg/L
✓ Corrosion	Cracks/Structural Damage		Phenol:	0 mg/L
Inspection Date: 9/4/2009	Inspector: JCW Ins	spection Type: Initial	Previous Rainfall (hrs):	72+
Inspection Date: 9/4/2009 Flow Description: Moderate	Notes: Sample 0909	0411 collected from pool	Previous Rainfall (hrs):	72+
	Notes: Sample 0909		Previous Rainfall (hrs):	72+
Flow Description: Moderate	Notes: Sample 0909	0411 collected from pool etergent detected.	Previous Rainfall (hrs):	72+
Flow Description: Moderate Submerged: None Depth (in):	Notes: Sample 0909 (suds). No de	0411 collected from pool etergent detected.		72+
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential	Notes: Sample 0909 (suds). No de Field Follow-u Petrol. Sheen ✓ Suds S Petroleum Musty S	0411 collected from pool etergent detected. up		72+
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None	Notes: Sample 0909 (suds). No de Field Follow-u Petrol. Sheen ✓ Suds S Petroleum Musty S	00411 collected from pool etergent detected. up		72+
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Turbidity: None	Notes: Sample 0909 (suds). No de Field Follow-u Petrol. Sheen ✓ Suds S Petroleum Musty S	0411 collected from pool etergent detected. up		09.04.2009 13:38
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Turbidity: None Color: None	Notes: Sample 0909 (suds). No de Field Follow-u Petrol. Sheen ✓ Suds S Petroleum Musty S VOC/Solvent Fishy S	O411 collected from pool etergent detected. Up	Osh09_DSCN6s	09.04.2009 13:38
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None	Notes: Sample 0909 (suds). No de (suds). No de Field Follow-u	0411 collected from pool etergent detected. up	Osh09_DSCN6s	09.04.2009 13:36 538.JPG
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None	Notes: Sample 0909 (suds). No de (suds). No	O411 collected from pool etergent detected. Up	Osh09_DSCN63 - Sampling Results Sample Location: Flow	09.04.2009 13:38 538.JPG
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None	Notes: Sample 0909 (suds). No de (suds). No	O411 collected from pool etergent detected. up	Osh09_DSCN63 Sampling Results Sample Location: Flow Sample ID: 0909	00.04.2009 13:30 538.JPG
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate	Notes: Sample 0909 (suds). No de (suds). No	O411 collected from pool etergent detected. Up	Osh09_DSCN63 - Sampling Results Sample Location: Flow	538.JPG
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate	Notes: Sample 0909 (suds). No de (suds). No	0411 collected from pool etergent detected. up	Osh09_DSCN68 Sampling Results Sample Location: Flow Sample ID: 0909 Time Collected 13:40	00.04.2009 13:30 538.JPG
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate	Notes: Sample 0909 (suds). No de (suds). No	0411 collected from pool etergent detected. up	Osh09_DSCN63 Sampling Results Sample Location: Flow Sample ID: 0909 Time Collected 13:40 Total Chlorine (field): Free Chlorine (field): Total Copper (field):	538.JPG 004-10 0 ppm
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None Physical Condition Assessment	Notes: Sample 0909 (suds). No de (suds). No	0411 collected from pool etergent detected. up	Osh09_DSCN69 Sampling Results Sample Location: Flow Sample ID: 0909 Time Collected 13:40 Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field):	004-10 0
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None Physical Condition Assessment Graffiti: None	Notes: Sample 0909 (suds). No de (suds). No	0411 collected from pool etergent detected. up	Osh09_DSCN68 Sampling Results Sample Location: Flow Sample ID: 0909 Time Collected 13:40 Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): 8	004-10 0
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None	Notes: Sample 0909 (suds). No de (suds). Notes: Sample 0909 (suds). No de (suds). Notes: Sample 0909 (suds). No de (sud	0411 collected from pool etergent detected. up	Osh09_DSCN68 Sampling Results Sample Location: Flow Sample ID: 0909 Time Collected 13:40 Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): 8 Temperature (field):	004-10 0 ppm 0 ppm 0 ppm 0 ppm ppm 8.32 units 78 ° F
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in): Other Condition C	Notes: Sample 0909 (suds). No de (suds). Note a suds a sud	O411 collected from pool etergent detected. Up Office Follow-up Sewage Algae Other Sewage Fragrant Sediment Other Rust Stains Other ds/Foam	Osh09_DSCN63 -Sampling Results Sample Location: Flow Sample ID: 0909 Time Collected 13:40 Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field):	00.04.2000 18:30 004-10 0
Flow Description: Moderate Submerged: None Depth (in): Illicit Discharge Potential: Potential Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None Graffiti: None Erosion: None Deposition: None Depth (in): One	Notes: Sample 0909 (suds). No de (suds). Note a suds a sud	O411 collected from pool etergent detected. up	Osh09_DSCN68 Sampling Results Sample Location: Flow Sample ID: 0909 Time Collected 13:40 Total Chlorine (field): Free Chlorine (field): Total Copper (field): Ammonia (field): pH (field): 8 Temperature (field):	004-10 0 ppm 0 ppm 0 ppm 0 ppm ppm 8.32 units 78 ° F

Outfall ID: 14-759

Minor Outfall

Structure Type:

Inlet/Catchbasin

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

✓ Not Physically Located

07/31/2018 09 51

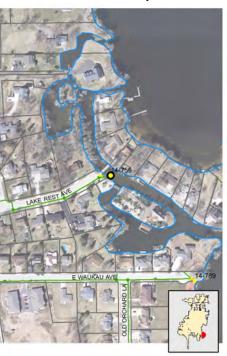
o20130731085130.JPG

Outfall Notes:

Lake Rest Ave storm sewer discharges to channel from east.

County Coordinates: Latitude/Longitude:

Northing: 460,368 Latitude: 43.98242 Easting: 795,504 Longitude: -88.52848



Inspection	Date: 7	7/31/2013 9:48:46 AM	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descri Submerged:	-	Submerged (not located) Depth (in):		not located. Outfall s am at 14-759 US1.	screened	Out	
Illicit Discha	arge Pote	ntial: Unlikely	☐ Field F	ollow-up O	ffice Follow-up	No	CAS
Floatables:	None	Petrol.	. Sheen 🗌 Suds	Sewage Al	gae Other		AND TO
Odor:	None	Petrole	eum Musty	Sewage C	hlorine Other	Loga	tec-
	None None		Solvent Fishy	Sulfur Fr	agrant	020130731085	138.JPG
Gross Solids	s: None	Litter	Debris	Sediment	Other –	Sampling Results —	
Vegetation:	None	Inhibite	ed	re		Sample Location:	
Benthic Grov	wth: None	Green	☐ Brown			Sample ID:	
Stains:	None	Flow L	ine Oil	Rust Stains		Time Collected	
		Corros	sion	Other		Total Chlorine (field):	ppm
Non-illicit:	None	□ Natura	al Sheen	ral Suds/Foam		Free Chlorine (field):	<i>ppm</i>
– Physical (Condition .	Assessment —				Total Copper (field):	ppm
Graffiti:	None					Ammonia (field):	ppm
Erosion:	None					pH (field):	units
Deposition						Temperature (field):	° <i>F</i>
Damage:	None					Conductivity (field):	μS/cm
Bamage.	None	Displacement t	Undercut () Cracks/Structural [Crushed Damage		Detergents: Phenol:	mg/L mg/L

Outfall ID: 14-759 US1

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

14-759

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130731085834.JPG

Outfall Notes:

Upstream manhole located approx 48 ft W of outfall 14-759. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 460,371 Latitude: 43.98243 Easting: 795,456 Longitude: -88.52866



Inspection	Date:	7/31/2013 9:51:42	: AM In	spector:	JCW	Inspectio	n Type:	Ongoing	Previous Rainfall (h	rs): 72	+
Flow Descr	iption:	Submerged, inde	terminate	Notes:							
Submerged:	Fully	Depth (in	ı): 30						1		
Illicit Disch	arge Po	tential: Unlikely			Field Fo	ollow-up	Of	ffice Follow-up	1/-	20	4
Floatables:	None		Petrol.	Sheen [Suds	Sewage	Al	gae 🗌 Othe	er (2
Odor:	None		Petrole	um [Musty	Sewage	· C	nlorine Othe	er 💮		
			UVOC/S	olvent [Fishy	Sulfur	Fr	agrant		07/31	/2\\3 09*08
Turbidity:	None								2010270	1005040	
Color:	None								02013073	085842.J	IPG
Gross Solids	s: Slig	ıht	✓ Litter		Debris	Sedime	nt 🗌 (Other	- Sampling Results		
Vegetation:	Nor	ne	Inhibite	d 🗌	Excessive	е			Sample Location:	Pool	
Benthic Gro	wth: Nor	ne	Green		Brown				Sample ID:	130731-2	20
Stains:	Nor	ne	☐ Flow Li	ne 🗌	Oil	Rust St	ains		Time Collected	09:50	
			Corrosi	on 🗌	Paint	Other			Total Chlorine (field)	0	ррт
Non-illicit:	Nor	ne	☐ Natura	Sheen	☐ Natu	ral Suds/Foa	m		Free Chlorine (field):	0	ррт
— Physical I	Conditio	n Assessment —							Total Copper (field):	0	ppm
									Ammonia (field):	0	ppm
Graffiti:	Nor	_							pH (field):	7.55	units
Erosion:	Nor	-							Temperature (field):	74	°F
Deposition		/ /							Conductivity (field):	678	μS/cm
Damage:	Nor	ne 🗌 Displac	ement 🗌 L	Indercut		Crushed			Detergents:	0	mg/L
		Corrosi	on 🗌 C	racks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 14-766

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in): 30 Height/Depth (in): Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

distributed for a

o20130717123408.JPG

Outfall Notes:

Waukau Ave storm sewer discharges to railroad right-of-way from east.

County Coordinates: Latitude/Longitude:

Northing: 459,952 Latitude: 43.98128 Easting: 792,571 Longitude: -88.53962



Inspection I	Date: 7/17/2013 1:30:26	PM Inspector: JC	W Inspect	ion Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri	ption: None		,	no collecta	able flow at time	* 1		
Submerged:	None Depth (in	ot ot	inspection.				-	-11
Illicit Discha	arge Potential: Unlikely	Fie	eld Follow-up	Off	fice Follow-up			
Floatables:	None	Petrol. Sheen Su	ds 🗌 Sewa	ge 🗌 Alg	gae 🗌 Othe			
Odor:	None	Petroleum Mu	ısty 🗌 Sewa	ge 🗌 Ch	lorine Othe		1	1
_		☐ VOC/Solvent ☐ Fis	shy 🗌 Sulfur	Fra	agrant			12/24
Turbidity:	None							
Color:	None					o201307171234	414.JF	' G
Gross Solids	: None	Litter Deb	ris Sedim	nent 🗌 C	Other	- Sampling Results		
Vegetation:	None	☐ Inhibited ☐ Exce	essive			Sample Location:		
Benthic Grov	wth: Slight	✓ Green ☐ Brow	vn			Sample ID:		
Stains:	Slight	✓ Flow Line ☐ Oil	☐ Rust S	Stains		Time Collected		
		Corrosion Pain	t Other			Total Chlorine (field):		ppm
Non-illicit:	None	☐ Natural Sheen ☐	Natural Suds/Fo	am		Free Chlorine (field):		ppm
— Physical (Condition Assessment —					Total Copper (field):		ppm
						Ammonia (field):		ppm
Graffiti:	None					pH (field):		units
Erosion:	None					Temperature (field):		°F
Deposition	. ,	10				Conductivity (field):		μS/cm
Damage:	None Displac	ement Undercut	Crushed			Detergents:		mg/L
	☐ Corrosi	on Cracks/Structu	ıral Damage			Phenol:		mg/L

Outfall ID: 14-766

Inspection Date:	9/4/2009	Inspector: JCW	Inspection Type:	Initial	Previous Rainfall (hrs):	72+
Flow Description:	Submerged, no flow	Notes: Pool at	t end of pipe - no flow	leaving pool.		
Submerged: Parti	ally Depth (in): 11				办 "我 多"之间	
Illicit Discharge P	otential: Unlikely	☐ Field F	ollow-up	fice Follow-up		V.
Floatables:	☐ Pet	rol. Sheen 🗌 Suds	Sewage Alg	gae Other		6
Odor:		roleum		nlorine Other agrant		
Turbidity:						
Color:					Osh09_DSCN6	550.JPG
Gross Solids:	Litte	er Debris	Sediment 0	Other	Sampling Results———	
Vegetation:	Inhi	bited Excessiv	re		Sample Location:	
Benthic Growth: SI	ight ✓ Gre	en 🗌 Brown			Sample ID:	
Stains:	☐ Flow	v Line 🗌 Oil	Rust Stains		Time Collected	
	☐ Cor	rosion 🗌 Paint	Other		Total Chlorine (field):	<i>ppm</i>
Non-illicit: No	one Nat	ural Sheen 🔲 Natu	ıral Suds/Foam		Free Chlorine (field):	<i>ppm</i>
Physical Condition	on Assessment —				Total Copper (field):	<i>ppm</i>
'	one				Ammonia (field):	ppm
	one				pH (field):	units °F
Deposition:	Depth (in): 9				Temperature (field): Conductivity (field):	-
11 '	one Displacement	Undercut	Crushed		Detergents:	μS/cm ma/l
	Corrosion	☐ Cracks/Structural [Phenol:	mg/L mg/L
						g, <u>L</u>

Outfall ID: 14-789

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Drainage Basin:

Johnson Ave

- Dimensions

Diameter (in): 24 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

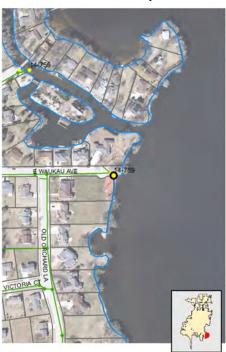
o20130731090940.JPG

Outfall Notes:

Waukau Ave storm sewer discharges to lake from west.

County Coordinates: Latitude/Longitude:

Northing: 459,846 Latitude: 43.98099 Easting: 795,906 Longitude: -88.52695



Inspection	Date: 7/31	/ 2013 10:02:56 AM In	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged:	•	merged, indeterminate Depth (in): 9		o in pipe and apron. Corged. Outfall screene 9.	, ,		1
Illicit Disch	arge Potentia	al: Unlikely	☐ Field F	Follow-up O	ffice Follow-up		
Floatables:	None	Petrol.	Sheen Suds	Sewage Al	gae Other		
Odor:	None	☐ Petrole	eum 🗌 Musty	Sewage Cl	hlorine Other		
Turbidity:	None	UVOC/S	Solvent Fishy	Sulfur Fr	ragrant)n ?	
Color:	None					o20130731090	946.JPG
Gross Solids	s: Slight	✓ Litter	Debris	Sediment	Other	Sampling Results	
Vegetation:	None	Inhibite	ed Excessi	ve		Sample Location:	
Benthic Gro	wth: Moderate	e Green	Brown			Sample ID:	
Stains:	Slight	✓ Flow L	ine 🗌 Oil	Rust Stains		Time Collected	
		✓ Corros	ion 🗌 Paint	Other		Total Chlorine (field):	<i>ppm</i>
Non-illicit:	None	☐ Natura	I Sheen 🔲 Nati	ural Suds/Foam		Free Chlorine (field):	<i>ppm</i>
Physical	Condition Ass	essment —				Total Copper (field):	<i>ppm</i>
Graffiti:	None					Ammonia (field): pH (field):	ppm units
Erosion:	None					Temperature (field):	units °F
Depositio	n: None	Depth (in):				Conductivity (field):	μS/cm
Damage:	None	☐ Displacement ☐ U	Jndercut	Crushed		Detergents:	μ3/cm mg/L
		= ' =	Cracks/Structural			Phenol:	mg/L

Outfall ID: 14-789 US1

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

14-789

Drainage Basin:

Johnson Ave

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

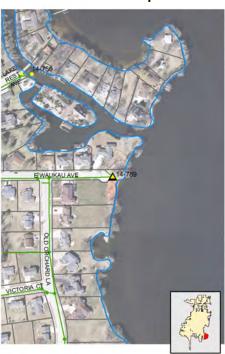
o20130731091346.JPG

Outfall Notes:

Upstream manhole located approx 21 ft NW of outfall 14-789. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 459,860 Latitude: 43.98103 Easting: 795,890 Longitude: -88.52701



Inspection	Date: 7/3	1/2013 10:05:52 AM	nspector: JCW	Inspection Ty	pe: Ongoing	Previous Rainfall (hr	s): 72+	
Flow Descr	iption: Sul	omerged, indeterminate	Notes:					
Submerged	: Partially	Depth (in): 5						And a second
Illicit Disch	arge Potent	ial: Unlikely	Field Fo	ollow-up	Office Follow-up			Ton
Floatables:	None	Petrol.	Sheen Suds	Sewage	Algae Othe	er Table		
Odor:	None	☐ Petrole	eum Musty	Sewage	Chlorine Othe	er 💮		
		U VOC/S	Solvent Fishy	Sulfur	Fragrant	1 48 38	07/31/	Y010 10:13
Turbidity:	None					1		3
Color:	None					o20130731	091356.JF	PG
Gross Solid	s: None	Litter	Debris	Sediment [Other	- Sampling Results		
Vegetation:	None	Inhibite	ed Excessive	е		Sample Location: F	Pool	
Benthic Gro	wth: Slight	☐ Green	✓ Brown			Sample ID: 1	30731-2	7
Stains:	None	☐ Flow L	ine 🗌 Oil	Rust Stains		Time Collected 1	0:05	
		Corros	ion 🗌 Paint	Other		Total Chlorine (field):	0	ppm
Non-illicit:	None	☐ Natura	I Sheen □ Natu	ral Suds/Foam		Free Chlorine (field):	0	ppm
	Condition As					Total Copper (field):	0	ppm
		sessineni				Ammonia (field):	0	ppm
Graffiti:	None					pH (field):	8.14	units
Erosion:	None	5 " " \				Temperature (field):	74	°F
Depositio		Depth (in):				Conductivity (field):	1020	μS/cm
Damage:	None	Displacement U	Jndercut 0	Crushed		Detergents:	0	mg/L
		Corrosion (Cracks/Structural D	amage		Phenol:		mg/L

Outfall ID: 14-996

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Glatz Creek

Dimensions

Diameter (in): 48 Height/Depth (in): Width (in):

Mapping Precison:

☐ Not Physically Located



Osh09_DSCN6563.JPG

Outfall Notes:

Hughes St storm sewer discharges to stream from west. Inside Oshkosh Corporation security fence.

County Coordinates: Latitude/Longitude:

43.98884 Northing: 462,711 Latitude: Easting: 791,156 Longitude: -88.54500





Previous Rainfall (hrs): 72+ Inspection Date: 7/31/2013 7:06:55 AM Inspector: **JCW** Inspection Type: Ongoing Flow Description: Submerged (not located) Notes: Inside locked security fence. Screened upstream at 14-996 US1. Outfall Submerged: Partially Depth (in): Illicit Discharge Potential: Unlikely Not Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Located Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Photo Not Available Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results Vegetation: None Inhibited Excessive Sample Location: Benthic Growth: None Green Brown Sample ID: None Stains: Rust Stains Time Collected Flow Line Oil Corrosion Paint Other Total Chlorine (field): ppm Free Chlorine (field): ppm Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment Ammonia (field): ppm Graffiti: None pH (field): units Erosion: None Temperature (field): ۰F Deposition: None Depth (in): Conductivity (field): μS/cm Damage: None Displacement Undercut Crushed Detergents: mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 14-996

Inspection Date: 9/4/	2009 Ir	spector: JCW	Inspection Type:	Initial	Previous Rainfall (hrs):	72+
Flow Description: Sub	omerged, indeterminate	Notes:				4
Submerged: Partially	Depth (in): 5					
Illicit Discharge Potenti	ial: Unlikely	☐ Field F	ollow-up Off	fice Follow-up		
Floatables:	Petrol.	Sheen Suds	Sewage Alg	gae 🗌 Other		
Odor:	Petrole			lorine Other		X
Turbidity:					34	00.04.2000 18:42
Color:					Osh09_DSCN6	564.JPG
Gross Solids:	Litter	Debris	Sediment C	Other	Sampling Results———	
Vegetation:	☐ Inhibite	ed Excessiv	/e		Sample Location:	
Benthic Growth: Slight	Green	✓ Brown			Sample ID:	
Stains:	☐ Flow L	ne 🗌 Oil	Rust Stains		Time Collected	
	☐ Corros	ion 🗌 Paint	Other		Total Chlorine (field):	<i>ppm</i>
Non-illicit: None	☐ Natura	Sheen 🗌 Natu	ıral Suds/Foam		Free Chlorine (field):	<i>ppm</i>
Physical Condition As	sessment —				Total Copper (field):	<i>ppm</i>
Graffiti: None					Ammonia (field):	<i>ppm</i>
Erosion: None					pH (field):	units
Deposition: None	Depth (in): 0				Temperature (field):	° <i>F</i>
1 '	_ ' ' '	_			Conductivity (field):	μS/cm
Damage: None			Crushed		Detergents:	mg/L
	Corrosion (Cracks/Structural [Damage		Phenol:	mg/L

Outfall ID: 14-996 US1

Major Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

14-996

Drainage Basin:

Glatz Creek

─ Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130731061448.JPG

Outfall Notes:

Upstream curb inlet located approx 139 ft NW of outfall 14-996. Intermediate area consists of open space and wooded area.

County Coordinates: Latitude/Longitude:

Northing: 462,797 Latitude: 43.98908 Easting: 791,046 Longitude: -88.54542



Inspection Da	ate: 7/31/2	2013 7:13:15	AM In	spector:	JCW	Inspect	on Type:	Ongoing	Previous Rainfall (nrs): 72	+
Flow Descrip	tion: Subn	nerged, inde	terminate	Notes:							TO WELL
Submerged:	Partially	Depth (in): 5							The state of the s	
Illicit Dischar	ge Potentia	l: Unlikely			Field Fo	ollow-up	O	ffice Follow-up			11/1/20
Floatables: N	one		Petrol.	Sheen [Suds	☐ Sewa	ge 🗌 Al	lgae 🗌 Oth	er	A	11/3
Odor: Fa	aint		Petrole	um 🗆	Musty	Sewa	ge □ C	hlorine Oth	er er		4/8/
			☐ VOC/S	olvent 🗸	_ ,	Sulfur		ragrant			
Turbidity: N	one									07/31	/2013 07:14
Color: N	one								02013073	31061500.	IPG
Gross Solids:	None		Litter		Debris	Sedim	ent 🗌	Other	— Sampling Results —		
Vegetation:	None		Inhibite	d 🗌	Excessiv	е			Sample Location:	Pool	
Benthic Growt	h: None		Green		Brown				Sample ID:	130731-	39
Stains:	Slight		✓ Flow Li	ne 🗌	Oil	Rust S	Stains		Time Collected	07:12	
	L		Corrosi	on 🗌	Paint	Other			Total Chlorine (field): C	ppm
Non-illicit:	None		☐ Natura	Sheen	☐ Natu	ral Suds/Fo	am		Free Chlorine (field)	: C	ppm
Physical Co	andition Acco	occmont							Total Copper (field)	: 0	ppm
'		5551110111							Ammonia (field):	0.5	ppm
Graffiti:	None								pH (field):	7.67	units
Erosion:	None	5 (1.)							Temperature (field)	71	°F
Deposition:		Depth (in):							Conductivity (field):	431	μS/cm
Damage:	None	Displac	ement 🗌 L	Indercut		Crushed			Detergents:	C	mg/L
		Corrosio	on 🗌 C	racks/St	ructural D	Damage			Phenol:	C	mg/L

Outfall ID: 14-996 US1

Inspection	Date: 9/4/2	2009	Inspecto	or: JCW	Inspect	on Type:	Initial	Previous Rainfall (hrs	s): 72+		
Flow Desci	ription: Mod	erate	Note	es:				CON CONTRACTOR	-	18 Ast	
Submerged	: None	Depth (in):	0							A STATE	
Illicit Disch	Illicit Discharge Potential: Unlikely										
Floatables:	None		Petrol. Sheer	n	Sewa	ge 🗌 Al	gae 🗌 Othe	er and an analysis	and the same	1	
Odor:	None		Petroleum	☐ Musty	Sewa	ge 🗌 Cl	hlorine 🗌 Othe	er Aller		1	
				Fishy	Sulfur	Fr	agrant		00.0	A - 2009 14:47	
Turbidity:	None								The state of the s	100	
Color:	None							Osh09_DS0	CN6567.J	PG	
Gross Solid	s: None		Litter [Debris	Sedim	ent 🗌 (Other	— Sampling Results——			
Vegetation:			Inhibited[Excessiv	/e			Sample Location: F	low		
Benthic Gro	wth:		Green [Brown				Sample ID: 0	90904-0	1	
Stains:			Flow Line	Oil	Rust 9	Stains		Time Collected 1	4:50		
			Corrosion [Paint	Other			Total Chlorine (field):	0	ppm	
Non-illicit:	None		Natural Shee	n Natu	ıral Suds/Fo	am		Free Chlorine (field):	0	ppm	
– Physical	Condition Ass	essment —						Total Copper (field):	0	ppm	
Graffiti:	None	coomen						Ammonia (field):		ppm	
								pH (field):	7.63	units	
Erosion:	None	D (1)						Temperature (field):	82	°F	
Deposition		Depth (in): 0)					Conductivity (field):		μS/cm	
Damage:	None	Displacem	ient 🗌 Underc	ut 🗌	Crushed			Detergents:	0	mg/L	
		Corrosion	Cracks	/Structural [Damage			Phenol:	0	mg/L	

Outfall ID: 14-999

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Glatz Creek

Dimensions

Diameter (in): Height/Depth (in): 48

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130731063028.JPG

Outfall Notes:

Hughes St storm sewer discharges to stream from north.

County Coordinates: Latitude/Longitude:

462,824 43.98915 Northing: Latitude: Easting: 791,411 Longitude: -88.54403

Location Map



Inspection Date: 7/31/2013 7:27:16 AM Inspector: **JCW** Inspection Type: Ongoing Previous Rainfall (hrs): Flow Description: Trickle Notes: End section displaced 4". Submerged: None Depth (in): Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130731063036.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results None Inhibited Vegetation: Excessive Sample Location: Flow Benthic Growth: None Green Brown Sample ID: 130731-78 ✓ Flow Line Stains: Moderate Rust Stains Time Collected 07:25 Oil Corrosion Paint Other Total Chlorine (field): 0 ppm Free Chlorine (field): ppm Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment Ammonia (field): ppm Graffiti: None pH (field): 8.05 units Erosion: None Temperature (field): 71 ۰F Deposition: None Depth (in): Conductivity (field): 1865 μS/cm Damage: Minor ✓ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Phenol: Corrosion Cracks/Structural Damage 0 mg/L

Outfall ID: 14-999

Inspection	Date: 9/4/2009	Inspector: JCW Inspe	ection Type: Initial	Previous Rainfall (hrs):	72+
Flow Descr	ription: Submerged, slig	Notes: End section of p	pipe separated.		
Submerged	: Partially Depth (ir	i): 1			
Illicit Disch	arge Potential: Unlikely	Field Follow-up	Office Follow-up		
Floatables:	None	Petrol. Sheen Suds Sev	vage Algae Other		A STATE
Odor:	None	Petroleum Musty Sev	wage Chlorine Other		
		☐ VOC/Solvent ☐ Fishy ☐ Sul	fur 🗌 Fragrant		an an anar 2019
Turbidity:	None			C TO THE PARTY OF	02.00,2004.14.33
Color:	None			Osh09_DSCN6	6570.JPG
Gross Solid	s: None	Litter Debris Sec	diment Other	Sampling Results	
Vegetation:		☐ Inhibited ☐ Excessive		Sample Location: Poo	ı
Benthic Gro	wth: Slight	☐ Green ✓ Brown		Sample ID: 090	904-22
Stains:		✓ Flow Line ☐ Oil ☐ Rus	st Stains	Time Collected 15:1	15
		Corrosion Paint Oth	er	Total Chlorine (field):	0 ppm
Non-illicit:	None	☐ Natural Sheen ☐ Natural Suds/	Foam	Free Chlorine (field):	0 ppm
- Physical	Condition Assessment —			Total Copper (field):	0 ppm
'				Ammonia (field):	ppm
Graffiti:	None			pH (field):	7.82 units
Erosion:	None			Temperature (field):	73 ° <i>F</i>
Depositio	. , ,	U		Conductivity (field):	μS/cm
Damage:	Moderate 🗌 Displac	ement Undercut Crushed		Detergents:	0 <i>mg/L</i>
	Corros	on Cracks/Structural Damage		Phenol:	0 <i>mg/L</i>

Outfall ID: 14-1007

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Elliptical

Material:

RCP

City ID: N/A

Drainage Basin:

Johnson Ave

Dimensions

Diameter (in):

Height/Depth (in): 29

AAC alula (Carl)

Width (in): 45

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130717104104.JPG

Outfall Notes:

Oregon St storm sewer discharges to east CTH I ditch.

County Coordinates: Latitude/Longitude:

Northing: 457,009 Latitude: 43.97320 Easting: 791,734 Longitude: -88.54279

Location Map



Inspection Date: Inspector: Inspection Type: Ongoing 7/17/2013 11:41:00 AM **JCW** Previous Rainfall (hrs): 72+ Flow Description: None Notes: Apron sediment wet, but no collectable flow at time of inspection. Submerged: None Depth (in): Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130717104110.JPG Color: None ✓ Litter Gross Solids: Slight **✓** Debris Sediment Other Sampling Results Inhibited Vegetation: None Excessive Sample Location: Benthic Growth: Slight **✓** Green Brown Sample ID: ✓ Flow Line Stains: Slight Rust Stains Time Collected Oil Corrosion Paint Other Total Chlorine (field): ppm Free Chlorine (field): ppm Non-illicit: None □ Natural Sheen □ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment ppm Ammonia (field): Graffiti: None pH (field): units Erosion: None Temperature (field): ۰F Minor Deposition: Depth (in): 5 Conductivity (field): μS/cm Damage: None ☐ Displacement ☐ Undercut Crushed Detergents: mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 14-1007

Inspection Date	e: 9/4/2009	Inspector: JCW	Inspection Type: Initial	Previous Rainfall (hrs):	72+
Flow Descriptio	on: None	Notes: Garbag	ge inside pipe.	Mary Control	
Submerged: No	one Depth (ir	1): 0		1 Belle	
Illicit Discharge	Potential: Unlikely	☐ Field Fo	ollow-up Office Follow-up		
Floatables:		Petrol. Sheen Suds	Sewage Algae Othe	er O	
Odor:		Petroleum Musty VOC/Solvent Fishy	Sewage Chlorine Othe	er	
Turbidity:					08 01 7002 11 10
Color:				Osh09_DSCN6	525.JPG
Gross Solids:		Litter Debris	Sediment Other	- Sampling Results	
Vegetation:		☐ Inhibited ☐ Excessive	е	Sample Location:	
Benthic Growth:		Green Brown		Sample ID:	
Stains:		Flow Line Oil	Rust Stains	Time Collected	
		☐ Corrosion ☐ Paint	Other	Total Chlorine (field):	ppm
Non-illicit:	None	☐ Natural Sheen ☐ Natural	ral Suds/Foam	Free Chlorine (field):	ppm
Physical Cond	dition Assessment —	<u> </u>		Total Copper (field):	<i>ppm</i>
	None			Ammonia (field):	<i>ppm</i>
	None			pH (field):	units
		. 1		Temperature (field):	° <i>F</i>
Deposition:	Depth (in):			Conductivity (field):	μS/cm
Damage:	None Displac	ement Undercut 0	Crushed	Detergents:	mg/L
	Corrosi	on Cracks/Structural D	Damage	Phenol:	mg/L

Outfall ID: 14-1130

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Glatz Creek

Dimensions

Diameter (in): Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130731072850.JPG

Outfall Notes:

Main St storm sewer discharges to stream from south.

County Coordinates: Latitude/Longitude:

Northing: 463,341 43.99057 Latitude: Easting: 793,433 Longitude: -88.53635



Inspection Da	ate: 7/31/2	2013 8:22:46 AM	Inspector:	JCW	Inspection	ı Type: (Ongoing	Previous Rainfall (hrs):	72+	
Flow Descrip Submerged:		Depth (in):	Notes:	Pipe dry	at time of in	spection.				
Illicit Dischar	rge Potential	: Unlikely		Field Fo	llow-up	Offic	ce Follow-up		1	
Floatables: N	lone	Pe	etrol. Sheen	Suds	Sewage	Alga	ae 🗌 Othe	r	V A	
Odor: N	lone		etroleum [Musty	Sewage		orine Othe	r	\mathcal{H}	
	lone		OC/Solvent	Fishy	Sulfur	∐ Fraç	grant	020130731072	0050	P.C.
Color: N	lone							020130731072	.000.01	-0
Gross Solids:	Slight	✓ Lit	tter	Debris	Sedimer	nt 🗌 Ot	ther	- Sampling Results		
Vegetation:	None	In!	hibited	Excessive	9			Sample Location:		
Benthic Growt	th: None	Gı	reen	Brown				Sample ID:		
Stains:	Slight	✓ Flo	ow Line	Oil	Rust Sta	ins		Time Collected		
		□ Co	orrosion	Paint	Other			Total Chlorine (field):		ррт
Non-illicit:	None	□ Na	atural Sheen	☐ Natur	al Suds/Foan	n		Free Chlorine (field):		ppm
Physical Co	ondition Asse	ssment —						Total Copper (field):		ppm
Graffiti:	None	comon						Ammonia (field):		ppm
Erosion:	None							pH (field):		units
		Donth (in)						Temperature (field):		°F
Deposition:		Depth (in):	_	_				Conductivity (field):		μS/cm
Damage:	None	Displacement	=		Crushed			Detergents:		mg/L
		Corrosion	Cracks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 14-1133

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Glatz Creek

Dimensions

Diameter (in): Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130731071258.JPG

Outfall Notes:

Main St storm sewer discharges to stream from south.

County Coordinates: Latitude/Longitude:

43.99044 Northing: 463,294 Latitude: Easting: 793,345 Longitude: -88.53668



Inspection I	Date: 7/31/2	2013 8:09:04	IAM In	spector:	JCW	Inspecti	on Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri	iption: None None	Depth (in	n):	Notes:	Flowline of inspe		o collecta	ble flow at time	The state of the s	3	
Illicit Discha	arge Potentia	l: Unlikely			Field Fo	ollow-up	Of	ffice Follow-up		-	**
Floatables:	None		Petrol.	Sheen	Suds	Sewag	ge 🗌 Al	gae 🗌 Oth	er San San San San San San San San San San 	4	
Odor:	None		Petrole	um [Musty	Sewag	ge 🗌 Ch	hlorine Oth	er Aller	1	
,			UVOC/S	olvent [Fishy	Sulfur	Fr	agrant			WYW
Turbidity:	None										
Color:	None								o20130731071	304.JF	PG
Gross Solids	s: None		Litter		Debris	Sedim	ent 🗌 (Other	Sampling Results		
Vegetation:	None		Inhibite	ed 🗌	Excessive	Э			Sample Location:		
Benthic Grov	wth: Slight		✓ Green		Brown				Sample ID:		
Stains:	Slight		✓ Flow Li	ne 🗌	Oil	Rust S	Stains		Time Collected		
	L		Corros	ion 🗌	Paint	Other			Total Chlorine (field):		ррт
Non-illicit:	None		☐ Natura	Sheen	☐ Natu	ral Suds/Fo	am		Free Chlorine (field):		ррт
– Physical (Condition Asse	essment —							Total Copper (field):		ppm
Graffiti:		33mem							Ammonia (field):		ppm
	None								pH (field):		units
Erosion:	None	Describe (Sec)							Temperature (field):		°F
Deposition		Depth (in):	•						Conductivity (field):		μS/cm
Damage:	None	Displac		Indercut		Crushed			Detergents:		mg/L
		Corrosi	on 🗌 C	cracks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 14-1136

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in): 18
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130731075420.JPG

Outfall Notes:

Fond du Lac Rd curb inlets discharge to stream from north. Pipe diameter approximate due to deposition.

County Coordinates: Latitude/Longitude:

Northing: 462,511 Latitude: 43.98830 Easting: 793,684 Longitude: -88.53539



Inspection	Date: 7/31/2	013 8:47:06	AM In	spector:	JCW	Inspecti	on Type:	Ongoing		Previous Rainfall (hrs):	72+	
Flow Descr	iption: None			Notes:	Signific apron.	ant deposit	on and v	egetation on			4	
Submerged:	None	Depth (in):		артот.							
Illicit Discha	arge Potential	: Unlikely			Field Fo	ollow-up	_ O	ffice Follow-up)			
Floatables:	None		Petrol.	Sheen	Suds	Sewag	ge 🗌 A	lgae 🗌 Ot	her			NA SA
Odor:	None		Petrole	um [Musty	Sewag	ge 🗌 C	hlorine Ot	her	AFA L		
			UOC/S	olvent [Fishy	Sulfur	☐ Fi	ragrant			V.	
Turbidity:	None										16	
Color:	None									o20130731075	424.JI	PG
Gross Solids	s: Moderate		✓ Litter		Debris	Sedim	ent 🗌	Other	_5	Sampling Results———		
Vegetation:	None		Inhibite	d 🗌	Excessive	Э				Sample Location:		
Benthic Grov	wth: Moderate		✓ Green		Brown					Sample ID:		
Stains:	Moderate		✓ Flow Li	ne 🗌	Oil	Rust S	Stains			Time Collected		
			Corrosi	on 🗌	Paint	Other				Total Chlorine (field):		ppm
Non-illicit:	None		☐ Natural	Sheen	Natu	ral Suds/Fo	am			Free Chlorine (field):		ppm
– Physical (Condition Asses	ssment —								Total Copper (field):		ppm
Graffiti:	None	bornom								Ammonia (field):		ppm
Erosion:	None									pH (field):		units
		Dantle (in).	10							Temperature (field):		°F
Deposition		Depth (in):								Conductivity (field):		μS/cm
Damage:	None	Displac	_	Indercut		Crushed				Detergents:		mg/L
		Corrosi	on 🗌 C	racks/St	tructural D	amage				Phenol:		mg/L

Outfall ID: 14-1138

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in): 21
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130731074334.JPG

Outfall Notes:

Fond du Lac Rd curb inlet discharges to stream from south.

County Coordinates: Latitude/Longitude:

Northing: 462,499 Latitude: 43.98826 Easting: 793,766 Longitude: -88.53508



Inspection Date	e: 7/31/2013 8:40:28	3 AM Inspector:	JCW Inspec	ction Type: Ong	going	Previous Rainfall (hrs):	72+	
Flow Description Submerged: N		Notes:	Apron sediment at time of inspec		ctable flow	12	la de la constante de la const	
Illicit Discharge	e Potential: Unlikely		Field Follow-up	Office F	ollow-up			
Floatables: Nor	ne	Petrol. Sheen	Suds Sew	age 🗌 Algae	Other			
Odor: Nor	ne	Petroleum	Musty Sew	age Chlorin	e Other			
		☐ VOC/Solvent ☐	Fishy Sulf	ur 🗌 Fragran	nt			
Turbidity: Nor	ne							3 19943
Color: Nor	ne					0201307310743	342.JF	PG
Gross Solids:	None	Litter	Debris 🗌 Sedi	ment Other	·	Sampling Results———		
Vegetation:	None	Inhibited	Excessive			Sample Location:		
Benthic Growth:	Slight	✓ Green	Brown			Sample ID:		
Stains:	Moderate	Flow Line	Oil Rust	Stains		Time Collected		
		Corrosion	Paint Othe	er		Total Chlorine (field):		ppm
Non-illicit:	None	Natural Sheen	☐ Natural Suds/F	oam		Free Chlorine (field):		ppm
– Physical Con	ndition Assessment —			7		Total Copper (field):		ppm
Graffiti:	None					Ammonia (field):		ppm
Erosion:	None					pH (field):		units
Deposition:	Minor Depth (in):	. 0				Temperature (field):		°F
	Name —					Conductivity (field):		μS/cm
Damage:	None Displac		Crushed			Detergents:		mg/L
	Corrosi	on Cracks/Str	ructural Damage			Phenol:		mg/L

Outfall ID: 14-1139

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in): 42 Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

✓ Not Physically Located

o20130731080446.JPG

Outfall Notes:

Fond du Lac Rd storm sewer discharges to stream from south. Outfall information from MS4 map - outfall covered under brush.

County Coordinates:

Latitude/Longitude:

Northing: 462,464 Latitude: 43.98817 Easting: 793,699 Longitude: -88.53534



Inspection	Date:	7/31/2013 9:01:25	AM In	spector:	JCW	Inspection	Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	-	Submerged (not Depth (in		Notes:		under brush. m at 14-1139		screened	Out	'al	
Illicit Disch	arge Pot	tential: Unlikely	,		Field Fo	ollow-up	Of	fice Follow-up	No.	†	
Floatables:	None		Petrol.	Sheen 🗌	Suds	Sewage	Alg	gae 🗌 Othe	r	1	
Odor:	None		Petrole	um 🗌	Musty	Sewage	Ch	nlorine Othe	r 6 L003	te	
			UVOC/S	olvent [Fishy	Sulfur	Fra	agrant		*	The second
Turbidity:	None										1013 08308
Color:	None								o20130731080	450.JF	°G
Gross Solids	s: Nor	16	Litter		Debris	Sedimer	nt 🗌 C	Other	- Sampling Results-		
Vegetation:	Non	ne	Inhibite	d 🗌	Excessive	Э			Sample Location:		
Benthic Gro	wth: Non	ne	Green		Brown				Sample ID:		
Stains:	Non	ie	☐ Flow Li	ne 🗌	Oil	Rust Sta	ins		Time Collected		
			Corrosi	on 🗌	Paint	Other			Total Chlorine (field):		ррт
Non-illicit:	Non	ne	☐ Natural	Sheen	☐ Natui	ral Suds/Foar	n		Free Chlorine (field):		ррт
– Physical (Condition	n Assessment —							Total Copper (field):		ppm
Graffiti:	Nor								Ammonia (field):		ppm
Erosion:	Nor	_							pH (field):		units
									Temperature (field):		°F
Deposition		. –			_				Conductivity (field):		μS/cm
Damage:	Non	ne Displac	_	Indercut		Crushed			Detergents:		mg/L
		Corrosi	on 🗌 C	racks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 14-1139 US1

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

14-1139

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130731081054.JPG

Outfall Notes:

Upstream manhole located approx 71 ft SSE of outfall 14-1139. Intermediate area consists of residential property and wooded area.

County Coordinates: Latitude/Longitude:

Northing: 462,404 Latitude: 43.98800 Easting: 793,736 Longitude: -88.53520



Inspection	Date: 7/3	31/2013 9:07:56	AM In	spector: Jo	CW Ir	nspection	Туре:	Ongoing	Previous Rainfall (hrs): 72-	+
Flow Descr	iption: Su	ubmerged, inde	terminate	Notes:					757/10		
Submerged:	Partially	Depth (in): 32								
Illicit Disch	arge Poten	itial: Unlikely		Fi	eld Follow-	-up	Offi	ice Follow-up			
Floatables:	None		Petrol.	Sheen 🗌 Sı	uds 🗌	Sewage	Alg	ae 🗌 Oth	er Aller		
Odor:	None		Petrole	um 🗌 M	usty	Sewage	Chl	orine Oth	er		A PLAN
			UOC/S	olvent 🗌 Fi	shy	Sulfur	Fra	grant		07/31	/2013 09:11
Turbidity:	None										
Color:	None								0201307	31081104.J	PG
Gross Solids	s: None		Litter	☐ Deb	oris 🗌	Sedimen	it 🗌 O	ther	Sampling Results		
Vegetation:	None		Inhibite	d 🗌 Exc	essive				Sample Location:	Pool	
Benthic Gro	wth: None		Green	Bro	wn				Sample ID:	130731-5	54
Stains:	None		☐ Flow Li	ne 🗌 Oil		Rust Sta	ins		Time Collected	09:07	
			Corrosi	on 🗌 Paiı	nt	Other			Total Chlorine (field	l): 0	ppm
Non-illicit:	None		☐ Natural	Sheen	Natural St	uds/Foam	า		Free Chlorine (field): 0	ppm
— Physical I	Condition A	ssessment —							Total Copper (field)	: 0	ppm
		ssessmem							Ammonia (field):	0	ppm
Graffiti:	None								pH (field):	7.63	units
Erosion:	None	5							Temperature (field)	: 72	°F
Deposition		Depth (in):							Conductivity (field):	1121	μS/cm
Damage:	None	Displace	ement 🗌 U	ndercut	Crush	ned			Detergents:	0	mg/L
		Corrosio	on 🗌 C	racks/Struct	ural Dama	ge			Phenol:	0	mg/L

Outfall ID: 14-1218

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

Shape:

Pipe - Circular

Material:

HDPE

City ID: N/A

Drainage Basin:

Johnson Ave

- Dimensions

Diameter (in): 12 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130717095626.JPG

Outfall Notes:

Ripple Ave curb inlets discharge to swale on south side of road.

County Coordinates: Latitude/Longitude:

Northing: 454,438 Latitude: 43.96615 Easting: 791,509 Longitude: -88.54364



Inspection	Date: 7/17/2	2013 10:50:0	3 AM In	spector:	JCW	Inspect	ion Type:	Ongo	ing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	iption: None	Depth (in	n).	Notes:		olocked wit of inspecti		grass.	Pipe dry			
ŭ												
IIIICIT DISCIN	arge Potentia	l: Unlikely		L	Field Fo	ollow-up	<u></u> □ 0	office Fo	llow-up			
Floatables:	None		Petrol.	Sheen	Suds	Sewa	ge 🗌 A	lgae	Other		17.	150
Odor:	None		Petrole	eum [Musty	Sewa	ge 🗌 C	hlorine	Other			
	T		☐ VOC/S	olvent [Fishy	Sulfu	F	ragrant				
Turbidity:	None									020130717095	CO 4 11	
Color:	None									020130717095	634.JF	-G
Gross Solids	s: None		Litter		Debris	Sedin	nent 🗌	Other	Г	Sampling Results———		
Vegetation:	None		Inhibite	ed 🗌	Excessive	Э				Sample Location:		
Benthic Gro	wth: None		Green		Brown					Sample ID:		
Stains:	Slight		✓ Flow L	ne 🗌	Oil	Rust	Stains			Time Collected		
			Corros	ion 🗌	Paint	Other				Total Chlorine (field):		ррт
Non-illicit:	None		☐ Natura	Sheen	☐ Natur	ral Suds/Fo	am			Free Chlorine (field):		ррт
– Physical I	Condition Asse	seemant —								Total Copper (field):		ppm
Graffiti:	None	33mem								Ammonia (field):		ppm
	None									pH (field):		units
Erosion:		Describe (Sec)	40							Temperature (field):		°F
Deposition		Depth (in):	12							Conductivity (field):		μS/cm
Damage:	None	Displac	ement 🗌 L	Indercut		Crushed				Detergents:		mg/L
		Corrosi	on 🗌 C	Cracks/St	ructural D	amage				Phenol:		mg/L

Non-illicit:

Graffiti:

Erosion:

Damage:

Deposition:

None

Physical Condition Assessment

None

None

None

None

Depth (in):

Corrosion

Outfall ID: 14-1220 Minor Outfall **Location Map** Structure Type: Closed Pipe Outfall **Discharge Location:** Adjacent Municipality Shape: Pipe - Circular Material: **HDPE** 14-1220 14-1218 City ID: Photo Not Available N/A Drainage Basin: Johnson Ave **Outfall Notes: Dimensions** Catchbasins from south ditch of Ripple Ave discharge to swale on south side of road. Diameter (in): 12 Height/Depth (in): Width (in): **Mapping Precison: County Coordinates:** Latitude/Longitude: Mapping GPS 43.96617 Northing: 454,446 Latitude: Easting: 791,356 Longitude: -88.54422 ☐ Not Physically Located **Inspection Date:** 7/17/2013 10:54:12 AM Inspector: **JCW** Inspection Type: Ongoing Previous Rainfall (hrs): Flow Description: None Notes: Pipe dry at time of inspection. Submerged: None Depth (in): Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Photo Not Available Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results Vegetation: None Inhibited Excessive Sample Location: Benthic Growth: None Green Brown Sample ID: Stains: None Rust Stains Time Collected Flow Line Oil

Crushed

Other

Total Chlorine (field):

Free Chlorine (field):

Total Copper (field):

Temperature (field):

Conductivity (field):

Ammonia (field):

pH (field):

Detergents:

Phenol:

ppm

ppm

ppm

ppm

units

μS/cm

mg/L

mg/L

۰F

Corrosion

Displacement Undercut

Paint

□ Natural Sheen □ Natural Suds/Foam

Cracks/Structural Damage

Outfall ID: 14-1222

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Downstream Outfall

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Drainage Basin:

Johnson Ave

- Dimensions

Diameter (in): 12 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130717101432.JPG

Outfall Notes:

Ripple Ave storm sewer discharges to swale from east

County Coordinates: Latitude/Longitude:

Northing: 454,512 Latitude: 43.96635 Easting: 790,640 Longitude: -88.54694



Inspection	Date: 7/17/	2013 11:09:19 AM	Inspector: JCW	Inspection Typ	e: Ongoing	Previous Rainfall (hrs):	72+
Flow Descr	iption: None	•	Notes: Pipe	dry at time of inspec	tion.		
Submerged:	None	Depth (in):					
Illicit Discha	arge Potentia	l: Unlikely	Field	Follow-up	Office Follow-up		
Floatables:	None	☐ Pet	trol. Sheen 🗌 Suds	Sewage	Algae Othe		V/X
Odor:	None	☐ Pet	troleum Musty	/ Sewage	Chlorine Other		
		□ vo	C/Solvent Fishy	Sulfur	Fragrant		
Turbidity:	None						
Color:	None					o20130717101	438.JPG
Gross Solids	s: Slight	✓ Litt	er Debris	Sediment	Other	-Sampling Results	
Vegetation:	None	_ Inh	ibited Excess	ive		Sample Location:	
Benthic Grov	wth: None	Gre	een 🗌 Brown			Sample ID:	
Stains:	None		w Line 🔲 Oil	Rust Stains		Time Collected	
		Co	rrosion 🗌 Paint	Other		Total Chlorine (field):	ppm
Non-illicit:	None	□ Nat	tural Sheen	tural Suds/Foam		Free Chlorine (field):	ppm
	Condition Ass					Total Copper (field):	<i>ppm</i>
		essinent				Ammonia (field):	<i>ppm</i>
Graffiti:	None					pH (field):	units
Erosion:	None	5 4 4 > 6				Temperature (field):	° <i>F</i>
Deposition		Depth (in): 2				Conductivity (field):	μS/cm
Damage:	None	Displacement [Undercut	Crushed		Detergents:	mg/L
		Corrosion [Cracks/Structural	Damage		Phenol:	mg/L

Outfall ID: 14-1227

Minor Outfall

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Drainage Basin:

Johnson Ave

Dimensions

Diameter (in):

Height/Depth (in): 24

rioigna Bopar (iii).

Width (in): 3

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130717100904.JPG

Outfall Notes:

Ripple Ave storms sewer discharges to swale from west.

County Coordinates: Latitude/Longitude:

Northing: 454,512 Latitude: 43.96635 Easting: 790,620 Longitude: -88.54702



Inspection	Date: 7/17/	2013 11:05:5	1 AM li	nspector:	JCW	Inspect	on Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri Submerged:	iption: None	Depth (in):	Notes:	Pipe dr	y at time of	inspection	n.		No.	
Illicit Discha	arge Potentia	I: Unlikely			Field Fo	ollow-up	Of	ffice Follow-up			
Floatables:	None		Petrol.	Sheen	Suds	Sewa	ge 🗌 Al	gae Othe	er A	W.	
Odor:	None		Petrole	eum [Musty	Sewag	ge 🗌 Ch	hlorine Othe	er 💮		
	L		UOC/S	Solvent [Fishy	Sulfur	☐ Fr	agrant	16 SIN		
Turbidity:	None										
Color:	None								o20130717100	914.JF	PG
Gross Solids	s: Slight		✓ Litter		Debris	Sedim	ent 🗌 (Other	- Sampling Results		
Vegetation:	None		Inhibite	ed 🗌	Excessiv	е			Sample Location:		
Benthic Grov	wth: Slight		✓ Green		Brown				Sample ID:		
Stains:	Slight		✓ Flow L	ine 🗌	Oil	Rust S	Stains		Time Collected		
			☐ Corros	ion 🗌	Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None		□ Natura	l Sheen	☐ Natu	ral Suds/Fo	am		Free Chlorine (field):		ppm
	Condition Asse	occmont —							Total Copper (field):		ppm
		SSIIICIII							Ammonia (field):		ppm
Graffiti:	None								pH (field):		units
Erosion:	None	5							Temperature (field):		°F
Deposition		Depth (in):							Conductivity (field):		μS/cm
Damage:	None	Displac	ement 🗌 l	Jndercut		Crushed			Detergents:		mg/L
		Corrosi	on 🗌 (Cracks/S	tructural D	Damage			Phenol:		mg/L

Outfall ID: 14-1253

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Drainage Basin:

Johnson Ave

Dimensions

Diameter (in): 30 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730120714.JPG

Outfall Notes:

Lilac Ln storm sewer discharges to NW corner of dry pond.

County Coordinates: Latitude/Longitude:

458,230 43.97656 Northing: Latitude: Easting: 794,576 Longitude: -88.53200

Location Map



Inspection Date: 7/30/2013 1:00:47 PM Inspector: **JCW** Inspection Type: Ongoing Previous Rainfall (hrs): 72+ Flow Description: None Notes: No flow leaving apron - no sample collected. Submerged: None Depth (in): Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130730120720.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results None Inhibited Vegetation: Excessive Sample Location: Benthic Growth: Slight **✓** Green Brown Sample ID: ✓ Flow Line Stains: Slight Rust Stains Time Collected Oil Corrosion Paint Other Total Chlorine (field): ppm Free Chlorine (field): ppm Non-illicit: Slight ✓ Natural Sheen Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment ppm Ammonia (field): Graffiti: None pH (field): units Erosion: None Temperature (field): ۰F Deposition: None Depth (in): Conductivity (field): μS/cm Damage: None Displacement Undercut Crushed Detergents: mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 14-1253b

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Drainage Basin:

Johnson Ave

- Dimensions

Diameter (in): 18 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130730121336.JPG

Outfall Notes:

Detention basin discharges to stream from north via grassy area.

 ${\bf County\ Coordinates:} \qquad {\bf Latitude/Longitude:}$

Northing: 458,182 Latitude: 43.97642 Easting: 794,894 Longitude: -88.53079



Inspection I	Date: 7/30/	2013 1:07:34 PM	Inspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descri	iption: None	•	Notes: Pipe of	dry at time of inspection	on.		的。 中国的人主义和
Submerged:	None	Depth (in):					
Illicit Discha	arge Potentia	I: Unlikely	Field I	Follow-up 🗌 O	ffice Follow-up		1
Floatables:	None	☐ Petro	ol. Sheen 🗌 Suds	Sewage A	lgae 🗌 Other		4
Odor:	None	☐ Petro	oleum Musty	Sewage C	hlorine Other		学公公司
,		U VOC	/Solvent Fishy	Sulfur F	ragrant		
Turbidity:	None						A A
Color:	None					o201307301213	342.JPG
Gross Solids	: None	Litter	Debris	Sediment	Other	Sampling Results	
Vegetation:	None	Inhib	ited Excessi	ve		Sample Location:	
Benthic Grov	wth: None	☐ Gree	n 🗌 Brown			Sample ID:	
Stains:	Slight	✓ Flow	Line Oil	Rust Stains		Time Collected	
		Corro	osion Paint	Other		Total Chlorine (field):	<i>ppm</i>
Non-illicit:	None	□ Natu	ral Sheen	ural Suds/Foam		Free Chlorine (field):	ppm
			iai eneen i vai	arar Gado/i Gairi		Total Copper (field):	ppm
	Condition Asse	essment ———				Ammonia (field):	<i>ppm</i>
Graffiti:	None					pH (field):	units
Erosion:	None					Temperature (field):	° <i>F</i>
Deposition		Depth (in):				Conductivity (field):	μS/cm
Damage:	None	Displacement	Undercut	Crushed		Detergents:	mg/L
		Corrosion	Cracks/Structural	Damage		Phenol:	mg/L

Outfall ID: 14-1387

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Drainage Basin:

Johnson Ave

- Dimensions

Diameter (in): 36 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130730122354.JPG

Outfall Notes:

Cherry Park Ct storm sewer discharges to stream from south.

County Coordinates: Latitude/Longitude:

Northing: 458,039 Latitude: 43.97603 Easting: 795,119 Longitude: -88.52994



Inspection Date	e: 7/30/2013 1:20:10	PM Inspector:	JCW Inspec	ction Type: C	Ongoing	Previous Rainfall (hrs):	72+	
Flow Description Submerged: P	on: Submerged, inde		Outfall partially s screened upstream					1//
Illicit Discharge	e Potential: Unlikely		Field Follow-up	Offic	ce Follow-up		1	A L
Floatables: No	ne	Petrol. Sheen	Suds Sew	age 🗌 Alga	ae Other		30	
Odor: No	ne	Petroleum	Musty Sew	age 🗌 Chlo	orine Other	18		
		☐ VOC/Solvent ☐	Fishy Sulfi	ur 🗌 Frag	grant	A CONTRACTOR OF THE PERSON OF		1
Turbidity: No	ne							
Color: No	ne					0201307301224	110.JF	PG
Gross Solids:	Slight	Litter [Debris Sedi	ment Ot	ther	Sampling Results		
Vegetation:	None	☐ Inhibited ☐ E	Excessive			Sample Location:		
Benthic Growth:	: Moderate	✓ Green ☐ E	Brown			Sample ID:		
Stains:	Slight	✓ Flow Line □ 0	Oil Rust	Stains		Time Collected		
		Corrosion F	Paint Othe	er		Total Chlorine (field):		ppm
Non-illicit:	None	Natural Sheen	Natural Suds/F	oam		Free Chlorine (field):		ppm
	ndition Assessment —			٦		Total Copper (field):		ppm
Graffiti:	None					Ammonia (field):		ppm
Erosion:	None					pH (field):		units
Deposition:	None Depth (in):					Temperature (field):		°F
Deposition. Damage:	Name —					Conductivity (field):		μS/cm
Damaye.		=	Crushed			Detergents:		mg/L
	Corrosi	on Cracks/Str	uctural Damage			Phenol:		mg/L

Outfall ID: 14-1387 US1

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

14-1388

Drainage Basin:

Johnson Ave

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130730122942.JPG

Outfall Notes:

Upstream manhole located approx 257 ft S of outfall 14-1387. Intermediate area consists of street right-of-way and residential property.

County Coordinates: Latitude/Longitude:

Northing: 457,786 Latitude: 43.97534 Easting: 795,145 Longitude: -88.52984



Inspection Date	e: 7/30/2013 1:26:33	3 PM Inspector:	JCW Inspe	ction Type: Ong	going	Previous Rainfall (hrs):	72+	
Flow Description Submerged: No		Notes:	Flowline damp be of inspection. An					
Illicit Discharge	e Potential: Unlikely	'	Field Follow-up	Office F	Follow-up			
Floatables: Nor	ne	Petrol. Sheen	Suds Sew	age 🗌 Algae	Other			
Odor: Nor	ne	Petroleum	Musty Sew	• =				
Turbidity: Nor		UVOC/Solvent L	」Fishy Sulfi	ur 🗌 Fragran	nt	0201307301229	952.JP	913 13:29 PG
Color: Nor								-
Gross Solids:	None	Litter L	Debris Sed	iment Other	Γ'	Sampling Results———		
Vegetation:	None	Inhibited	Excessive			Sample Location:		
Benthic Growth:	None	Green	Brown			Sample ID:		
Stains:	Moderate	Flow Line	Oil Rus	t Stains		Time Collected		
		Corrosion	Paint Othe	er		Total Chlorine (field):		ppm
Non-illicit:	None	Natural Sheen	Natural Suds/F	-oam		Free Chlorine (field):		ppm
– Physical Cond	dition Assessment —			¬		Total Copper (field):		ppm
						Ammonia (field):		ppm
Graffiti:	None					pH (field):		units
	None					Temperature (field):		°F
	None Depth (in):					Conductivity (field):		μS/cm
Damage:	None Displac	cement Undercut	Crushed			Detergents:		mg/L
	☐ Corrosi	ion Cracks/Str	ructural Damage			Phenol:		mg/L

Outfall ID: 14-1515

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Drainage Basin:

Gallups/Merritts Creek

- Dimensions

Diameter (in): 24
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130717124108.JPG

Outfall Notes:

Waukau Ave storm sewer discharges to railroad right-of-way from west.

County Coordinates: Latitude/Longitude:

Northing: 459,923 Latitude: 43.98120 Easting: 792,532 Longitude: -88.53977



Inspection [Date: 7/17/2	013 1:35:29	PM In:	spector:	JCW	Inspect	ion Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri Submerged:	ption: None None	Depth (in):	Notes:		y at time of on of pipe.	inspectio	n. Significant		To do	
Illicit Discha	arge Potential	: Unlikely			Field Fo	ollow-up	O	ffice Follow-up		1	
Floatables:	None		Petrol.	Sheen [Suds	☐ Sewa	ge 🗌 Al	gae Oth	er		-1
Odor:	None		Petrole	um [Musty	Sewa	ge 🗌 Cl	hlorine Oth	er er	WS.	
-			UOC/S	olvent [Fishy	Sulfui	⊤ ∏ Fr	agrant		02/12/	1013 33 44
Turbidity:	None								No. of the second		20/
Color:	None								o2013071712	4114.JI	PG
Gross Solids	: Slight		✓ Litter		Debris	Sedin	nent 🗌	Other	Sampling Results		
Vegetation:	None		Inhibite	d 🗌	Excessive	е			Sample Location:		
Benthic Grov	vth: None		Green		Brown				Sample ID:		
Stains:	None		☐ Flow Li	ne 🗌	Oil	Rust	Stains		Time Collected		
			Corrosi	on 🗌	Paint	Other			Total Chlorine (field):		ррт
Non-illicit:	None		☐ Natural	Sheen	□ Natui	ral Suds/Fo	am		Free Chlorine (field):		ppm
— Physical (Condition Asse	cement —							Total Copper (field):		ppm
Graffiti:	None	SSITICITE							Ammonia (field):		ppm
									pH (field):		units
Erosion:	None	Donth (i)							Temperature (field):		°F
Deposition		Depth (in):							Conductivity (field):		μS/cm
Damage:	Moderate	Displace		ndercut		Crushed			Detergents:		mg/L
		✓ Corrosio	on 🗌 C	racks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 15-1348

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

East Snell Rd

Dimensions

Diameter (in): 36 Height/Depth (in): Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130702085424.JPG

Outfall Notes:

Storm sewer discharges to Winnebago County Community Park from west.

County Coordinates: Latitude/Longitude:

493,049 44.07206 Northing: Latitude: Easting: 792,990 Longitude: -88.53809

Location Map



Inspection Date: 7/2/2013 9:51:09 AM Inspection Type: Ongoing Inspector: **JCW** Previous Rainfall (hrs): 72+ Flow Description: Submerged, indeterminate Notes: Outfall partially submerged. Outfall screened upstream at 15-1348 US1 and Submerged: Partially Depth (in): 18 US2. Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130702085452.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results Inhibited Vegetation: None Excessive Sample Location: Benthic Growth: Slight **✓** Green Brown Sample ID: ✓ Flow Line Stains: Rust Stains Time Collected Moderate Oil Corrosion Paint Other Total Chlorine (field): ppm Free Chlorine (field): ppm Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment ppm Ammonia (field): Graffiti: None pH (field): units Erosion: None Temperature (field): ۰F Deposition: None Depth (in): Conductivity (field): μS/cm Damage: None Displacement Undercut Crushed Detergents: mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: 15-1348

Inspection Date: 9/2	2/2009 In	spector: JCW	Inspection Type:	Initial	Previous Rainfall (hrs):	72+
Flow Description: Su	ubmerged, indeterminate	Notes: Signific	cant grass clippings in	outfall pipe.		
Submerged: Partially	Depth (in): 16				A STATE OF	
Illicit Discharge Poten	itial: Potential	Field F	ollow-up Of	fice Follow-up		
Floatables:	Petrol.	Sheen Suds	Sewage Ale	gae Other		
Odor:	Petrole VOC/S			nlorine Other agrant		
Turbidity:						20 01 2009 14 30
Color:					Osh09_DSCN6	311.JPG
Gross Solids:	Litter	Debris	Sediment 0	Other	Sampling Results	
Vegetation:	☐ Inhibite	d Excessiv	re		Sample Location:	
Benthic Growth: Slight	✓ Green	Brown			Sample ID:	
Stains:	✓ Flow Li	ne 🗌 Oil	Rust Stains		Time Collected	
	Corrosi	on 🗌 Paint	Other		Total Chlorine (field):	<i>ppm</i>
Non-illicit: None	Natura	Sheen Natu	ıral Suds/Foam		Free Chlorine (field):	ppm
Physical Condition A	ssessment —				Total Copper (field):	ppm
Graffiti: None					Ammonia (field):	<i>ppm</i>
Erosion: None					pH (field):	units
	Donth (in)				Temperature (field):	° <i>F</i>
Deposition: None	Depth (in): 0	_			Conductivity (field):	μS/cm
Damage: None			Crushed		Detergents:	mg/L
	Corrosion C	racks/Structural [Damage		Phenol:	mg/L

Outfall ID: 15-1348 US1

Major Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1586

Drainage Basin:

East Snell Rd

─ Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702080038.JPG

Outfall Notes:

Upstream curb inlet located approx 209 ft WSW of outfall 15-1348. Intermediate area consists of residential property.

County Coordinates: Latitude/Longitude:

Northing: 492,948 Latitude: 44.07179 Easting: 792,809 Longitude: -88.53878



Inspection D	Date: 7/2/2	2013 8:59:18 AM	Inspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs)	: 72+	
Flow Descri	ption: Sub	merged, slight flow	Notes: First u	pstream manhole not lo	ocated.			
Submerged:	Partially	Depth (in): 2					1	
Illicit Discharge Potential: Unlikely								
Floatables:	None	Petrol	. Sheen Suds	Sewage Alga	ae Other			
Odor:	None	Petrol	leum Musty	Sewage Chlo	orine Other		Harry 1st	
			Solvent Fishy		grant			
Turbidity:	None						07/02/	2013 09:00
Color:	None					02013070208	10052.JI	PG
Gross Solids	: None	Litter	Debris	Sediment Ot	ther	Sampling Results——		
Vegetation:	None	Inhibit	ted Excessiv	/e		Sample Location: Flo	w	
Benthic Grov	vth: None	Green	n 🗌 Brown			Sample ID: 13	0702-0	2
Stains:	Slight	✓ Flow I	Line 🗌 Oil	Rust Stains		Time Collected 08	:56	
		☐ Corro	sion 🗌 Paint	Other		Total Chlorine (field):	0	ррт
Non-illicit:	None	□ Natura	al Sheen	ıral Suds/Foam		Free Chlorine (field):	0	ppm
	Condition Ass					Total Copper (field):	0	ppm
		sessment —				Ammonia (field):	0	ppm
Graffiti:	None					pH (field):	7.95	units
Erosion:	None					Temperature (field):	71	°F
Deposition		Depth (in):				Conductivity (field):	894	μS/cm
Damage:	None	☐ Displacement ☐	Undercut	Crushed		Detergents:	0	mg/L
		Corrosion	Cracks/Structural I	Damage		Phenol:		mg/L

Outfall ID: 15-1348 US1

Inspection	Date: 9/2/2	009	Inspecto	or: JCW	Inspecti	on Type:	Initial	Previous Rainfall (h	's): 72+	
Flow Descr	ription: Trick	de	Note	s:						
Submerged	: None	Depth (in):	0							
Illicit Disch	arge Potentia	l: Unlikely		Field F	ollow-up	Of	fice Follow-up			
Floatables:	None		Petrol. Sheer	Suds	Sewag	je 🗌 Alç	gae 🗌 Othe	er 💮		
Odor:	None		Petroleum	☐ Musty	Sewag	je 🗌 Ch	nlorine Othe	er 💮		
				Fishy	Sulfur	Fra	agrant			2000 10 22
Turbidity:	None								9 1	7009 19-10
Color:	None							Osh09_DS	CN6329.J	PG
Gross Solid	s: None		Litter	Debris	Sedim	ent 🗌 (Other	- Sampling Results		
Vegetation:] Inhibited [Excessiv	re			Sample Location: I	low	
Benthic Gro	wth:		Green [Brown				Sample ID:	90902-0	5
Stains:			Flow Line	Oil	Rust S	tains		Time Collected	10:50	
			Corrosion [Paint	Other			Total Chlorine (field):	0	ppm
Non-illicit:	None		Natural Shee	n 🗌 Natu	ıral Suds/Fo	am		Free Chlorine (field):	0	ppm
- Physical	Condition Ass	essment —						Total Copper (field):	0	ppm
Graffiti:	None	coomen						Ammonia (field):		ppm
								pH (field):	7.98	units
Erosion:	None	5						Temperature (field):	72	°F
Depositio		Depth (in): 0)					Conductivity (field):		μS/cm
Damage:	None	Displacem	ent Underc	ut 🗌	Crushed			Detergents:	0	mg/L
		Corrosion	Cracks	Structural [Damage			Phenol:	0	mg/L

Outfall ID: 15-1348 US2

Major Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

N/A

Drainage Basin:

East Snell Rd

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130702081142.JPG

Outfall Notes:

Upstream curb inlet located approx 220 ft NW of outfall 15-1348. Intermediate area consists of residential property.

County Coordinates: Latitude/Longitude:
Northing: 493,193 Latitude: 44.07246

Easting: 792,824 Longitude: -88.53872



Inspection Da	ate: 7/2/201	13 9:08:59 AM	Inspe	ector:	JCW	Inspection	n Type:	Ongoing	Previous Rainfall (h	rs): 72-	+
Flow Descrip	tion: Subme	erged, slight fl	low N	otes:	First up	stream man	hole not	located.			
Submerged:	Partially	Depth (in):	3								
Illicit Dischar	ge Potential:	Unlikely			Field Fo	ollow-up	Of	ffice Follow-up	Control of the second		
Floatables: N	lone		Petrol. Sh	een 🗌	Suds	Sewage	e 🗌 Alg	gae 🗌 Othe	r		3
Odor: N	lone		Petroleum		Musty	Sewage	e 🗌 Ch	nlorine Othe	r		
			VOC/Solve	ent 🗌	Fishy	Sulfur	Fr	agrant			1
Turbidity: N	lone									07/02/	20/13 09/11
Color: N	lone								o2013070.	2081154.J	PG
Gross Solids:	Slight		Litter	V [Debris	Sedime	ent 🗌 (Other	- Sampling Results		
Vegetation:	None		Inhibited	E	Excessive	Э			Sample Location:	Pool	
Benthic Growt	h: None		Green	E	Brown				Sample ID:	130702-1	8
Stains:	Slight		Flow Line		Oil	Rust St	ains		Time Collected	09:06	
			Corrosion	F	Paint	Other			Total Chlorine (field)	: 0	ppm
Non-illicit:	None		☐ Natural Sh	neen	☐ Natur	ral Suds/Foa	m		Free Chlorine (field)		
				iccii	Natur	ai Odds/i Od			Total Copper (field):	0	ppm
	ondition Asses	ssment ———							Ammonia (field):	0	ppm
Graffiti:	None								pH (field):	7.88	units
Erosion:	None								Temperature (field):	69	°F
Deposition:		Depth (in):							Conductivity (field):	1050	μS/cm
Damage:	None	Displaceme	ent 🗌 Und	ercut		Crushed			Detergents:	0	mg/L
		Corrosion	Crac	cks/Str	uctural D	amage			Phenol:		mg/L

Outfall ID: 15-1348 US2

Inspection	Date: 9/2/2	009	Inspector:	JCW	Inspection ¹	Type: Initia		Previous Rainfall (hrs	s): 72+	-
Flow Descri Submerged	ription: Trick : None	Depth (in): 0	Notes:	Grass o	clippings in mar	nhole and su	rrounding	1		
Illicit Disch	arge Potentia	I: Potential		Field F	ollow-up	Office Fo	ollow-up		300	1
Floatables:	None	Pe	trol. Sheen 🗌	Suds	Sewage	Algae	Other			
Odor:	None		troleum OC/Solvent	Musty Fishy	Sewage Sulfur	☐ Chlorine ☐ Fragrant				
Turbidity:	None			o,					9	7 (000 18/58
Color:	None							Osh09_DS0	CN6315.J	PG
Gross Solid	s: None	Litt	ter	Debris	Sediment	Other	Г	Sampling Results—		
Vegetation:		Inf	nibited	Excessiv	е			Sample Location: F	low	
Benthic Gro	wth:	☐ Gr	een	Brown				Sample ID: 0	90902-1	0
Stains:		Flo	w Line	Oil	Rust Stair	าร		Time Collected 1	1:00	
		☐ Co	rrosion	Paint	Other			Total Chlorine (field):	0	ppm
Non-illicit:	None	☐ Na	tural Sheen	☐ Natu	ral Suds/Foam			Free Chlorine (field):	0	ppm
⊢ Physical	Condition Ass	essment						Total Copper (field):	0	ppm
Graffiti:	None							Ammonia (field):		ppm
Erosion:	None							pH (field):	7.67	units
Depositio		Depth (in): 0						Temperature (field):	72	° F
Damage:		_ ` ` ` `	Llastans ::t		O			Conductivity (field):		μS/cm
Damago.	110110	Displacement	Undercut		Crushed			Detergents:	0	mg/L
		Corrosion	Cracks/Sti	ructural L	varnage			Phenol:	0	mg/L

Outfall ID: 15-1702

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Downstream Outfall

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Drainage Basin:

East Snell Rd

- Dimensions

Diameter (in): 18
Height/Depth (in):
Width (in):

Mapping Precison:

Desktop mapping estimate

✓ Not Physically Located

o20130702082622.JPG

Outfall Notes:

Jacktar Rd storm sewer discharges to vacant property from north.

County Coordinates: Latitude/Longitude:

Northing: 496,387 Latitude: 44.08122 Easting: 792,475 Longitude: -88.54005



Inspection	Date: 7/2	2/2013 9:25:13 AM	Inspector:	JCW	Inspection Typ	e: Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr	iption: No	ne	Notes:		ot located -covere	,		A	$\cdot \alpha$
Submerged:	None	Depth (in):		waste. S	Screened upstrea	m at 15-1702 US	1.		
Illicit Disch	arge Poten	tial: Unlikely	✓	Field Foll	low-up	Office Follow-up		W.	外人有
Floatables:	None		Petrol. Sheen	Suds	Sewage	Algae Oth	er Name	6	
Odor:	None		Petroleum	Musty	Sewage	Chlorine Oth	er Ser		
			VOC/Solvent	Fishy	Sulfur	Fragrant			
Turbidity:	None								
Color:	None						020130702082	2630.JI	PG
Gross Solids	s: None		Litter 🔲 [Debris	Sediment	Other	- Sampling Results		
Vegetation:	None		Inhibited 🗌 E	Excessive			Sample Location:		
Benthic Gro	wth: None		Green 🗌 I	Brown			Sample ID:		
Stains:	None		Flow Line 🔲 (Oil	Rust Stains		Time Collected		
			Corrosion 🗌 F	Paint	Other		Total Chlorine (field):		ppm
Non-illicit:	None		Natural Sheen	□ Natura	al Suds/Foam		Free Chlorine (field):		ppm
	Condition A						Total Copper (field):		ppm
		ssessment					Ammonia (field):		ppm
Graffiti:	None						pH (field):		units
Erosion:	None	5 (1.)					Temperature (field):		°F
Deposition		Depth (in):					Conductivity (field):		μS/cm
Damage:	None	Displacemen	t Undercut	Cr	rushed		Detergents:		mg/L
		Corrosion	Cracks/Str	uctural Da	ımage		Phenol:		mg/L

Outfall ID: 15-1702 US1

Minor Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1702

Drainage Basin:

East Shell Rd

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

07/02/2013 bq:32

o20130702083212.JPG

Outfall Notes:

Upstream curb inlet located approx 165 ft N of outfall 15-1702. Intermediate area consists of multifamily residdential property.

County Coordinates: Latitude/Longitude:

Northing: 496,552 Latitude: 44.08167 Easting: 792,489 Longitude: -88.54000



Inspection I	Date: 7/2/20	13 9:26:59	AM Ir	spector:	JCW	Inspec	tion Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri	iption: Subn Partially	n erged, inde Depth (ir		Notes:		wet sedim		egetative debris.	A PO		Will Y
Illicit Discha	arge Potential	: Unlikely			Field Fo	ollow-up	_ O	ffice Follow-up			
Floatables:	None		Petrol.	Sheen	Suds	Sewa	age 🗌 A	lgae 🗌 Oth	er		A HE
Odor:	Easily detecte	d	Petrole		Musty	Sewa	_	hlorine Oth	er er		
,	None		U VOC/S	olvent _	」Fishy	∐ Sulfu	ır 📙 Fı	ragrant	020130702083	224.JI	2618 08:32 PG
	None]								G
Gross Solids	s: Severe		Litter	✓	Debris	✓ Sedi	ment	Other	— Sampling Results———		
Vegetation:	None		Inhibite	ed 🗌	Excessive	е			Sample Location:		
Benthic Grov	wth: None		Green		Brown				Sample ID:		
Stains:	Moderate		✓ Flow L	ine 🗌	Oil	☐ Rust	Stains		Time Collected		
			☐ Corros	ion 🗌	Paint	Othe	r		Total Chlorine (field):		ppm
Non-illicit:	Moderate		✓ Natura	l Sheen	☐ Natui	ral Suds/F	oam		Free Chlorine (field):		ppm
– Physical (Condition Asse	esment —					i		Total Copper (field):		ppm
		Somen							Ammonia (field):		ppm
Graffiti:	None								pH (field):		units
Erosion:	None	5 (1 .)	•						Temperature (field):		°F
Deposition		Depth (in):	: 2						Conductivity (field):		μS/cm
Damage:	None	Displac	ement 🗌 l	Indercut		Crushed			Detergents:		mg/L
		Corrosi	on 🗌 (Cracks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 15-1734

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Downstream Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Drainage Basin:

Sunnyview Rd North

- Dimensions

Diameter (in): 18
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130716060136.JPG

Outfall Notes:

Shambeau Dr storm sewer discharges to channel from west.

County Coordinates: Latitude/Longitude:

Northing: 498,018 Latitude: 44.08570 Easting: 798,495 Longitude: -88.51714



Inspection Date	te: 7/16/2013 6:55:40	AM Inspector:	JCW Inspe	ction Type: On	ngoing	Previous Rainfall (hrs):	72+	
Flow Descript	ion: None	Notes:					1	6/1
Submerged: N	None Depth (ir	n):						200
Illicit Discharg	ge Potential: Unlikely		Field Follow-up	Office	Follow-up			
Floatables: No	one	Petrol. Sheen] Suds	vage Algae	Other		N.	
Odor: No	one	Petroleum	Musty Sew	age 🗌 Chlorir	ne 🗌 Other		Y.	The state of the s
		☐ VOC/Solvent ☐	Fishy Sulf	ur 🗌 Fragra	ant			0 10 07 00
Turbidity: No	one							
Color: No	one					o201307160601	42.JP	'G
Gross Solids:	None	Litter	Debris Sed	iment 🗌 Othe	er _	Sampling Results———		
Vegetation:	None	Inhibited	Excessive			Sample Location:		
Benthic Growth	n: None	Green	Brown			Sample ID:		
Stains:	Slight	✓ Flow Line	Oil Rus	t Stains		Time Collected		
		Corrosion	Paint Othe	∍r		Total Chlorine (field):		ppm
Non-illicit:	None	Natural Sheen	Natural Suds/	-oam		Free Chlorine (field):		ppm
– Physical Cor	ndition Assessment —			_		Total Copper (field):		ppm
Graffiti:	None					Ammonia (field):		ppm
						pH (field):		units
Erosion:	None	. 4				Temperature (field):		°F
Deposition:	Minor Depth (in):	1				Conductivity (field):		μS/cm
Damage:	None Displac	ement Undercut	Crushed			Detergents:		mg/L
	☐ Corrosi	on Cracks/St	ructural Damage			Phenol:		mg/L

Outfall ID: 15-1746

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Downstream Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Sunnyview Rd North

- Dimensions

Diameter (in): 15 Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located



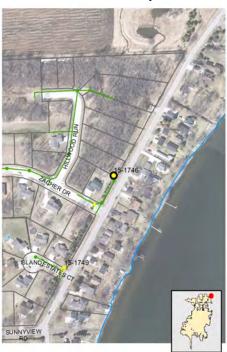
o20130716064250.JPG

Outfall Notes:

Zacher Dr storm sewer discharges to channel from south. Location approximate - no GPS signal in canopy

County Coordinates: Latitude/Longitude:

Northing: 497,876 Latitude: 44.08531 Easting: 799,925 Longitude: -88.51170



Inspection	Date: 7/	16/2013 7:37:30	AM In	spector:	JCW	Inspection	Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	•	ubmerged, inde Depth (in		Notes:		partially submed upstream a					
Illicit Disch	arge Poter	ntial: Unlikely			Field Fo	ollow-up	Of	ffice Follow-up			
Floatables:	None		Petrol.	Sheen	Suds	Sewage	_ Ale	gae 🗌 Othe	er 💮 💮		
Odor:	None		Petrole	eum 🗌	Musty	Sewage	Cł	hlorine Othe	er 💮	2	
	L		UOC/S	olvent [Fishy	Sulfur	Fr	agrant	Car Park	149	
Turbidity:	None									412	
Color:	None								020130716064	300.JF	PG
Gross Solids	s: None		Litter		Debris	Sedimer	nt 🗌 (Other	- Sampling Results		
Vegetation:	None		Inhibite	ed 🗌	Excessive	е			Sample Location:		
Benthic Gro	wth: Slight		✓ Green		Brown				Sample ID:		
Stains:	None		☐ Flow Li	ne 🗌	Oil	Rust Sta	ins		Time Collected		
			Corros	ion 🗌	Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None		Natura	Sheen	☐ Natu	ral Suds/Foan	n		Free Chlorine (field):		ppm
– Physical (Condition A	Assessment -							Total Copper (field):		ppm
Graffiti:	None								Ammonia (field):		ppm
Erosion:	None								pH (field):		units
Depositio		Depth (in):	2						Temperature (field):		°F
Deposition Damage:		_ ' ' '	_						Conductivity (field):		μS/cm
Damage.	None	Displac		Indercut		Crushed			Detergents:		mg/L
		Corrosi	on 🗌 C	Cracks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 15-1746 US1

Minor Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1744

Drainage Basin:

Sunnyview Rd North

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130716064758.JPG

Outfall Notes:

Upstream curb inlet located approx 167 ft SSW of outfall 15-1746. Intermediate area consists of residential lot and wetlands in street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 497,740 Latitude: 44.08494 Easting: 799,828 Longitude: -88.51207



Inspection Date	e: 7/16/2013 7:42:44	AM Ins	pector:	JCW	Inspec	tion Type:	Ongoing	Previous Rainfall (h	nrs): 72+	-
Flow Descriptio	on: Submerged, inde	terminate	Notes:					14 / 1	4	
Submerged: Pa	artially Depth (in): 5								
Illicit Discharge	Potential: Unlikely	l		Field Fo	ollow-up	O	ffice Follow-up			
Floatables: Non	ne	Petrol. S	Sheen 🗌	Suds	Sewa	age 🗌 Al	gae 🗌 Oth	er		
Odor: Non	ne	Petrole	ım 🗌	Musty	Sewa	age 🗌 CI	hlorine Oth	er Visite		
		UOC/Sc	lvent [Fishy	Sulfu	ır 🗌 Fr	agrant			
Turbidity: Non	пе									3 07:48
Color: Non	пе							02013071	6064804.JI	PG
Gross Solids:	Slight	Litter	✓	Debris	Sedi	ment 🗌	Other	Sampling Results		
Vegetation:	None	Inhibited	<u> </u>	Excessiv	е			Sample Location:	Pool	
Benthic Growth:	Slight	✓ Green		Brown				Sample ID:	130716-1	6
Stains:	None	Flow Lir	ie 🗌	Oil	Rust	Stains		Time Collected	07:45	
		Corrosio	n 🗌	Paint	Othe	r		Total Chlorine (field): 0	ррт
Non-illicit:	None	☐ Natural	Sheen	☐ Natu	ral Suds/F	oam		Free Chlorine (field)	: 0	ррт
– Physical Conc	dition Assessment —					i		Total Copper (field):	0	ppm
'	None							Ammonia (field):	0	ppm
								pH (field):	7.29	units
	None							Temperature (field):	71	°F
-	None Depth (in):							Conductivity (field):	1139	μS/cm
Damage:	None Displac		ndercut		Crushed			Detergents:	0	mg/L
	Corrosi	on 🗌 C	acks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 15-1749

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Sunnyview Rd North

- Dimensions

Diameter (in): 15
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130716061550.JPG

Outfall Notes:

Island Estates Ct curb inlets discharge to swale from south.

County Coordinates: Latitude/Longitude:

Northing: 497,429 Latitude: 44.08408 Easting: 799,675 Longitude: -88.51265



Inspection Dat	te: 7/16/2013 7:08:52	2 AM Inspector:	JCW Inspe	ction Type: C	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descripti Submerged: P	ion: Submerged, inde Partially Depth (in		Outfall partially s screened at 15-1 end of pipe.					
Illicit Discharg	je Potential: Unlikely	'	Field Follow-up	Offic	ce Follow-up			
Floatables: No	one	Petrol. Sheen	Suds Sew	age 🗌 Alga	ae 🗌 Other			
Odor: No	one	Petroleum	Musty Sew	age 🗌 Chlo	orine Other			
		☐ VOC/Solvent ☐	Fishy Sulf	ur 🗌 Frag	grant		ar Ataya	1
Turbidity: No	one						1	1
Color: No	one					0201307160615	556.JF	₽G
Gross Solids:	None	Litter I	Debris Sedi	iment 🗌 Oth	ther	Sampling Results———		
Vegetation:	None	☐ Inhibited ☐ I	Excessive			Sample Location:		
Benthic Growth	: Slight	✓ Green ☐ I	Brown			Sample ID:		
Stains:	None	Flow Line	Oil Rusi	t Stains		Time Collected		
		Corrosion I	Paint Othe	er:		Total Chlorine (field):		ppm
Non-illicit:	None	Natural Sheen	☐ Natural Suds/F	-oam		Free Chlorine (field):		ppm
— Physical Con	ndition Assessment —					Total Copper (field):		ppm
Graffiti:						Ammonia (field):		ppm
	None					pH (field):		units
Erosion:	None					Temperature (field):		°F
Deposition:	None Depth (in):	<u></u>	_			Conductivity (field):		μS/cm
Damage:	= '	cement Undercut	Crushed			Detergents:		mg/L
	Corrosi	ion Cracks/Str	uctural Damage			Phenol:		mg/L

Outfall ID: 15-1749 US1

Minor Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1749

Drainage Basin:

Sunnyview Rd North

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130716061752.JPG

Outfall Notes:

Upstream curb inlet located approx 19 ft SW of outfall 15-1749. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 497,416 Latitude: 44.08405 Easting: 799,662 Longitude: -88.51270



Inspection Date:	7/16/2013 7:12:27 AM	Inspector: JC	W Inspec	tion Type:	Ongoing	Previous Rainfall (hrs	;): 72+	
Flow Description:	: Submerged, indeterm	inate Notes:					The last	
Submerged: Parti	tially Depth (in): 1	2				7-7-	1	
Illicit Discharge P	Potential: Unlikely	Fie	eld Follow-up	Offi	ice Follow-up			
Floatables: None		Petrol. Sheen Su	ds Sewa	age 🗌 Alg	ae Othe		9'	Jan Park
Odor: None		Petroleum Mu	ısty 🗌 Sewa	age 🗌 Chl	orine Other			
		VOC/Solvent Fis	shy 🗌 Sulfu	ır 🗌 Fra	grant	-	07/16/	2013 07618 -
Turbidity: None						bear 1 and		
Color: None						0201307160	61800.JF	PG
Gross Solids: No	lone	Litter Deb	ris 🗌 Sedi	ment 🗌 O	ther	-Sampling Results		
Vegetation: No	lone	Inhibited Exce	essive			Sample Location: P	ool	
Benthic Growth: SI	Slight	Green ✓ Brov	vn			Sample ID: 13	30716-4	0
Stains: No	lone	Flow Line Oil	☐ Rust	Stains		Time Collected 07	7:15	
		Corrosion	t Othe	r		Total Chlorine (field):	0	ppm
Non-illicit: No	lone	Natural Sheen	Natural Suds/F	oam		Free Chlorine (field):	0	ppm
☐ Physical Conditi	tion Assessment			1		Total Copper (field):	0	ppm
						Ammonia (field):	0	ppm
	lone					pH (field):	7.28	units
	lone					Temperature (field):	71	°F
	lone Depth (in):	_				Conductivity (field):	1385	μS/cm
Damage: No	lone Displaceme		Crushed			Detergents:	0	mg/L
	☐ Corrosion	Cracks/Structu	ıral Damage			Phenol:		mg/L

Outfall ID: 15-1806

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Fernau Ave

Dimensions

Diameter (in): 24 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130905091004.JPG

Outfall Notes:

Jackson St storm sewer discharges to stream from south.

County Coordinates: Latitude/Longitude:

Northing: 487,387 44.05653 Latitude: Easting: 791,764 Longitude: -88.54274



Inspection	Date: 9/5	5/2013 10:06:52	AM In	spector:	JCW	Inspection	n Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	•	bmerged, indet Depth (in)		Notes:		partially subned upstream					
Illicit Disch	arge Poten	tial: Unlikely			Field Fo	ollow-up	Of	ffice Follow-up		大	TES
Floatables:	None		Petrol.	Sheen _	Suds	Sewage	Al	gae Oth	er The second	1	
Odor:	None		Petrole	um 🗌	Musty	Sewage	CI	hlorine Oth	er San	11	
			UOC/S	olvent [Fishy	Sulfur	Fr	agrant			
Turbidity:	None									1	
Color:	None								020130905091	014.JF	PG
Gross Solids	s: None		Litter		Debris	Sedime	nt 🗌 (Other	- Sampling Results		
Vegetation:	None		Inhibite	d	Excessive	е			Sample Location:		
Benthic Gro	wth: None		Green		Brown				Sample ID:		
Stains:	Slight		✓ Flow Li	ne 🗌	Oil	Rust Sta	ains		Time Collected		
			Corrosi	on 🗌	Paint	Other			Total Chlorine (field):		ррт
Non-illicit:	None		☐ Natural	Sheen	☐ Natui	ral Suds/Foar	n		Free Chlorine (field):		ppm
	Condition As	seesement —							Total Copper (field):		ppm
		33C33IIICIII							Ammonia (field):		ppm
Graffiti:	None								pH (field):		units
Erosion:	None	D 11 (1)							Temperature (field):		°F
Deposition		Depth (in):	1						Conductivity (field):		μS/cm
Damage:	None	Displace	ement 🗌 L	Indercut		Crushed			Detergents:		mg/L
		Corrosio	on 🗌 C	racks/Str	uctural D	amage			Phenol:		mg/L

Outfall ID: 15-1806 US1

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Other

Material:

Manhole - concrete

City ID:

15-1806

Drainage Basin:

Fernau Ave

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Q3/08/2018 Q8359

o20130905085950.JPG

Outfall Notes:

Upstream manhole located approx 28 ft W of outfall 15-1806. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 487,378 Latitude: 44.05651 Easting: 791,738 Longitude: -88.54284



Inspection	Date: 9/5/2	2013 9:56:09 AM	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr	ription: Non	е	Notes: Manho	ole dry at time of inspe	ection.	1	A CONTRACTOR OF THE PARTY OF TH
Submerged	: None	Depth (in):					ALC: N
Illicit Disch	arge Potentia	al: Unlikely	Field F	Follow-up O	ffice Follow-up		
Floatables:	None	Petrol.	. Sheen Suds	Sewage Al	gae 🗌 Other		
Odor:	None	☐ Petrole	eum 🗌 Musty	Sewage Cl	hlorine 🗌 Other		
			Solvent Fishy	Sulfur Fr	agrant		05/05/2013, 10:00
Turbidity:	None					2010005000	200 100
Color:	None					020130905090	002.JPG
Gross Solida	s: None	Litter	Debris	Sediment	Other	Sampling Results———	
Vegetation:	None	Inhibite	ed Excessiv	ve		Sample Location:	
Benthic Gro	wth: None	Green	Brown			Sample ID:	
Stains:	Slight	✓ Flow L	ine 🗌 Oil	Rust Stains		Time Collected	
		Corros	sion	Other		Total Chlorine (field):	<i>ppm</i>
Non-illicit:	None	☐ Natura	al Sheen	ural Suds/Foam		Free Chlorine (field):	<i>ppm</i>
- Physical	Condition Ass	essment —				Total Copper (field):	<i>ppm</i>
		Sosmen				Ammonia (field):	<i>ppm</i>
Graffiti:	None					pH (field):	units
Erosion:	None	Dentale (lan)				Temperature (field):	° <i>F</i>
Depositio		Depth (in):				Conductivity (field):	μS/cm
Damage:	None	Displacement U	Undercut	Crushed		Detergents:	mg/L
		☐ Corrosion ☐ 0	Cracks/Structural	Damage		Phenol:	mg/L

Outfall ID: 15-1807

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

- . .

Fernau Ave

- Dimensions

Diameter (in): 24

Height/Depth (in): Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

03/03/2013 10:14

o20130905091444.JPG

Outfall Notes:

Jackson St storm sewer discharges to stream from north. Dimensions approximate due to deposition.

County Coordinates: Latitude/Longitude:

Northing: 487,411 Latitude: 44.05660 Easting: 791,765 Longitude: -88.54273



Inspection	Date: 9/5/2	013 10:10:16	AM In:	spector:	JCW	Inspect	on Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri Submerged:	iption: None None	Depth (in)):	Notes:		screened u deposition.	ostream a	at 15-1807 US1			
Illicit Discha	arge Potentia	I: Unlikely			Field Fo	ollow-up	_ O	ffice Follow-up			
Floatables:	None		Petrol.	Sheen [Suds	Sewa	ge 🗌 A	lgae 🗌 Oth	ner		
Odor:	None		Petrole	um [Musty	Sewa	ge 🗌 C	hlorine Oth	ner Ner		
Turbidity:	None		☐ VOC/S	olvent [Fishy	Sulfur	Fi	ragrant		3	
Color:	None								02013090509	1450.JI	PG
Gross Solids	s: None		Litter		Debris	Sedim	ent	Other	_ Sampling Results ——		
Vegetation:	None		Inhibite	d 🗌	Excessive	Э			Sample Location:		
Benthic Grov	wth: None		Green		Brown				Sample ID:		
Stains:	None		Flow Li	ne 🗌	Oil	Rust S	Stains		Time Collected		
		<u> </u>	Corrosi	on 🗌	Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None		□ Natural	Sheen	☐ Natur	ral Suds/Fo	am		Free Chlorine (field):		ppm
Physical (Condition Asse	essment —							Total Copper (field):		ppm
Graffiti:	None								Ammonia (field):		ppm
Erosion:	None								pH (field): Temperature (field):		units ∘ F
Deposition	n: Severe	Depth (in):	15						Conductivity (field):		μS/cm
Damage:		Displace		ndercut		Crushed			Detergents:		μ3/CIII mg/L
		Corrosio			ructural D				Phenol:		mg/L

Outfall ID: 15-1807 US1

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1807

Drainage Basin:

Fernau Ave

─ Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130905085526.JPG

Outfall Notes:

Upstream manhole located approx 31 ft WNW of outfall 15-1807. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 487,423 Latitude: 44.05663 Easting: 791,736 Longitude: -88.54284



Inspection	Date: 9/5/20	13 9:52:07 AM	Inspector:	JCW I	nspection Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr	iption: None		Notes:		bottom of man	hole. No	No. of the last of		
Submerged:	: None	Depth (in):		collectable t	low.				
Illicit Disch	arge Potential:	Unlikely		Field Follow	-up 🗌 O	Office Follow-up			
Floatables:	None		Petrol. Sheen	Suds	Sewage A	lgae Othe	r		
Odor:	None		Petroleum	Musty _	Sewage C	hlorine Othe	r V		
			VOC/Solvent	Fishy	Sulfur F	ragrant		08/08/2013 08 94	
Turbidity:	None								
Color:	None						020130905085	542.JPG	
Gross Solids	s: None		Litter	Debris 🗌	Sediment	Other	Sampling Results		\neg
Vegetation:	None] Inhibited 🔲 I	Excessive			Sample Location:		
Benthic Gro	wth: None		Green 🔲	Brown			Sample ID:		
Stains:	None		Flow Line	Oil 🗌	Rust Stains		Time Collected		
			Corrosion 🔲 I	Paint	Other		Total Chlorine (field):	ppm	
Non-illicit:	None		Natural Sheen	☐ Natural S	uds/Foam		Free Chlorine (field):	ppm	
	Condition Asses	scmont -	,				Total Copper (field):	<i>ppm</i>	
		sinen					Ammonia (field):	<i>ppm</i>	
Graffiti:	None						pH (field):	units	
Erosion:	None						Temperature (field):	° <i>F</i>	
Depositio		Depth (in): 3					Conductivity (field):	μS/cm	
Damage:	None	Displaceme	ent Undercut	Crusl	ned		Detergents:	mg/L	
		Corrosion	☐ Cracks/Str	uctural Dama	ıge		Phenol:	mg/L	

Outfall ID: 15-1856

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID: N/A

Drainage Basin:

Fernau Ave

Dimensions

Diameter (in): 24

Height/Depth (in):

Mapping Precison:

Mapping GPS

Width (in):

☐ Not Physically Located



o20130905095104.JPG

Outfall Notes:

Jackson St storm sewer discharges to stream from south.

County Coordinates: Latitude/Longitude:

Northing: 488,882 44.06063 Latitude: Easting: 791,759 Longitude: -88.54276



Inspection Date: 9/5/2013 10:	18:08 AM Inspector: JCW	V Inspection Type: Ongoing	Previous Rainfall (hrs): 72+	
Flow Description: Submerged, Submerged: Partially Dep		all partially submerged. Outfall ened upstream at 15-1856 US1.		
Illicit Discharge Potential: Unl	kely Field	d Follow-up Office Follow-up		Par
Floatables: None	Petrol. Sheen Suds	s Sewage Algae Othe		28
Odor: None	Petroleum Mus	ty 🗌 Sewage 🗌 Chlorine 🗌 Othe	r	*
	☐ VOC/Solvent ☐ Fish	y 🗌 Sulfur 📗 Fragrant		
Turbidity: None				1
Color: None			o20130905095140.JPG	
Gross Solids: None	Litter Debris	S Sediment Other	- Sampling Results	\neg
Vegetation: None	☐ Inhibited ☐ Exces	sive	Sample Location:	
Benthic Growth: Moderate	✓ Green Brown	1	Sample ID:	
Stains: Moderate	✓ Flow Line Oil	Rust Stains	Time Collected	
	Corrosion Paint	Other	Total Chlorine (field): ppm	
Non-illicit: None	Natural Sheen Na	atural Suds/Foam	Free Chlorine (field): ppm	
Physical Condition Assessment			Total Copper (field): ppm	
Graffiti: None			Ammonia (field): ppm	
			pH (field): units	
Erosion: None	(in), F		Temperature (field): °F	
'	(in): 5		Conductivity (field): μS/cm	
Damage: None Di	splacement Undercut	Crushed	Detergents: mg/L	
Co	errosion Cracks/Structura	al Damage	Phenol: mg/L	

Outfall ID: 15-1856 US1

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1856

Drainage Basin:

Fernau Ave

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130905094002.JPG

Outfall Notes:

Upstream manhole located approx 38 ft WSW of outfall 15-1856. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 488,864 Latitude: 44.06058 Easting: 791,725 Longitude: -88.54289



Inspection	Date: 9/5/2	2013 10:33:28 AM In	spector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hi	rs): 72+	
Flow Descr Submerged:	•	merged, indeterminate Depth (in): 4	Notes:			1	-	7 1
Illicit Disch	arge Potenti	al: Unlikely	Field Fo	ollow-up O	ffice Follow-up			
Floatables:	None	Petrol.	Sheen Suds	Sewage Al	gae Other			
Odor:	None	Petrole	eum 🗌 Musty	Sewage Cl	hlorine Other			
		☐ VOC/S	olvent Fishy	Sulfur Fr	agrant			
Turbidity:	None					Viet and	167.261)	Part 19749
Color:	None					020130905	5094012.JF	PG
Gross Solids	s: None	Litter	Debris	Sediment	Other	Sampling Results—		
Vegetation:	None	Inhibite	ed Excessiv	е		Sample Location:	Pool	
Benthic Gro	wth: Slight	✓ Green	Brown			Sample ID:	130905-2	0
Stains:	Slight	✓ Flow L	ine 🗌 Oil	Rust Stains		Time Collected	10:32	
		☐ Corros	ion 🗌 Paint	Other		Total Chlorine (field):	0	ppm
Non-illicit:	None	☐ Natura	l Sheen 🔲 Natu	ral Suds/Foam		Free Chlorine (field):	0	ppm
- Physical i	Condition Ass	sessment —				Total Copper (field):	0	ppm
		occomen				Ammonia (field):	1	ppm
Graffiti:	None					pH (field):	7.86	units
Erosion:	None	Danth (in). 1				Temperature (field):	71	°F
Depositio		Depth (in): 1				Conductivity (field):	1256	μS/cm
Damage:	None	= ' =		Crushed		Detergents:	0	mg/L
		Corrosion C	Cracks/Structural D)amage		Phenol:		mg/L

Outfall ID: 15-1889

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Elliptical

Material:

RCP

City ID: N/A

Drainage Basin:

Fernau Ave

Dimensions

Diameter (in):

Height/Depth (in): 29

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130905094742.JPG

Outfall Notes:

Jackson St storm sewer discharges to stream from north.

County Coordinates: Latitude/Longitude:

Northing: 488,900 44.06068 Latitude: Easting: 791,759 Longitude: -88.54276



Inspection Date: 9/5/2013 10	1:41:23 AM Inspector: JCW Inspection Type:	e: Ongoing Previous Rainfall (hrs): 72+
Flow Description: Submerged: Submerged: Partially	A, indeterminate Popth (in): 10 Notes: Outfall partially submerged. screened upstream at 15-18	
Illicit Discharge Potential: Ur	likely Field Follow-up C	Office Follow-up
Floatables: None	☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ A	Algae Other
Odor: None	Petroleum Musty Sewage C	Chlorine Other
	☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ F	Fragrant
Turbidity: None		U9/05/2013 1/ 059
Color: None		o20130905094800.JPG
Gross Solids: None	Litter Debris Sediment	Other Sampling Results
Vegetation: None	☐ Inhibited ☐ Excessive	Sample Location:
Benthic Growth: Moderate	✓ Green Brown	Sample ID:
Stains: Slight	✓ Flow Line ☐ Oil ☐ Rust Stains	Time Collected
	Corrosion Paint Other	Total Chlorine (field): ppm
Non-illicit: None	☐ Natural Sheen ☐ Natural Suds/Foam	Free Chlorine (field): ppm
	nt	Total Copper (field): ppm
Graffiti: None		Ammonia (field): ppm
Erosion: None		pH (field): units
	th (in):	Temperature (field): °F
Damasas Nama		Conductivity (field): μS/cm
	Displacement Undercut Crushed	Detergents: mg/L
	Corrosion Cracks/Structural Damage	Phenol: mg/L

Outfall ID: 15-1889

Inspection	Date: 9/2/20	009	Inspector:	JCW	Inspection	Туре:	Initial	Previous Rainfall (h	rs): 72+	
Flow Descr	iption: Subm	nerged, slight flow	Notes:					NO SECTION		
Submerged	: Partially	Depth (in): 11								- 15
Illicit Disch	arge Potential	: Unlikely		Field Fo	ollow-up	Off	fice Follow-up			
Floatables:	None	P	etrol. Sheen [Suds	Sewage	Alg	gae 🗌 Oth	er er		3-11
Odor:	None		etroleum [☐ Musty ☐ Fishy	Sewage Sulfur		olorine Oth	er		1/5
Turbidity:	None		OC/Solvent _	_ FISHIY	Sullui	F16	agrant		09.0	1.2009 23:04
Color:	None							Osh09_DS	CN6385.JI	PG
Gross Solid	s: None	Li	itter	Debris	Sedimer	nt 🗌 C	Other	— Sampling Results —		
Vegetation:		☐ Ir	nhibited	Excessiv	е			Sample Location:	Pool	
Benthic Gro	wth: Slight	✓ G	ireen	Brown				Sample ID:	090902-1	0L
Stains:			low Line	Oil	Rust Sta	ins		Time Collected	15:05	
		C	orrosion	Paint	Other			Total Chlorine (field)	0	ppm
Non-illicit:	None	N	atural Sheen	☐ Natu	ral Suds/Foan	n		Free Chlorine (field):	0	ppm
- Physical	Condition Asse	essment						Total Copper (field):	0	ppm
		.oomen						Ammonia (field):		ppm
Graffiti:	None							pH (field):	7.31	units
Erosion:	None	5 (1) -						Temperature (field):	74	°F
Depositio		Depth (in): 7						Conductivity (field):		μS/cm
Damage:	None	Displacement	Undercut		Crushed			Detergents:	0	mg/L
		Corrosion	Cracks/St	tructural D	Damage			Phenol:	0	mg/L

Outfall ID: 15-1889 US1

Major Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1889

Drainage Basin:

Fernau Ave

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130905093528.JPG

Outfall Notes:

Upstream manhole located approx 34 ft WNW of outfall 15-1889. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 488,913 Latitude: 44.06072 Easting: 791,727 Longitude: -88.54288



Inspection	Date: 9	0/5/2013 10:26:45	AM In	spector:	JCW	Inspection	on Type:	Ongoing	Previous Rainfall	(hrs): 7	2+
Flow Descr	iption: S	Submerged, inde	terminate	Notes:						2	-
Submerged:	Partially	Depth (in	ı): 7								
Illicit Disch	arge Pote	ential: Unlikely	☐ Field Follow-up ☐ Office Follow-up						Alexander Control		
Floatables:	None		Petrol.	Sheen [Suds	Sewag	e 🗌 Al	gae 🗌 Oth	er		
Odor:	None		Petrole	um 🗌	Musty	Sewag	e 🗌 C	hlorine 🗌 Oth	er		**
			UVOC/S	olvent [Fishy	Sulfur	☐ Fr	ragrant			05/2013 10:35
Turbidity:	None								Park No.		
Color:	None								0201309	05093540	.JPG
Gross Solids	s: None	;	Litter		Debris	Sedime	ent 🗌	Other	Sampling Results		
Vegetation:	None	;	Inhibite	d 🗌	Excessive	е			Sample Location:	Pool	
Benthic Gro	wth: None	;	Green		Brown				Sample ID:	130905	-70
Stains:	Sligh	t	✓ Flow Li	ne 🗌	Oil	Rust S	tains		Time Collected	10:26	
			Corrosi	on 🗌	Paint	Other			Total Chlorine (field	d):	0 <i>ppm</i>
Non-illicit:	None	;	Natura	Sheen	☐ Natui	ral Suds/Foa	ım		Free Chlorine (field	l):	0 ppm
– Physical I	Condition	Assessment —							Total Copper (field):	0 ppm
									Ammonia (field):		0 ppm
Graffiti:	None								pH (field):	7.7	
Erosion:	None								Temperature (field)	: 7	1 ° <i>F</i>
Deposition		-1 ()							Conductivity (field)	125	6 μS/cm
Damage:	None	Displac	ement 🗌 L	Indercut		Crushed			Detergents:		0 mg/L
		Corrosi	on 🗌 C	racks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 15-1891

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Downstream Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

East Snell Rd

- Dimensions

Diameter (in): 12 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130716081518.JPG

Outfall Notes:

Parkview Ct storm sewer discharges to north ditch of Snell Rd from west.

 ${\bf County\ Coordinates:}\qquad {\bf Latitude/Longitude:}$

Northing: 491,742 Latitude: 44.06848 Easting: 792,216 Longitude: -88.54103



Inspection	Date: 7/16/	2013 9:11:33 AM Ir	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	•	nerged, indeterminate Depth (in): 7		l partially submerged. ned upstream at 15-18				
Illicit Disch	arge Potentia	l: Unlikely	Field F	Follow-up O	ffice Follow-up			
Floatables:	None	Petrol.	Sheen Suds	Sewage Al	gae Other			ı
Odor:	None	☐ Petrole	eum 🗌 Musty	Sewage C	hlorine Other			Į
		UVOC/S	Solvent Fishy	Sulfur Fr	agrant			ĺ
Turbidity:	None							i
Color:	None					0201307160815	522.JPG	
Gross Solids	s: None	Litter	Debris	Sediment	Other	Sampling Results———		_
Vegetation:	None	Inhibite	ed Excessi	ve		Sample Location:		
Benthic Gro	wth: Slight	✓ Green	Brown			Sample ID:		
Stains:	None	☐ Flow L	ine 🗌 Oil	☐ Rust Stains		Time Collected		
		☐ Corros	ion 🗌 Paint	Other		Total Chlorine (field):	ppm	
Non-illicit:	None	☐ Natura	l Sheen	ural Suds/Foam		Free Chlorine (field):	<i>ppm</i>	
– Physical I	Condition Ass	essment —				Total Copper (field):	<i>ppm</i>	
		233ment				Ammonia (field):	<i>ppm</i>	
Graffiti:	None					pH (field):	units	
Erosion:	Minor	Donath (in). 7				Temperature (field):	° <i>F</i>	
Deposition		Depth (in): 7	_			Conductivity (field):	μS/cm	
Damage:	None		Jndercut	Crushed		Detergents:	mg/L	
		Corrosion (Cracks/Structural	Damage		Phenol:	mg/L	

Outfall ID: 15-1891 US1

Minor Outfall - Alternate Location

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1891

Drainage Basin:

East Snell Rd

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130716082022.JPG

Outfall Notes:

Upstream curb inlet located approx 66 ft W of outfall 15-1891. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 491,755 Latitude: 44.06851 Easting: 792,151 Longitude: -88.54128



Inspection Date:	7/16/2013 9:14:01 AM Ir	nspector: JCW In	spection Type:	Ongoing	Previous Rainfall (hrs): 72+	
Flow Description:	Submerged, indeterminate	Notes:			18 /26/		
Submerged: Partiall	lly Depth (in): 8						
Illicit Discharge Pot	tential: Unlikely	Field Follow-	up 🗌 Ot	ffice Follow-up			
Floatables: None	Petrol.	Sheen Suds	Sewage 🗌 Al	gae 🗌 Othe			
Odor: Faint	Petrole	eum Musty	Sewage 🗌 Cl	hlorine Othe			
	U VOC/S	Solvent Fishy	Sulfur 🗌 Fr	agrant		- NT LONG	ANTIC SECTION SECTION
Turbidity: None					200	and the same	Town I
Color: None					0201307160	82028.JF	PG
Gross Solids: Mod	derate Litter	Debris .	Sediment 🗌	Other	- Sampling Results		
Vegetation: Non	ne Inhibite	ed Excessive			Sample Location: Po	ool	
Benthic Growth: Mod	derate	Brown			Sample ID: 13	30716-4	8
Stains: Sligi	ht Flow L	ine Oil	Rust Stains		Time Collected 09	9:15	
	☐ Corros	ion Paint	Other		Total Chlorine (field):	0	ppm
Non-illicit: Mod	derate	l Sheen	ds/Foam		Free Chlorine (field):	0	ppm
Physical Condition	_				Total Copper (field):	0	ppm
					Ammonia (field):	1	ppm
Graffiti: Non					pH (field):	7.24	units
Erosion: Non					Temperature (field):	79	°F
Deposition: Mind					Conductivity (field):	289	μS/cm
Damage: Non	Displacement t	Jndercut Crush			Detergents:	0	mg/L
	Corrosion (Cracks/Structural Damaç	je		Phenol:		mg/L

Outfall ID: 15-1903

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

East Snell Rd

- Dimensions

Diameter (in): 18 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130702094124.JPG

Outfall Notes:

Parkview Ct storm sewer discharges to north ditch of Snell Road from west.

County Coordinates: Latitude/Longitude:

Northing: 491,770 Latitude: 44.06856 Easting: 793,795 Longitude: -88.53502



Inspection Da	ate: 7/2/2013 10:35:06	AM Inspector:	JCW Inspec	ction Type: Ong	going	Previous Rainfall (hrs):	72+
Flow Descript Submerged:	tion: Submerged, inde Partially Depth (in		Outfall partially so screened upstream	•			T
Illicit Dischar	ge Potential: Unlikely		Field Follow-up	Office F	ollow-up		
Floatables: N	one	Petrol. Sheen	Suds Sewa	age 🗌 Algae	Other		No.
Odor: N	one	Petroleum	Musty Sew	age 🗌 Chlorine	e Other		
		☐ VOC/Solvent ☐	Fishy Sulfu	ır 🗌 Fragran	nt		77 72000 10.34
Turbidity: N	one						
Color: No	one					0201307020941	42.JPG
Gross Solids:	Moderate	Litter 🗸 🖸	Debris 🗌 Sedi	ment Other	_5	Sampling Results———	
Vegetation:	None	☐ Inhibited ☐ E	Excessive			Sample Location:	
Benthic Growtl	h: Slight	✓ Green ☐ E	Brown			Sample ID:	
Stains:	Moderate	Flow Line C	Dil Rust	Stains		Time Collected	
		Corrosion F	Paint Othe	·r		Total Chlorine (field):	ppm
Non-illicit:	None	Natural Sheen	Natural Suds/F	oam		Free Chlorine (field):	<i>ppm</i>
— Physical Co	andition Assessment —			7		Total Copper (field):	<i>ppm</i>
Graffiti:	None					Ammonia (field):	<i>ppm</i>
Erosion:	None					pH (field):	units
		6				Temperature (field):	° <i>F</i>
Deposition:	Severe Depth (in):					Conductivity (field):	μS/cm
Damage:	None Displac		Crushed			Detergents:	mg/L
	Corrosi	on Cracks/Stru	uctural Damage			Phenol:	mg/L

Outfall ID: 15-1903 US2 Minor Outfall - Alternate Location Structure Type: Inlet/Catchbasin **Discharge Location:** Downstream Outfall Shape: Manhole/Catchbasin Material: Manhole - concrete City ID: 15-1902 Drainage Basin: East Snell Rd **Dimensions** Diameter (in): Height/Depth (in):

Width (in):

Mapping GPS

Mapping Precison:

☐ Not Physically Located

Photo Not Available

Outfall Notes:

Upstream curb inlet located approx 222 ft W of outfall 15-1903. Intermediate area consists of street right-of-way.

County Coordinates:Latitude/Longitude:Northing:491,788Latitude:44.06861Easting:793,573Longitude:-88.53586



Inspection Date: 7/2/2013 10:42:0	3 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+
Flow Description: Submerged, inc	leterminate Notes:
Submerged: Partially Depth (in): 8
Illicit Discharge Potential: Unlikel	y ☐ Field Follow-up ☐ Office Follow-up
Floatables: None	Petrol. Sheen Suds Sewage Algae Other
Odor: Faint	☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other ☐ VOC/Solvent ☐ Fishy ☑ Sulfur ☐ Fragrant ☐
Turbidity: None	Photo Not Available
Color: None	
Gross Solids: Slight	☐ Litter ☑ Debris ☐ Sediment ☐ Other ☐ Campling Results ☐ Comparing Results ☐ Compari
Vegetation: None	☐ Inhibited ☐ Excessive Sample Location: Pool
Benthic Growth: None	☐ Green ☐ Brown Sample ID: 130702-32
Stains: Slight	▼ Flow Line ☐ Oil ☐ Rust Stains Time Collected 10:40
	☐ Corrosion ☐ Paint ☐ Other ☐ Total Chlorine (field): 0 ppm
Non-illicit: Slight	✓ Natural Sheen Natural Suds/Foam Free Chlorine (field): 0 ppm
Physical Condition Assessment —	Total Copper (field): 0 ppm
	Ammonia (field): 0 ppm
Graffiti: None	pH (field): 7.91 units
Erosion: None	Temperature (field): 73 °F
Deposition: None Depth (in	Conductivity (field): 1061 μ S/cm
Damage: None 🗌 Displa	cement Undercut Crushed Detergents: 0 mg/L
Corro	sion Cracks/Structural Damage Phenol: mg/L

Outfall ID: 15-2295

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

East Snell Rd

- Dimensions

Diameter (in): 12
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130716071838.JPG

Outfall Notes:

CTH A curb inlets discharge to stream via swale on east side of road.

County Coordinates: Latitude/Longitude:

Northing: 491,184 Latitude: 44.06695 Easting: 795,668 Longitude: -88.52789



Inspection Da	ate: 7/16/201	3 8:10:37 AM	Inspector: J	CW Inspec	ction Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Description Submerged:		Depth (in):		pron wet, but no t time of inspect		flow from pipe	H		
Illicit Dischar	ge Potential:	Unlikely	F	ield Follow-up	Off	ice Follow-up			
Floatables: N	lone	Petro	I. Sheen 🗌 S	uds Sew	age 🗌 Alg	jae Other		4	No. William
Odor: N	lone	Petro	leum 🗌 N	lusty 🗌 Sew	age 🗌 Chi	lorine Other			
		U VOC/	Solvent F	ishy 🗌 Sulfu	ır 🗌 Fra	agrant			
Turbidity: N	lone								
Color: N	lone						0201307160718	346.JF	₽G
Gross Solids:	None	Litter	☐ Del	bris 🗌 Sedi	ment 🗌 C	Other	Sampling Results———		
Vegetation:	None	Inhibi	ted 🗌 Exc	cessive			Sample Location:		
Benthic Growt	th: Slight	Gree	n 🗸 Bro	own			Sample ID:		
Stains:	None	Flow	Line 🗌 Oil	☐ Rust	Stains		Time Collected		
		☐ Corro	sion 🗌 Pai	int Othe	er		Total Chlorine (field):		ppm
Non-illicit:	None		al Sheen	Natural Suds/F	oam		Free Chlorine (field):		ppm
– Physical Co	ondition Assessr	ment —			7		Total Copper (field):		ppm
Graffiti:	None	ment					Ammonia (field):		ppm
Erosion:	None						pH (field):		units
Deposition:		Depth (in):					Temperature (field):		°F
Damage:	None -	_ ` ` `					Conductivity (field):		μS/cm
Damaye.	INOTIE	☐ Displacement ☐	Undercut	Crushed			Detergents:		mg/L
		_ Corrosion	Cracks/Struct	tural Damage]		Phenol:		mg/L

Outfall ID: 15-2297

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

East Snell Rd

- Dimensions

Diameter (in): 24 Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

■ Not Physically Located

o20130905101540.JPG

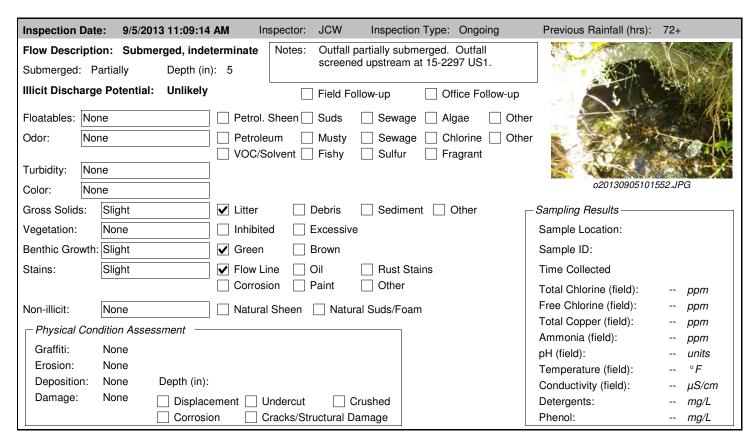
Outfall Notes:

CTH A storm sewer discharges to swale on east side of road. (Formerly A25)

County Coordinates: Latitude/Longitude:

Northing: 491,318 Latitude: 44.06732 Easting: 795,667 Longitude: -88.52790





Outfall ID: 15-2297 US1

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Other

Material:

Manhole - concrete

City ID:

15-2297

Drainage Basin:

East Snell Rd

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130905102910.JPG

Outfall Notes:

Upstream manhole located approx 203 ft WNW of outfall 15-2297. Intermediate area consists of highway right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 491,519 Latitude: 44.06787 Easting: 795,634 Longitude: -88.52802



Inspection	Date: 9/5/	2013 11:25:49 AM	Inspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr	iption: Nor : None	ne Depth (in):		ne damp, but no colled inspection.	ctable flow at		
Illicit Disch	arge Potenti	ial: Unlikely	Field I	Follow-up O	ffice Follow-up	12.00	THE STATE OF THE S
Floatables:	None	☐ Petro	l. Sheen 🗌 Suds	Sewage Al	lgae 🗌 Other		
Odor:	None	Petro	leum Musty	Sewage C	hlorine Other		
		U VOC/	Solvent Fishy	Sulfur Fr	ragrant		The same
Turbidity:	None					1 6	13 17-25
Color:	None					0201309051029	920.JPG
Gross Solid	s: None	Litter	Debris	Sediment	Other	Sampling Results———	
Vegetation:	None	Inhibi	ted Excessi	ve		Sample Location:	
Benthic Gro	wth: None	Gree	n 🗌 Brown			Sample ID:	
Stains:	Slight	✓ Flow	Line Oil	Rust Stains		Time Collected	
		☐ Corro	sion 🗌 Paint	Other		Total Chlorine (field):	ppm
Non-illicit:	None	□ Natur	al Sheen	ural Suds/Foam		Free Chlorine (field):	<i>ppm</i>
	Condition As		a. ooo			Total Copper (field):	ppm
		sessment —				Ammonia (field):	<i>ppm</i>
Graffiti:	None					pH (field):	units
Erosion:	None	5 4 4 5				Temperature (field):	° <i>F</i>
Depositio		Depth (in):				Conductivity (field):	μS/cm
Damage:	None	Displacement	Undercut	Crushed		Detergents:	mg/L
		☐ Corrosion ☐	Cracks/Structural	Damage		Phenol:	mg/L

Outfall ID: 15-2477

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Drainage Basin:

Sherman Rd South

- Dimensions

Diameter (in):

Height/Depth (in): 43

neigni/Depin (iii).

Width (in): 68

Mapping Precison:

Mapping GPS

☐ Not Physically Located

2013 08 14

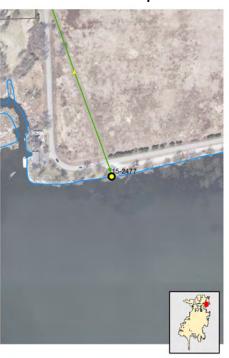
o20130716074026.JPG

Outfall Notes:

Sherman Road storm sewer discharges to Asylum Bay from north.

County Coordinates: Latitude/Longitude:

Northing: 490,793 Latitude: 44.06588 Easting: 797,297 Longitude: -88.52170



Inspection D	Date: 7/16/20	013 8:34:01	AM In	spector:	JCW	Inspecti	on Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri Submerged:	ption: Submo	erged, inde Depth (in		Notes:		partially sub ed upstream	_				
Illicit Discha	arge Potential:	Unlikely			Field Fo	ollow-up	O	ffice Follow-up	WARRED	1	111
Floatables:	None		Petrol.	Sheen [Suds	Sewag	je 🗌 Al	gae 🗌 Othe	er 💮 💮		\ X
Odor:	None		Petrole		Musty	Sewag	je 🗌 Cl	hlorine Othe	er 💮	1	
	None		☐ VOC/S	olvent [Fishy	Sulfur	☐ Fr	ragrant	020130716074	040 .	PG
	None									040.01	u
Gross Solids	: None		Litter		Debris	Sedim	ent 💹	Other	— Sampling Results———		
Vegetation:	None		Inhibite	d	Excessive	Э			Sample Location:		
Benthic Grov	vth: Moderate		✓ Green		Brown				Sample ID:		
Stains:	None		☐ Flow Li	ne 🗌	Oil	Rust S	stains		Time Collected		
			Corrosi	on 🗌	Paint	Other			Total Chlorine (field):		ppm
Non-illicit:	None		Natura	Sheen	Natu	ral Suds/Fo	am		Free Chlorine (field):		ppm
– Physical (Condition Asses	ssment —				1			Total Copper (field):		ppm
Graffiti:									Ammonia (field):		ppm
	None								pH (field):		units
Erosion:	None	Danath (!:-\:	0						Temperature (field):		°F
Deposition		Depth (in):	9						Conductivity (field):		μS/cm
Damage:	None	Displace	ement 🗌 L	Indercut		Crushed			Detergents:		mg/L
		Corrosio	on 🗌 C	racks/St	ructural D	amage			Phenol:		mg/L

Outfall ID: 15-2477 US2

Minor Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-2478

Drainage Basin:

Sherman Rd South

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130716074846.JPG

Outfall Notes:

Upstream manhole located approx 542 ft NNW of outfall 15-2477. Intermediate area consists of grassy field and gravel parking lot.

County Coordinates:

Latitude/Longitude:

Northing: 491,307 Latitude: 44.06729 Easting: 797,123 Longitude: -88.52236



Inspection Da	ate: 7/16/2	013 8:46:08 A	M In:	spector:	JCW	Inspect	ion Type	: Ongoing		Previous Rainfall (hrs): 7	'2+
Flow Descrip Submerged:		erged, indete		Notes:								
Illicit Dischar	•	,	10		Field Fo	ollow-up		Office Follow	v-up			
Floatables: S	Slight	[Petrol.	Sheen	Suds	Sewa	ge 🗸 A	Algae	Other			
Odor: N	lone	[Petrole	um [Musty	Sewa	ge 🗌 C	Chlorine	Other	The state of the s		11/2
_		[VOC/S	olvent [Fishy	Sulfui	F	ragrant		A STATE OF THE STA	07/	A STATE OF THE PARTY OF THE PAR
Turbidity: N	lone											
Color: N	lone									0201307	16074908	3.JPG
Gross Solids:	None		Litter		Debris	Sedin	nent 🗌	Other		Sampling Results —		
Vegetation:	None	[Inhibite	d 🗌	Excessive	е				Sample Location:	Pool	
Benthic Growt	th: None	[Green		Brown					Sample ID:	130716	6-81
Stains:	Slight	[✓ Flow Lii	ne 🗌	Oil	☐ Rust	Stains			Time Collected	08:48	
		[Corrosi	on 🗌	Paint	Other				Total Chlorine (field	d):	0 ppm
Non-illicit:	None		Natural	Sheen	☐ Natu	ral Suds/Fo	am			Free Chlorine (field):	0 ppm
– Physical Co	ondition Asses	ssment —								Total Copper (field)	:	0 ppm
Graffiti:	None	Somon								Ammonia (field):		0 ppm
Erosion:	None									pH (field):	8.0	
Deposition:		Depth (in):								Temperature (field)		30 ° <i>F</i>
Deposition. Damage:	None	_ ' ` '								Conductivity (field):	43	,
Damaye.	NULLE	Displacen	_	ndercut		Crushed				Detergents:		0 mg/L
		Corrosion	n	racks/St	tructural D	amage				Phenol:		mg/L

Outfall ID: 16-1508

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Sawyer Creek

- Dimensions

Diameter (in): 54
Height/Depth (in): 44
Width (in): 72

Mapping Precison:

Mapping GPS

☐ Not Physically Located

10 Table 17 17 18

o20130905113652.JPG

Outfall Notes:

Westfield St storm sewer discharges to stream from south. Replaces outfall 16-487 (2011).

County Coordinates: Latitude/Longitude:

Northing: 477,157 Latitude: 44.02845 Easting: 782,760 Longitude: -88.57695



Inspection	Date: 9/5/2	2013 12:32:55 PM Ir	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	•	merged, indeterminate Depth (in): 28	subme	cant duckweed. Outfa erged. Outfall screene 08 US1.	, ,			C in C
Illicit Disch	arge Potentia	ıl: Unlikely	Field F	Follow-up Of	ffice Follow-up			
Floatables:	None	Petrol.	Sheen Suds	Sewage Al	gae Other		1	
Odor:	None	Petrole	eum 🗌 Musty	Sewage C	nlorine Other		10	
		U VOC/S	Solvent Fishy	Sulfur Fr	agrant			L. J.
Turbidity:	None						2.7	3./ L
Color:	None					0201309051137	702.JF	'G
Gross Solids	s: Moderate	Litter	Debris	Sediment 0	Other	Sampling Results———		
Vegetation:	None	Inhibite	ed Excessi	ve		Sample Location:		
Benthic Gro	wth: Moderate	e Green	Brown			Sample ID:		
Stains:	Moderate	e Flow L	ine 🗌 Oil	Rust Stains		Time Collected		
		☐ Corros	sion 🗌 Paint	Other		Total Chlorine (field):		ppm
Non-illicit:	None		ıl Sheen □ Natı	ural Suds/Foam		Free Chlorine (field):		ppm
- Physical i	Condition Ass	essment —				Total Copper (field):		ppm
Graffiti:	None	cssment				Ammonia (field):		ppm
Erosion:	None					pH (field):		units
		Donth (in):				Temperature (field):		°F
Depositio	None None	Depth (in):				Conductivity (field):		μS/cm
Damage:	None		Jndercut	Crushed		Detergents:		mg/L
		Corrosion (Cracks/Structural	Damage		Phenol:		mg/L

Outfall ID: 16-1508

Inspection Date: 9/27/2012 12:57:	15 PM Inspector:	JCW Inspection Type: Repeat	t Previous Rainfall (hrs): 72+
Flow Description: Submerged, ind	eterminate Notes:	Construction around outfall. Screene	ed
Submerged: Partially Depth (n): 15	upstream at 16-1508 US1.	
Illicit Discharge Potential: Potenti	al	Field Follow-up	ow-up
Floatables: None	Petrol. Sheen	Suds Sewage Algae	Other
Odor: None	Petroleum	Musty Sewage Chlorine	Other
Took Man	VOC/Solvent	Fishy Sulfur Fragrant	1 108/27/2012 1918B
Turbidity: None			o20120927115922.JPG
Color: None		Outside Outside Outside	
Gross Solids: Slight		Debris Sediment Other	Sample Leasting
Vegetation: None		Excessive	Sample Location:
Benthic Growth: Slight		Brown	Sample ID:
Stains: Slight		Dil ☐ Rust Stains Paint ☐ Other	Time Collected
	_		Total Chlorine (field): ppm Free Chlorine (field): ppm
Non-illicit: None	Natural Sheen	Natural Suds/Foam	Total Copper (field): ppm
Physical Condition Assessment			Ammonia (field): ppm
Graffiti: None Erosion: None			pH (field): units
Deposition: Moderate Depth (in	ı: 9		Temperature (field): °F
Damasas None	cement Undercut	Crushed	Conductivity (field): μS/cm Detergents: mg/L
Corros	=	uctural Damage	Detergents: mg/L Phenol: mg/L
		actarar zamago	111g/L
Inspection Date: 5/30/2012 1:02:5	4 PM Inspector:	JCW Inspection Type: Ongoin	g Previous Rainfall (hrs): 72+
Inspection Date: 5/30/2012 1:02:5 Flow Description: Submerged, ind	-	Outfall partially submerged. Outfall s	
•	eterminate Notes:	1 71 5	
Flow Description: Submerged, ind	eterminate Notes:	Outfall partially submerged. Outfall s	creened
Flow Description: Submerged, ind Submerged: Partially Depth (i	eterminate Notes:	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up	creened
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti	eterminate Notes: n): 33 al Petrol. Sheen Petroleum	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up	creened ow-up
Flow Description: Submerged, ind Submerged: Partially Depth (i Illicit Discharge Potential: Potenti Floatables: None Odor: None	eterminate Notes: n): 33 al Petrol. Sheen	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up	ow-up Other
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potential: Potential: Podential: None Odor: None	eterminate Notes: n): 33 al Petrol. Sheen Petroleum	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up	ow-up Other
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potential: Potential: Potential: None Odor: None Turbidity: None Color: None	eterminate Notes: n): 33 al	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up	ow-up Other Other
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potential: Potential: Potential: None Odor: None Turbidity: None Color: None	eterminate n): 33 al Petrol. Sheen Petroleum VOC/Solvent Litter	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up Office Followsub Sewage Algae Musty Sewage Chlorine Fishy Sulfur Fragrant	ow-up Other Other
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	eterminate n): 33 al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited I	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up Office Following Algae Musty Sewage Chlorine Fishy Sulfur Fragrant Oebris Sediment Other	ow-up Other Other Sampling Results
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	eterminate n): 33 al Petrol. Sheen Petroleum VOC/Solvent Litter Inhibited Green	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up	ow-up Other Other Sampling Results Sample Location:
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	eterminate n): 33 al Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Flow Line	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up Office Following Algae Musty Sewage Chlorine Fishy Sulfur Fragrant Debris Sediment Other Excessive Brown	ow-up Other Other Sampling Results Sample Location: Sample ID:
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	eterminate n): 33 al Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Flow Line	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up	ow-up Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	eterminate n): 33 al Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Flow Line Corrosion I	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up	ow-up Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	eterminate n): 33 al Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Flow Line Corrosion I	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up	ow-up Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	eterminate n): 33 al Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Flow Line Corrosion I	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up	ow-up Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	eterminate n): 33 al Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Flow Line Corrosion Notes:	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up	ow-up Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): ppm pH (field): ppm Temperature (field): pf
Flow Description: Submerged, ind Submerged: Partially Depth (in Illicit Discharge Potential: Potent	eterminate n): 33 al Petrol. Sheen Petroleum VOC/Solvent Inhibited Green Flow Line Corrosion Notes:	Outfall partially submerged. Outfall supstream at 16-1508 US1. Field Follow-up	ow-up Other Other Sampling Results Sample Location: Sample ID: Time Collected Total Chlorine (field): ppm Free Chlorine (field): ppm Total Copper (field): ppm Ammonia (field): ppm pH (field): units

Outfall ID: 16-1508 US1

Major Outfall - Alternate Location

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

N/A

Drainage Basin:

Sawyer Creek

- Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130905114406.JPG

Outfall Notes:

Upstream manhole located approx 83 ft SW of outfall 16-487. Intermediate area consists of open space. Replaces 16-487 US1 (2011).

County Coordinates: Latitude/Longitude:

Northing: 477,106 Latitude: 44.02831 Easting: 782,695 Longitude: -88.57720



Inspection	Date: 9/	5/ 2013 12:37:35 PM Ir	spector: JCW	Inspection Type	e: Ongoing	Previous Rainfall (hr	s): 72+	
Flow Descr	iption: Su	ubmerged, indeterminate	Notes: 2012 a	mmonia detection fo	ollow-up.			
Submerged:	Partially	Depth (in): 27				Pes		The Same
Illicit Disch	arge Poter	itial: Unlikely	☐ Field Fo	ollow-up	Office Follow-up			
Floatables:	None	Petrol.	Sheen Suds	Sewage A	Algae 🗌 Other			
Odor:	None	☐ Petrole	eum Musty	Sewage (Chlorine Other			
		UVOC/S	olvent Fishy	Sulfur F	ragrant		narnso	2042 12144
Turbidity:	None						G37037	2013-12-44
Color:	None					020130905	114422.JF	PG
Gross Solids	s: None	Litter	Debris	Sediment	Other	Sampling Results —		
Vegetation:	None	Inhibite	ed Excessiv	е		Sample Location: P	ool	
Benthic Gro	wth: None	Green	Brown			Sample ID: 1	30905-0	3
Stains:	None	☐ Flow L	ine 🗌 Oil	Rust Stains		Time Collected 1	2:35	
		Corros	ion 🗌 Paint	Other		Total Chlorine (field):	0	ррт
Non-illicit:	None		l Sheen □ Natu	ral Suds/Foam		Free Chlorine (field):	0	ppm
		ssessment —				Total Copper (field):	0	ppm
'		is sessifient				Ammonia (field):	0.5	ppm
Graffiti:	None					pH (field):	7.82	units
Erosion:	None	D # (')				Temperature (field):	86	°F
Deposition		Depth (in):				Conductivity (field):	754	μS/cm
Damage:	None	Displacement U	Jndercut (Crushed		Detergents:	0	mg/L
		Corrosion (Cracks/Structural D	amage		Phenol:		mg/L

Outfall ID: 16-1508 US1

Inspection Date: 9/27/2012 12:51:46 PM Inspector: JCW Inspection Type: Repeat	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Notes: Ammonia detection follow-up.	
Submerged: Partially Depth (in): 9	
Illicit Discharge Potential: Potential Field Follow-up Office Follow-up	
Floatables: None Petrol. Sheen Suds Sewage Algae Othe	
Odor: None Petroleum Musty Sewage Chlorine Othe	
□ VOC/Solvent □ Fishy □ Sulfur □ Fragrant	09 27/2012 12:53
Turbidity: None	o20120927115358.JPG
Color: None	020120927115356.JPG
Gross Solids: None	Sampling Results
Vegetation: None Inhibited Excessive	Sample Location: Pool
Benthic Growth: None Green Brown	Sample ID: 120927-48
Stains: None Dil Rust Stains	Time Collected 12:52
☐ Corrosion ☐ Paint ☐ Other	Total Chlorine (field): 0 ppm
Non-illicit: None Natural Sheen Natural Suds/Foam	Free Chlorine (field): 0 ppm
Physical Condition Assessment	Total Copper (field): 0 ppm
Graffiti: None	Ammonia (field): 3 ppm
Erosion: None	pH (field): 7.8 <i>units</i> Temperature (field): 65 °F
Deposition: None Depth (in):	Conductivity (field): 1408 µS/cm
Damage: None Displacement Undercut Crushed	Detergents: 0 mg/L
☐ Corrosion ☐ Cracks/Structural Damage	Phenol: mg/L
	Ü
Inspection Date: 6/6/2012 11:27:15 AM Inspector: JCW Inspection Type: Repeat	Previous Rainfall (hrs): 72±
Inspection Date: 6/6/2012 11:27:15 AM Inspector: JCW Inspection Type: Repeat Flow Description: Submarged indeterminate Notes: Ammonia detection follow-up. Limited	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Notes: Ammonia detection follow-up. Limited	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Notes: Ammonia detection follow-up. Limited screening conducted.	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential Notes: Ammonia detection follow-up. Limited screening conducted. Field Follow-up Office Follow-up	
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential	
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential Petrol. Sheen Suds Sewage Algae Othe Odor: None Petroleum Musty Sewage Chlorine Othe	
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Sewage Algae Othe Odor: None Petroleum Musty Sewage Chlorine Othe VOC/Solvent Fishy Sulfur Fragrant	
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential Petrol. Sheen Suds Sewage Algae Othe Odor: None Petroleum Musty Sewage Chlorine Othe VOC/Solvent Fishy Sulfur Fragrant Turbidity: None	
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential Floatables: None Petrol. Sheen Suds Sewage Algae Othe Odor: None Petroleum Musty Sewage Chlorine Othe Turbidity: None Color: None	05/05/2012 11127 020120606102704.JPG
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential Field Follow-up Floatables: None Odor: None Petrol. Sheen Suds Sewage Algae Othe VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other	o20120606102704.JPG - Sampling Results
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential Field Follow-up Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Algae Othe Odor: None Petroleum Musty Sewage Chlorine Othe VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Vegetation: None Inhibited Excessive	o20120606102704.JPG Sampling Results Sample Location: Pool
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential Field Follow-up Floatables: None Petrol. Sheen Suds Sewage Algae Othe Odor: None Petroleum Musty Sewage Chlorine Othe VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Vegetation: None Benthic Growth: None Green Brown	o20120606102704.JPG Sampling Results Sample Location: Pool Sample ID: 120606-65
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential Field Follow-up Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Algae Othe Odor: None Petroleum Musty Sewage Chlorine Othe VOC/Solvent Fishy Sulfur Fragrant Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Vegetation: None Inhibited Excessive	ozo120606102704.JPG Sampling Results Sample Location: Pool Sample ID: 120606-65 Time Collected 11:25
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential	o20120606102704.JPG Sampling Results Sample Location: Pool Sample ID: 120606-65 Time Collected 11:25 Total Chlorine (field): 0 ppm
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Algae Othe Odor: None Petroleum Musty Sewage Chlorine Other Turbidity: None Color: None Gross Solids: None Litter Debris Sediment Other Vegetation: None Green Brown Stains: None Flow Line Oil Rust Stains Corrosion Paint Other Non-illicit: None Natural Sheen Natural Suds/Foam	ozo120606102704.JPG Sampling Results Sample Location: Pool Sample ID: 120606-65 Time Collected 11:25
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential	o20120606102704.JPG Sampling Results Sample Location: Pool Sample ID: 120606-65 Time Collected 11:25 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential	o20120606102704.JPG -Sampling Results Sample Location: Pool Sample ID: 120606-65 Time Collected 11:25 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): ppm Ammonia (field): 0 ppm pH (field): 8.21 units
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential	o20120606102704.JPG Sampling Results Sample Location: Pool Sample ID: 120606-65 Time Collected 11:25 Total Chlorine (field): 0 ppm Free Chlorine (field): ppm Ammonia (field): 0 ppm pH (field): 8.21 units Temperature (field): 72 °F
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential	o20120606102704.JPG Sampling Results Sample Location: Pool Sample ID: 120606-65 Time Collected 11:25 Total Chlorine (field): 0 ppm Free Chlorine (field): ppm Ammonia (field): 0 ppm Total Copper (field): ppm Ammonia (field): 0 ppm pH (field): 8.21 units Temperature (field): 72 °F Conductivity (field): 1088 µS/cm
Flow Description: Submerged, indeterminate Submerged: Partially Depth (in): Illicit Discharge Potential: Potential	o20120606102704.JPG Sampling Results Sample Location: Pool Sample ID: 120606-65 Time Collected 11:25 Total Chlorine (field): 0 ppm Free Chlorine (field): ppm Ammonia (field): 0 ppm pH (field): 8.21 units Temperature (field): 72 °F

Outfall ID: 16-1508 US1

Inspection	Date: 5/30/2	2012 1:14:06 PM	Inspector: JCW	Inspection	Type: On	going	Previous Rainfall (h	rs): 72+	
Flow Descr	ription: Subn	nerged, indeterminate	Notes:				3.1111	JIH.	
Submerged	: Partially	Depth (in): 29							
Illicit Disch	arge Potentia	: Potential	Field	l Follow-up	Office	Follow-up			
Floatables:	None	☐ Petro	ol. Sheen 🗌 Suds	Sewage	Algae	Other			
Odor:	None		oleum Must	, 0	Chlorin			76	1
Turbidity:	None		/Solvent Fish	y 🗌 Sulfur	Fragra	nt		05/30/	2012 13:14
Color:	None						02012053	0121440.JF	PG
Gross Solid	s: None	Litter	Debris	Sediment	t Othe	r	Sampling Results —		
Vegetation:	None	Inhib	ited	sive			Sample Location:	Pool	
Benthic Gro	wth: None	Gree	n 🗌 Brown				Sample ID:	120530-9	7
Stains:	None	☐ Flow	Line Oil	Rust Stai	ns		Time Collected	13:15	
		☐ Corro	osion	Other			Total Chlorine (field)	: 0	ppm
Non-illicit:	None	☐ Natu	ral Sheen 🔲 Na	atural Suds/Foam			Free Chlorine (field)	: 0	ppm
- Physical	Condition Asse	essment —					Total Copper (field):	0	ppm
		.oomen					Ammonia (field):	1	ppm
Graffiti:	None						pH (field):	7.9	units
Erosion:	None						Temperature (field):	64	° <i>F</i>
Depositio		Depth (in):					Conductivity (field):	1097	μS/cm
Damage:	None	Displacement	Undercut	Crushed			Detergents:	0	mg/L
		☐ Corrosion ☐	Cracks/Structura	al Damage			Phenol:	0	mg/L

Outfall ID: EdgePond1out

Minor Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in):

Height/Depth (in): 14

Width (in): 24

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20130716111222.JPG

Outfall Notes:

Three outlet pipes for detention basin discharge to grassy wetland area.

County Coordinates: Latitude/Longitude:

Northing: 492,642 Latitude: 44.07092 Easting: 779,453 Longitude: -88.58959

Location Map



Inspection Date: 7/16/2013 12:05:35 PM Inspector: **JCW** Inspection Type: Ongoing Previous Rainfall (hrs): 72+ Flow Description: Submerged, indeterminate Notes: No upstream screening location - sample collected from outfall pool. Submerged: Partially Depth (in): 4 Illicit Discharge Potential: Unlikely Field Follow-up Office Follow-up Floatables: None Petrol. Sheen Suds Sewage Other Algae Odor: None Petroleum Musty Sewage Chlorine Other ☐ VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: None o20130716111232.JPG Color: None Gross Solids: None Litter Debris Sediment Other Sampling Results Inhibited Vegetation: None Excessive Sample Location: Pool Benthic Growth: Severe **✓** Green Brown Sample ID: 130716-28 ✓ Flow Line Stains: Slight Rust Stains Time Collected Oil 12:19 Corrosion Paint Other Total Chlorine (field): 0 ppm Free Chlorine (field): mqq Non-illicit: None □ Natural Sheen □ Natural Suds/Foam Total Copper (field): ppm Physical Condition Assessment Ammonia (field): ppm Graffiti: None pH (field): 8.18 units Erosion: None Temperature (field): 82 ۰F Deposition: None Depth (in): Conductivity (field): 780 μS/cm Damage: None Displacement Undercut Crushed Detergents: 0 mg/L Phenol: Corrosion Cracks/Structural Damage mg/L

Outfall ID: EdgePond2in

Supplemental Outfall

Structure Type:

Pond Inlet

Discharge Location:

Non-MS4 Stormwater Facility

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): 18
Height/Depth (in):

Width (in):

Mapping Precison: Mapping GPS

☐ Not Physically Located



o20130716113306.JPG

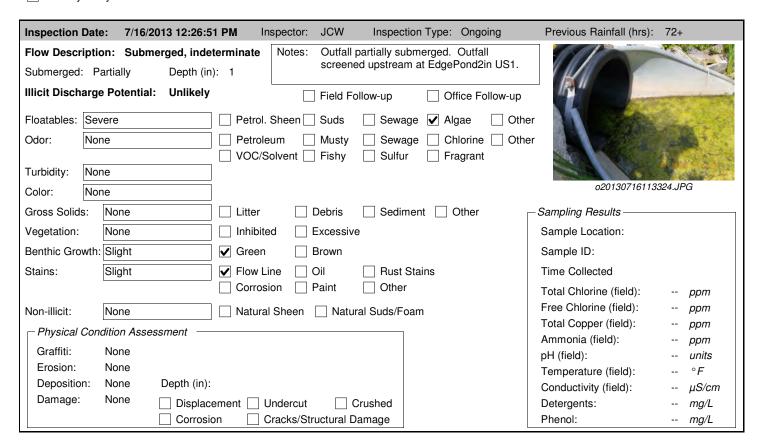
Outfall Notes:

Edgewood Ln ditches discharge to SW corner of detention basin through culvert.

County Coordinates: Latitude/Longitude:

Northing: 492,579 Latitude: 44.07074 Easting: 777,700 Longitude: -88.59626





Outfall ID: EdgePond2in US

Supplemental Outfall - Alternate Location

Structure Type:

Other

Discharge Location:

Downstream Outfall

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Drainage Basin:

Edgewood Lane

- Dimensions

Diameter (in): 18
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20130716113558.JPG

Outfall Notes:

Upstream end of Edgewood Lane culvert that discharges to detention basin.

County Coordinates: Latitude/Longitude:

Northing: 492,562 Latitude: 44.07069 Easting: 777,649 Longitude: -88.59645



Inspection Date: 7/16/2013 12:30	2:11 PM Inspector: JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: None	Notes: Upstream end of pipe dry at time of	Can a Carta Carta
Submerged: None Depth	(in): inspection.	
Illicit Discharge Potential: Unlike	Field Follow-up Office Follow-up	
Floatables: None	Petrol. Sheen Suds Sewage Algae Oth	ner
Odor: None	Petroleum Musty Sewage Chlorine Oth	ner
	☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant	
Turbidity: None		
Color: None		o20130716113606.JPG
Gross Solids: None	Litter Debris Sediment Other	Sampling Results
Vegetation: None	☐ Inhibited ☐ Excessive	Sample Location:
Benthic Growth: None	Green Brown	Sample ID:
Stains: Slight	✓ Flow Line ☐ Oil ☐ Rust Stains	Time Collected
	Corrosion Paint Other	Total Chlorine (field): ppm
Non-illicit: None	☐ Natural Sheen ☐ Natural Suds/Foam	Free Chlorine (field): ppm
☐ Physical Condition Assessment ☐		Total Copper (field): ppm
Graffiti: None		Ammonia (field): ppm
		pH (field): units
Erosion: None		Temperature (field): °F
Deposition: None Depth (in	1):	Conductivity (field): μS/cm
Damage: None Displa	acement Undercut Crushed	Detergents: mg/L
☐ Corro	sion Cracks/Structural Damage	Phenol: mg/L

Outfall ID: FernauPond

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Downstream Outfall

Shape:

Pipe - Circular

Material:

PVC

City ID: N/A

Drainage Basin:

Fernau Ave

- Dimensions

Diameter (in): 18
Height/Depth (in):
Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

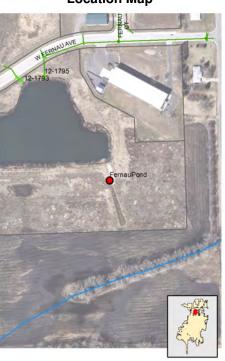
o20130702061548.JPG

Outfall Notes:

Detention basin discharges to stream from north via riprap channel.

County Coordinates: Latitude/Longitude:

Northing: 487,298 Latitude: 44.05628 Easting: 788,533 Longitude: -88.55503



Inspection	Date: 7	7/2/2013 7:12:18 AM	Inspector:	JCW II	nspection Type:	Ongoing	Previous Rainfall (hrs): 72+	+
Flow Descr	iption:	Submerged, slight flo	w Notes:	Sample coll	ected from subn	nerged flow.		all his	
Submerged	: Partially	Depth (in): 3						18	
Illicit Disch	arge Pote	ential: Unlikely		Field Follow	-up 🗌 O	ffice Follow-up		No.	
Floatables:	None		Petrol. Sheen	Suds	Sewage A	gae Othe	r		
Odor:	None		Petroleum	Musty	Sewage C	hlorine Othe	r		
			VOC/Solvent	Fishy	Sulfur	agrant	36		
Turbidity:	None								
Color:	None						0201307020	61552.J	PG
Gross Solid	s: None	·	Litter 🔲 I	Debris 🗌	Sediment	Other	- Sampling Results-		
Vegetation:	None		Inhibited 🗌 I	Excessive			Sample Location: FI	ow	
Benthic Gro	wth: None		Green 🔲 I	Brown			Sample ID: 13	30702-9	93
Stains:	None	·	Flow Line (Oil	Rust Stains		Time Collected 07	7:12	
			Corrosion	Paint	Other		Total Chlorine (field):	0	ppm
Non-illicit:	None	<u></u>	Natural Sheen	☐ Natural S	uds/Foam		Free Chlorine (field):	0	' '
			Natural Officeri	Natural O	ado/i daiii		Total Copper (field):	0	ррт
		Assessment					Ammonia (field):	0	ppm
Graffiti:	None						pH (field):	9.2	units
Erosion:	None						Temperature (field):	72	°F
Depositio		-1 ()					Conductivity (field):	449	μS/cm
Damage:	None	Displacemen	t Undercut	Crush	ned		Detergents:	0	mg/L
		Corrosion	Cracks/Str	uctural Dama	ge		Phenol:	0	mg/L

City of Oshkosh

Outfall ID: FernauPond

Inspection Date	e: 9/2/2009	Inspector: JCW	Inspection Type: Initial	Previous Rainfall (hrs): 72+	
Flow Description	on: None	Notes:			
Submerged: N	one Depth (i	n): 0			
Illicit Discharge	e Potential: Unlikely	Field Fo	ollow-up Office Follow-up		
Floatables:		Petrol. Sheen Suds	Sewage Algae Ott	ner Maria Maria	1
Odor:		Petroleum Musty VOC/Solvent Fishy	Sewage Chlorine Oth	ner	
Turbidity:					16/56
Color:				Osh09_DSCN6298.JPG	
Gross Solids:		Litter Debris	☐ Sediment ☐ Other	Sampling Results	
Vegetation:		☐ Inhibited ☐ Excessive	e	Sample Location:	
Benthic Growth:	Slight	✓ Green ☐ Brown		Sample ID:	
Stains:		Flow Line Oil	Rust Stains	Time Collected	
		☐ Corrosion ☐ Paint	Other	Total Chlorine (field): p	ррт
Non-illicit:	None	☐ Natural Sheen ☐ Natu	ral Suds/Foam	` '	ppm
⊢ Physical Con	dition Assessment —		ppm		
Graffiti:	None			· · ·	ppm
Erosion:	None			-	ınits
Deposition:	None Depth (in)	· 0		- 1 (/	°F
Damage:	None —	_		• • • •	S/cm
Damage.			Crushed		ng/L
	Corros	on Cracks/Structural D	Damage	Phenol: n	ng/L

City of Oshkosh

Outfall ID: OakwoodPondO

Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Drainage Basin:

Sawyer Creek

- Dimensions

Diameter (in): 18 Height/Depth (in):

Mapping Precison:

Mapping GPS

Width (in):

☐ Not Physically Located

o20130730085028.JPG

Outfall Notes:

Detention basin discharges to railroad right-of-way via grass swale.

 ${\bf County\ Coordinates:} \qquad {\bf Latitude/Longitude:}$

Northing: 462,909 Latitude: 43.98934 Easting: 775,247 Longitude: -88.60544

Location Map

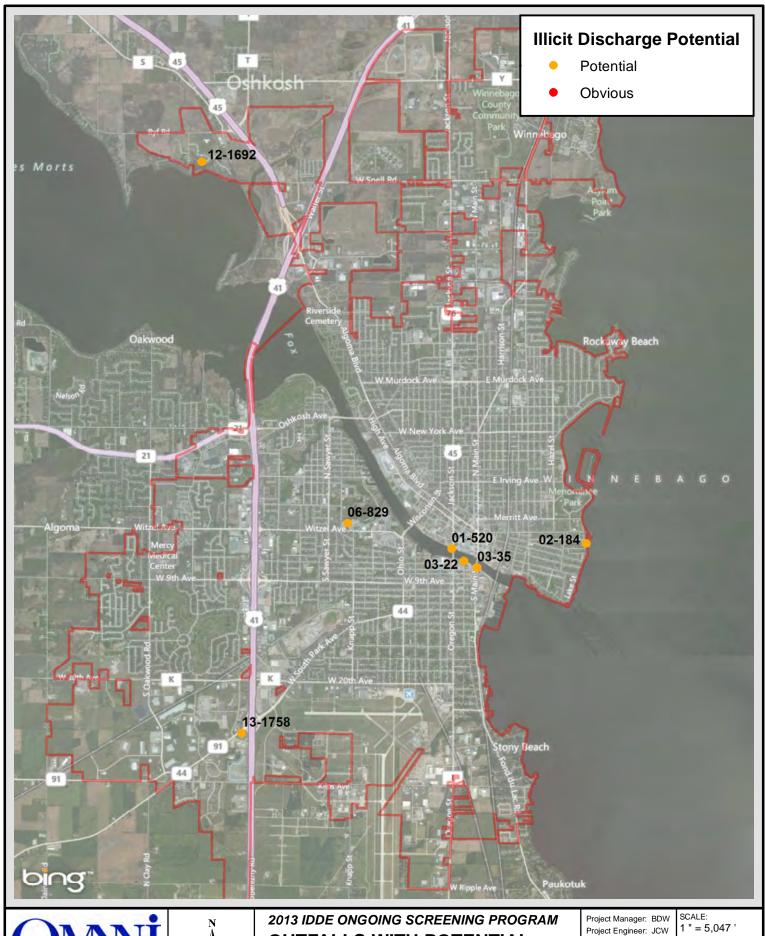


Inspection	Date:	7/30/2013 9:	: 47:56 AM In	spector: Jo	CW Inspec	ction Type:	Ongoing	Previous Rainfall (h	ırs): 72+	
Flow Description: Submerged, inde Submerged: Partially Depth (in			I, indeterminate pth (in): 5		No upstream screening point - sample collected from outfall pool.					
Illicit Discharge Potential: Unlikely			likely	☐ Field Follow-up ☐ Office Follow-up			AN A	NA.		
Floatables:	None	!	Petrol.	Sheen S	uds Sew	age 🗌 Alga	ae 🗌 Othe	r		公13
Odor:	None	l .	Petrole	um 🗌 M	lusty 🗌 Sew	age 🗌 Chlo	orine 🗌 Othe	r		
Turbidity:	None		UVOC/S	olvent 🗌 Fi	ishy 🗌 Sulfu	ır 🗌 Fraç	grant	02012072	0085048.JI	PG
Color:	None	!						02013073	0003040.31	- G
Gross Solid	s: N	lone	Litter	☐ Del	oris 🗌 Sedi	ment 🗌 O	ther	- Sampling Results		
Vegetation:	١	lone	Inhibite	d 🗌 Exc	essive			Sample Location:	Pool	
Benthic Gro	wth: N	Moderate	✓ Green	☐ Bro	wn			Sample ID:	130730-7	4
Stains:	S	Slight	✓ Flow Li	ne 🗌 Oil	Rust	Stains		Time Collected	09:46	
	_		Corrosi	on 🗌 Pai	nt Othe	r		Total Chlorine (field)	: 0	ррт
Non-illicit:	N	lone	☐ Natural	Sheen	Natural Suds/F	oam		Free Chlorine (field):	: 0	ppm
Physical Condition Assessment			nt —				Total Copper (field):	0	ppm	
Graffiti:		lone						Ammonia (field):	0	ppm
								pH (field):	8.46	units
Erosion:		lone	ile (i.e.)					Temperature (field):	72	°F
Depositio			th (in):					Conductivity (field):	804	μS/cm
Damage:		lone 🗌 D	isplacement 🗌 L	Indercut	Crushed			Detergents:	0	mg/L
Corrosic			Sorrosion 🗌 C	on Cracks/Structural Damage			Phenol:	0	mg/L	

Appendix C

Outfall Condition Summary Maps

- C-1 Outfalls with Potential Illicit Discharges
- C-2 Outfalls with Damage
- C-3 Outfalls with Deposition
- C-4 Outfalls with Erosion
- C-5 Outfalls with Graffiti







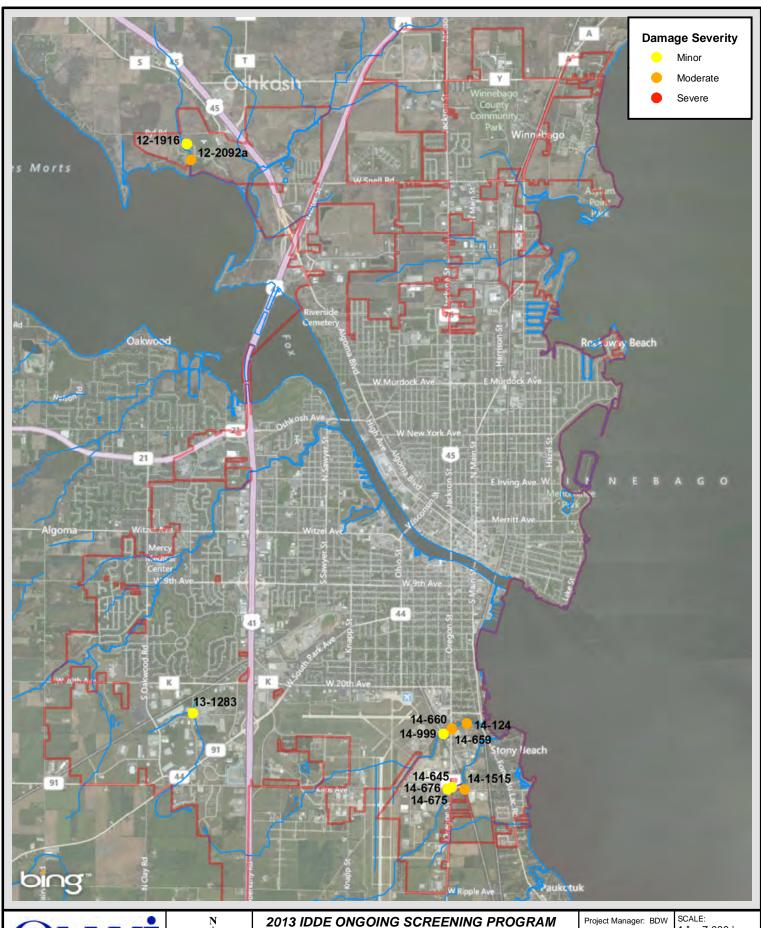
OUTFALLS WITH POTENTIAL ILLICIT DISCHARGES

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN Project Manager: BDW Project Engineer: JCW Drawn By: JCW PChecked By: BDW

T = 5,047 '
PROJECT NO.
N2029B13

Date: 12/3/2013

N2029B13 FIGURE NO. C-1





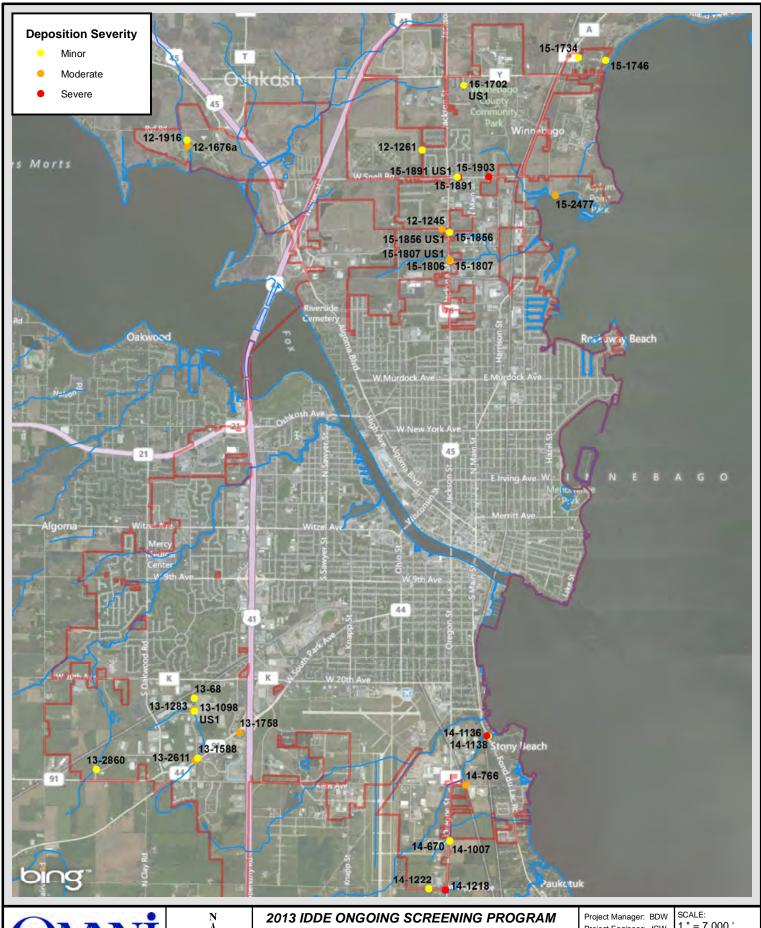


2013 IDDE ONGOING SCREENING PROGRAM OUTFALLS WITH DAMAGE

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN Project Manager: BDW Project Engineer: JCW 1
Drawn By: JCW PChecked By: BDW

SCALE: 1 " = 7,000 ' PROJECT NO. N2029B13

Date: 12/5/2013 FIGURE NO. **C-2**





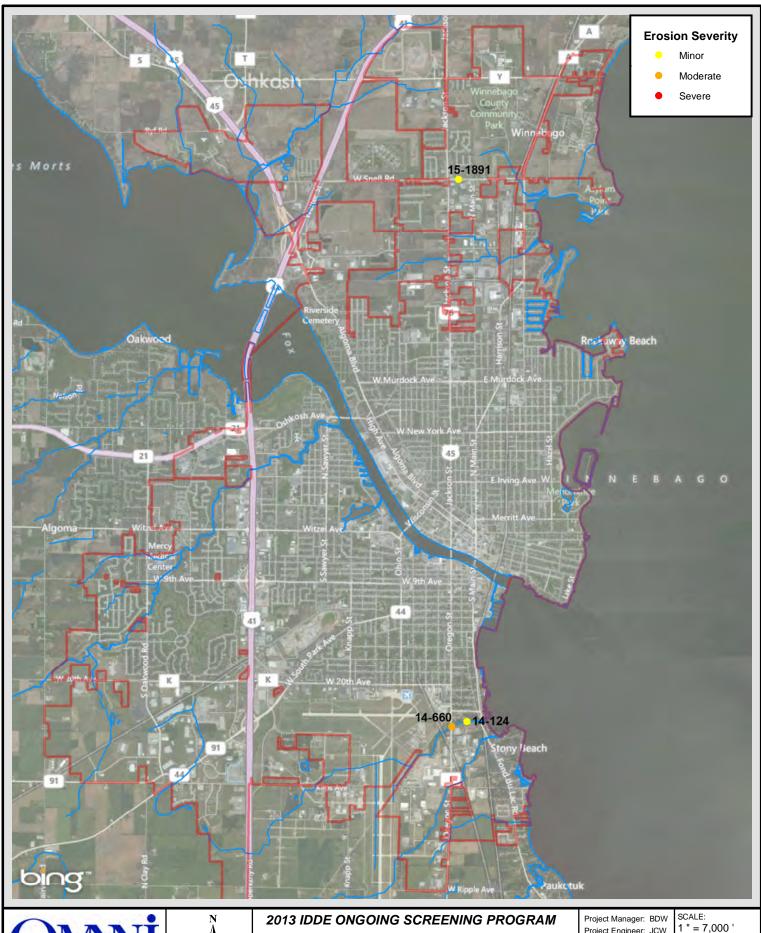


OUTFALLS WITH DEPOSITION

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN Project Manager: BDW Project Engineer: JCW 1
Drawn By: JCW PChecked By: BDW

SCALE: 1 " = 7,000 ' PROJECT NO. N2029B13

Date: 12/3/2013 FIGURE NO. **C-3**







OUTFALLS WITH EROSION

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN

Project Engineer: JCW Drawn By: JCW Checked By: BDW

PROJECT NO. N2029B13

Date: 12/3/2013

FIGURE NO. C-4







OUTFALLS WITH GRAFFITI

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW

PROJECT NO. N2029B13 FIGURE NO.

C-5

Date: 12/3/2013

Appendix D

Illicit Discharge Investigation Reports

- D-1 Upstream Manholes with Significant Floatable Debris
- D-2 02-184 (Legion Place) Investigation
- D-3 12-1692 (Wood Duck Court) Investigation
- D-4 13-1758 (Washburn Street) Investigation









MANHOLES WITH FLOATABLE GROSS SOLIDS

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN Project Manager: BDW 1
Project Engineer: JCW 2
Drawn By: JCW P
Checked By: BDW N

T = 5,047 '
PROJECT NO.
N2029B13

Date: 12/5/2013 FIGURE NO. **D-1**

APPENDIX D-2 02-184 (Legion Place) Investigation

Jason Weis

From: Brian Wayner

Sent: Friday, September 06, 2013 11:52 AM

To: jrabe@ci.oshkosh.wi.us

Cc:Jason WeisSubject:Oshkosh IDDE

Attachments: 13-1716.pdf; Legion.pdf

James,

Jason and I finished up the outfall inspections yesterday. Samples from two of the re-inspections (detections from the previous year) indicated detergent in the stormwater.

The manhole upstream from the pond (13-1716 attachment) had a high detergent detection. We didn't observe water coming from pipe from the carwash. The sample was taken from the water below/adjacent to the carwash pipe discharge. Based on previous inspection work, we assume the detergent came from the carwash even though there was no flow coming from the carwash at the time the sample was collected.

We also had a high detergent detection from a sample collected from the manhole (121206-72) in Legion Place (Legion attachment). There were no notable suds in the lake (this inspection area originated from a lake resident contact last year). The sample collected from the manhole also had a strong septic odor. Our understanding is the storm line in Legion was abandoned, which makes the observed detergent detection and septic odor difficult to explain.

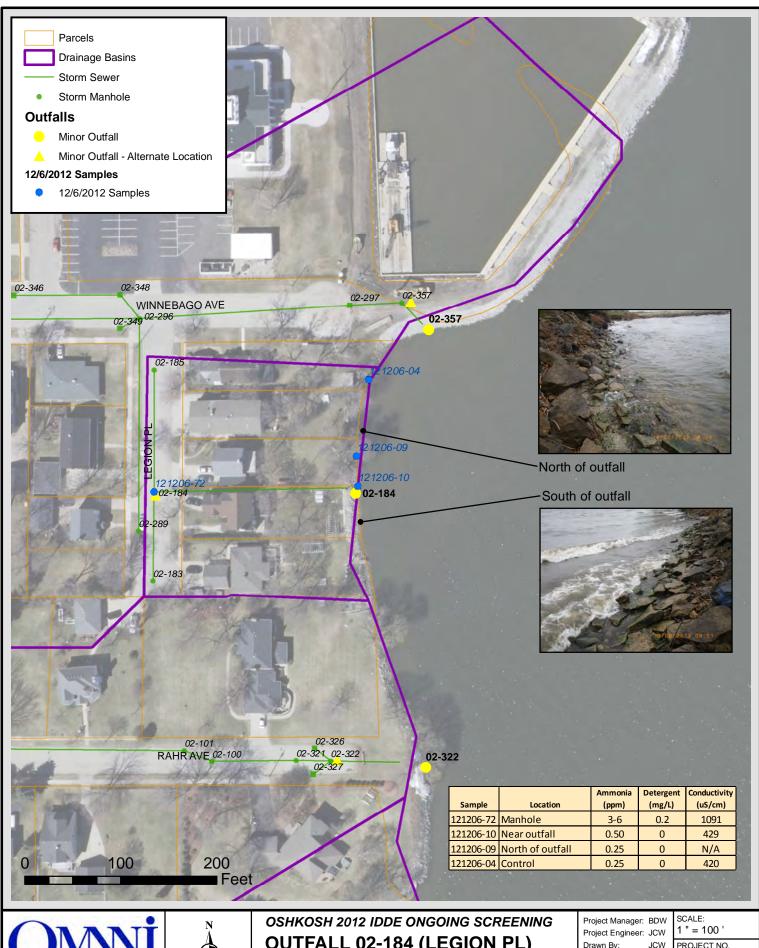
Please note, the attached maps are from last year's inspections. I included them for reference. Jason and I should be in the office on Monday if you want to discuss these finding further.

Have a great weekend!

Brian D. Wayner, P.E. Environmental Manager

OMNNI Associates, Inc.
One N. Systems Drive, Appleton, WI 54914-1654
800.571.6677, 920.830.6141 (D), 920.830.6100 (F)
bwayner@omnni.com

This email is subject to OMNNI Associates, Inc. Electronic File Disclaimer. For full disclaimer see http://www.omnni.com/legal/OMNNI_Email_Disclaimer.pdf







OUTFALL 02-184 (LEGION PL) INVESTIGATION (12/6/2012)

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN

Drawn By: Checked By: BDW

PROJECT NO. N2029B12

Date: 12/6/2012 FIGURE NO.

APPENDIX D-3 12-1692 (Wood Duck Court) Investigation

Jason Weis

From: Jason Weis

Sent: Wednesday, July 17, 2013 4:05 PM **To:** James Rabe (jrabe@ci.oshkosh.wi.us)

Cc: Brian Wayner

Subject: Detergent investigation for outfall 12-1692 (Wood Duck Ct)

Attachments: WoodDuckCt.pdf; 12-1692 US1 071613.JPG; Puddle Wood Duck Court 071713.JPG;

IMGP8807.JPG

James:

While conducting the ongoing screening for outfall 12-1692 (Wood Duck Ct) on Tuesday (7/16), the outfall could not be located due to the thick algae mat on the detention basin. As a result, the screening was conducted at the first upstream manhole (MH 12-1692), located near the center of Wood Duck Ct. The detergent test for the sample that was collected from the submerged pool showed a detergent concentration greater than 1.3 mg/L, which is the upper limit for quantifying the concentration with the color wheel.

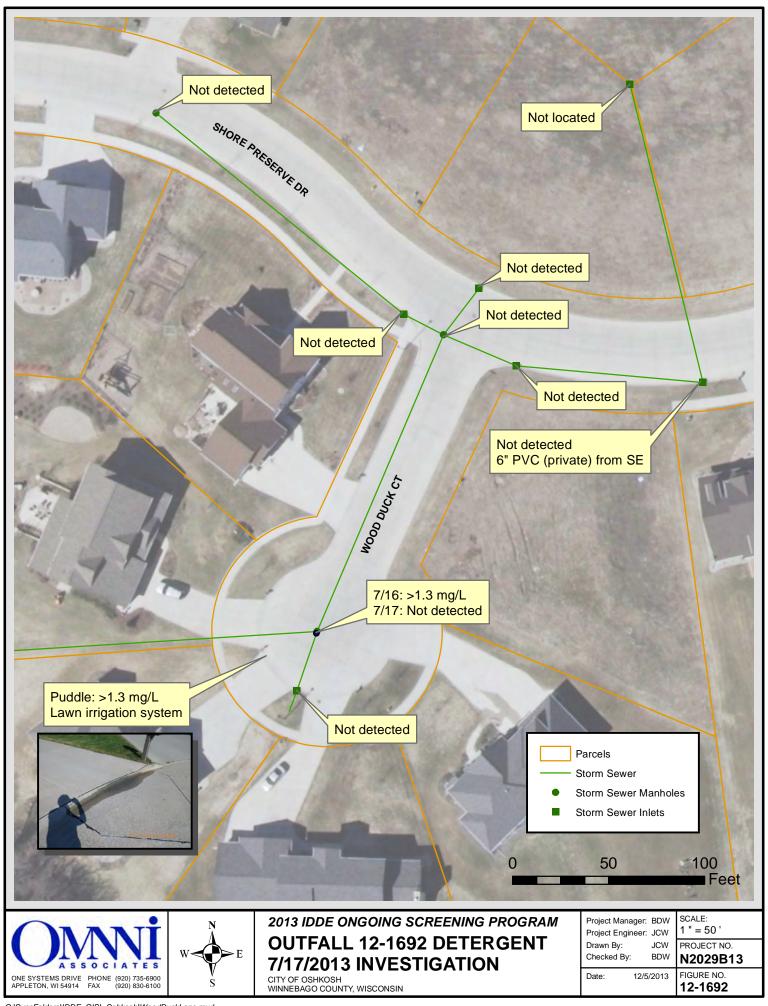
The various inlets and manholes within the drainage basin for the outfall were sampled again today (7/17). All of the manholes and inlets were at least partially submerged. Upon arrival, a puddle was observed at the end of the driveway for 3855 Wood Duck Court. (No puddles were observed during the 7/16 screening.) No detergent was detected in any of the samples from the manholes or inlets. However, the sample from the puddle had a detergent concentration greater than 1.3 mg/L, similar to the 7/16 manhole sample.

Based on the results, it seems likely that the detergent that was detected in the manhole on 7/16 was from the surface runoff from a washing operation by a property owner, possibly washing a car, boat, garbage can, driveway, etc. It did not appear to be entering the system from a pipe, including the 6" PVC pipe inside the inlet by 2355 Shore Preserve Drive. (A sample was collected as the sump pump was discharging.) As such, the source of the detergent would likely be allowed under the MS4 permit.

The City may want to send educational materials about runoff from residential car washing to the residents in the drainage basin. Additionally, since the detention basin was covered with a thick mat of algae, additional information about fertilizer runoff could be helpful.

Unless you determine otherwise, we will consider this investigation closed. In the summary report, we will likely recommend screening this outfall again next year, just to verify that there is not an ongoing issue. If there is anything else that you would like us to do with this outfall, please let me know.

Jason Weis, P.E., CPESC GIS Manager / Municipal Project Manager OMNNI Associates, Inc. (920) 735-6900 (920) 830-6100 FAX jason.weis@omnni.com



APPENDIX D-4 13-1758 (Washburn Street) Investigation

S. Washburn Street Oil Investigation

December 12, 2012

Background

On December 11, 2012, a survey crew for the City of Oshkosh was working along S. Washburn Street, south of STH 44. While surveying storm sewer manhole 13-1743 on the south side of Washburn Street, they encountered an oily substance in the manhole. The manhole had approximately 0.6 feet of water trapped in it, with the oily substance floating on the water surface. The oil coated the survey rod with an opaque black film (Figure 1).



Figure 1 – Oil on survey rod from storm manhole 13-1743

The survey crew notified the City's Illicit Discharge Coordinator (James Rabe) and continued to trace the discharge downstream toward MS4 outfall 13-1758, where the storm sewer discharges to the USH 41 right-of-way. All of the downstream manholes contained oil, as well as the pool at the end of the outfall.

Mr. Rabe contacted OMNNI Associates, Inc. (OMNNI) on the afternoon of December 11 and requested that OMNNI assist with tracing of the discharge and possible identification of the source. OMNNI conducts the outfall inspections for the City's Illicit Discharge Detection and Elimination (IDDE) program, has traced previous illicit discharges in the City.

Investigation

Jason Weis (OMNNI) met the two surveyors from the city at the site of the discharge at 8:00 am on December 12, 2012. The survey crew provided a brief history of their encounter, as well as the general layout of the storm sewer network in the area.

The drainage basin that discharges to this outfall is relatively small – less than 20 acres. It consists of storm sewer inlets in STH 44 that extend approximately 400 feet in both directions from Washburn Street, as well as the storm sewer inlets in Washburn Street for the first 1200 feet south of STH 44. The Washburn Street storm sewer also collects flow from a drainage swale south of Washburn Street, between Quent's Service Center and the former Chief Equipment property on the south side of Washburn Street, and from a private detention basin located in front of the multi-tenant retail building located on the north side of Washburn Street.

The investigation began by inspecting the various manholes in the storm sewer network to identify the extent of the oil contamination. An oil sheen and petroleum odor was observed at the pipe at the end of the drainage swale south of Quent's Service Center. The flow was traced upstream through the drainage swale for approximately 20 feet, at which point no additional surface flow was observed.



Figure 2 – Oil sheen at the end of the drainage swale

A private storm sewer is located in the west parking lot of Quent's Service Center. This storm sewer discharges to the drainage swale from the north. The outfall pipe was located, and was partially blocked by sediment and vegetation. A shallow pool of water was trapped at the end of the pipe. A sample was collected from this pool, and no sheen or odor was observed.



Figure 3 - Private storm sewer outfall in swale

The upstream manholes in the private storm sewer were opened and inspected. Two manholes and one catchbasin were inspected, and were found to be either dry or have minimal pooling with no sheen. No odors or stains were observed in any of the private manholes or catchbasins south of Quent's Service Center.

The branch of storm sewer along STH 44 south of Washburn Street was inspected. Based on the survey crew's activities on December 11, it was known that this branch entered manhole 13-1724 above the water level in the manhole. Manhole 13-2584 was inspected, and no sheen or stains were observed. A petroleum odor was present, but it was determined that this was likely venting from downstream manholes. Based on the observations in manhole 13-2584, it was determined that the discharge was not coming from this branch of the storm sewer.



Figure 4 - Clean flow in manhole 13-2584

The branch on Washburn Street was investigated next. The manhole on the upstream end (13-1754) was inspected and found to be dry with no petroleum stains or odor. The next manhole (13-1749) was slightly submerged, and the flow appeared to be heading to the west (downstream). The flow entering from the east appeared to have a slight sheen, but did not have the dark, oily appearance that was observed at the end of the drainage swale.



Figure 5 - No flow in manhole 13-1754



Figure 6 – Slight sheen in manhole 13-1749

The pond in front of the multi-tenant retail building on the north side of Washburn Street was inspected next. The building houses three tenants: 2nd Wind Exercise Equipment, Skiers Outlet and Golfers Outlet. The front parking lot for this building sheet flows into the detention pond. One PVC pipe was located on the north side of the pond, which appears to come from inside the building (i.e., roof drains). No catchbasins, inlets, or other private storm sewer were identified on the property.



Figure 7 – Detention pond inlet pipe

An oil sheen was observed on the surface of the detention pond. Near the inlet pipe, the sheen appeared to consist of clear oil droplets. Near the pond's outlet pipe, near manhole/inlet 13-1743, the oil sheen was more opaque. The pond is likely designed to discharge to the storm sewer in Washburn Street. However, due to the partially-submerged condition at the outfall and the backed-up water in the storm sewer, the pond surface was at the same level as the storm sewer flow, and the water was free to flow between the storm sewer and the pond based on wind and other influences on flow.



Figure 8 – Detention pond outlet pipe

The junction of the detention pond and drainage swale with the storm sewer is located at manhole/inlet 13-1743. This inlet was inspected, and the opaque oil sheen observed in the drainage ditch was also observed in this inlet. No obvious source of the oil was identified, but there appeared to be a slight flow to the west (downstream).



Figure 9 – Detention pond outlet pipe connection to manhole 13-1743



Figure 10 – Drainage swale pipe connection to manhole 13-1743

A water sample was collected from this manhole. The water was ten inches deep, with an opaque film on the surface. The oily substance coated the sample pole and sample bottle. A strong petroleum odor was present.



Figure 11 – Sample collected from manhole 13-1743

The remaining manholes between manhole 13-1743 and the outfall were inspected, and the oily substance was observed in each manhole. The inspection at manhole 13-1724 confirmed that the flow entering from the southwest branch did not contain oil.



Figure 12 – Pipe from southwest branch entering manhole 13-1724 above the water level

Outfall 13-1758 was located in the USH 41 right-of-way, south of the southbound on-ramp. The outfall pipe was approximately 90% submerged. The pool at the end of the outfall pipe had a brown-black opaque sheen with a strong petroleum odor, similar to the upstream manholes.



Figure 13 – Pool at end of outfall 13-1758

After leaving the outfall, the flow traveled northeast approximately 50 feet through a grass swale. A sheen was observed on this flow. The flow then entered a concrete culvert that traveled under STH 44 and discharged on the north side of STH 44. A dark sheen was observed on both the upstream and downstream ends of this culvert.



Figure 14 – Sheen on pool in upstream end of STH 44 culvert



Figure 15 – Sheen on pool in downstream end of STH 44 culvert

The stains on the downstream culvert apron showed that the oil level had once been 4 to 5 inches higher than the present level.

After leaving the STH 44 culvert, the flow traveled north along the USH 41 off-ramp ditch. The flow was traced for approximately 45 feet past the end of the culvert, at which point no surface flow was visible. The survey crew placed a pair of lath at the estimated downstream extent of the flow.



Figure 16 - Downstream extent of oil sheen

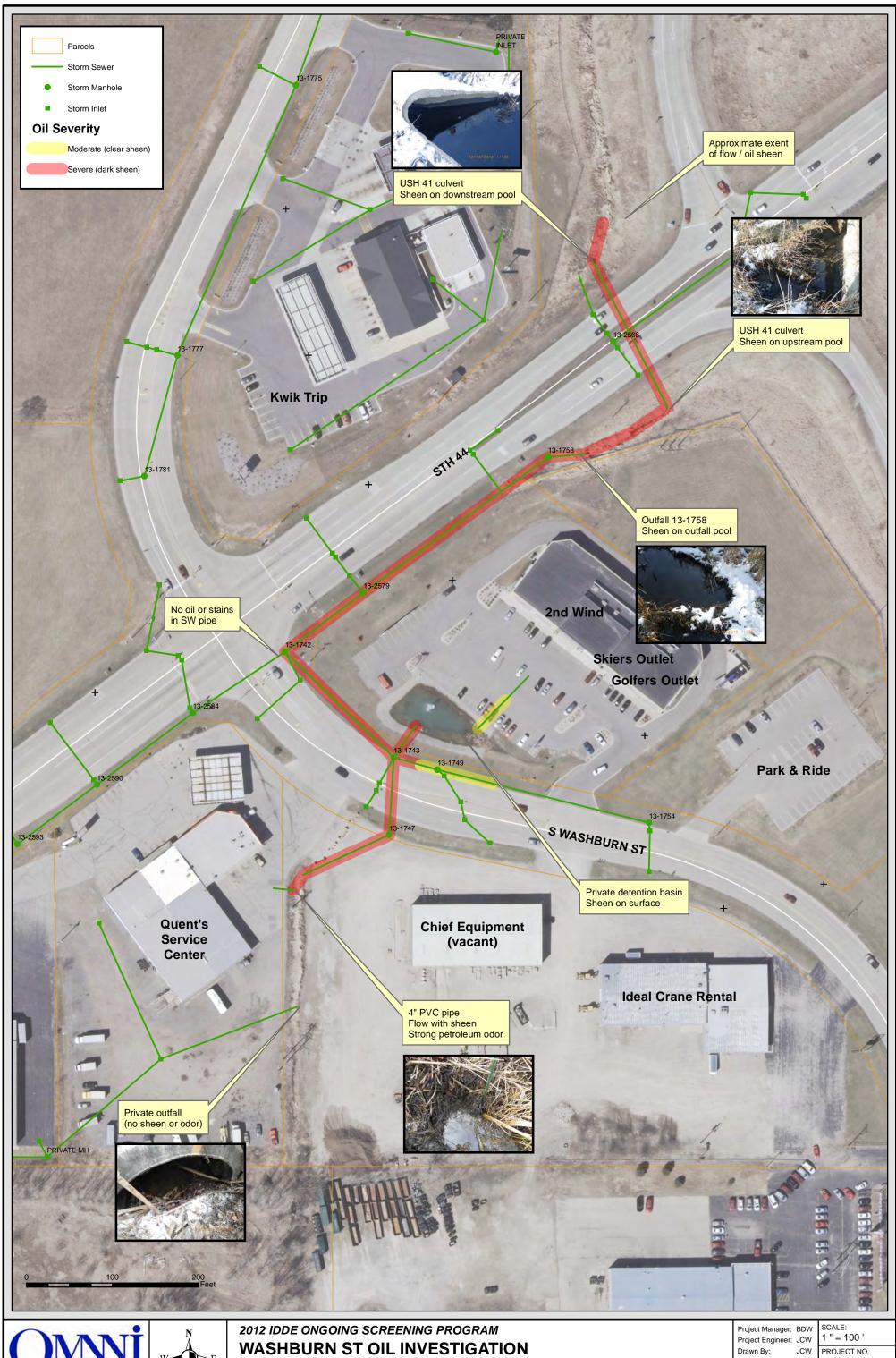
Based on the observations in the upstream manholes, the most likely source for the oil appeared to be the drainage swale south of Quent's Service Center. Starting at the downstream end of the swale, the surface flow was traced back up through the grass in the swale. Approximately 20 feet upstream from the end of the swale, the surface flow appeared to intensify from the north side of the swale. A metal fence post was located, which sometimes marks the location of a pipe. The area around the fence post was probed with a shovel, and a 4-inch PVC pipe was located. The pipe appeared to come from Quent's Service Center. When the area around the end of the pipe was cleared with the shovel, the pipe appeared to discharge the oily substance, which quickly flooded the area and submerged the pipe. Based on the appearance of the discharge and the strong odor that was present with the new discharge, this 4-inch PVC was identified as a probable source. The location of the pipe was marked with a lath, and the Illicit Discharge Coordinator was informed of the discovery.



Figure 17 – 4-inch PVC pipe from Quent's Service Center (submerged)

OMNNI left the site at approximately 12:15 pm.

Mr. Rabe investigated the site during the afternoon of December 12, 2012. Due to the severity of the contamination, he contacted the Fire Chief and asked to have the Hazardous Materials Response team deploy oil containment booms in the area. The Fire Chief spoke with the owner of Quent's Service Center, who identified the PVC pipe as their sump pump discharge line. After investigating the inside of the building, oil was observed on the surface of the sump pit. The Fire Department will follow up with Quent's Service Center on December 13.







WASHBURN ST OIL INVESTIGATION 12/12/2012

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN

Drawn By: JCW Checked By: BDW N2029B12 FIGURE NO.

State of Wisconsin DEPARTMENT OF NATURAL RESOURCES Northeast Region Headquarters 2984 Shawano Avenue Green Bay WI 54313-6727 2012 SPOE FILE

Scott Walker, Governor Cathy Stepp, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 FAX 920-662-5197 TTY Access via relay - 711



December 27, 2012

RECEIVED

JAN 0 2 2013

Mr. Mark Gerlach Quent's Service Center 2167 State Road 44 Oshkosh, WI 54904

DEPT, OF PUBLIC WORKS OSHKOSH, WISCONSIN

Subject:

Reported Contamination at Quent's Service Center

2167 State Road 44, Oshkosh, WI BRRTS Activity # 03-71-559773

Dear Mr. Gerlach:

On December 12, 2012, the Wisconsin Department of Natural Resources (WDNR) was notified via the Spills Electronic Report and Tracking System that a petroleum contamination spill had occurred at the site described above.

Based on the information that has been submitted to the WDNR regarding this site, we believe you are responsible for investigating and restoring the environment at the above-described site under Section 292.11, Wisconsin Statutes, known as the hazardous substances spills law.

This letter describes the legal responsibilities of a person who is responsible under Section 292.11, Wis. Stats., explains what you need to do to investigate and clean up the contamination, and provides you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the WDNR, Department of Safety and Professional Services (DSPS) or the Department of Agriculture, Trade and Consumer Protection (DATCP).

Legal Responsibilities:

Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11 (3) Wisconsin Statutes, states:

• RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Code chapters NR 700 through NR 749 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:

The longer contamination is left in the environment, the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies



BRRTS #: 03-71-559773

with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. These are the first steps to take:

1. Within the next **30** days, by January 25, 2013, you should submit <u>written</u> verification (such as a letter from the consultant) that you have hired an environmental consultant. If you do not take action within this time frame, the WDNR may initiate enforcement action against you.

2 of 3

 Within the next 60 days, by February 25, 2013, your consultant should submit a work plan and schedule for the investigation. The consultant must comply with the requirements in the NR 700 Wis. Adm. Code rule series and should adhere to current WDNR technical guidance documents.

In addition, within 30 days of completion of the site investigation, your consultant should submit a Site Investigation Report to the WDNR or other agency with administrative authority.

For sites with petroleum contamination, when your investigation has established the degree and extent of contamination, your consultant will be able to determine whether the Department of Safety and Professional Services or the WDNR has authority over the case. For agrichemicals, your case will be transferred to the Department of Agriculture, Trade and Consumer Protection for oversight.

Sites where discharges to the environment have been reported are entered into the Bureau for Remediation and Redevelopment Tracking System (BRRTS), a version of which appears on the WDNR's internet site. You may view the information related to your site at any time (http://dnr.wi.gov/botw/SetUpBasicSearchForm.do) and use the feedback system to alert us to any errors in the data.

If you want a formal written response from the department on a specific submittal, please be aware that a review fee is required in accordance with ch. NR 749, Wis. Adm. Code. If a fee is not submitted with your reports, you should proceed under the advice of your consultant to complete the site investigation and cleanup to maintain your compliance with the spills law and chapters NR 700 through NR 749. Do not delay the investigation of your site by waiting for an agency response. We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative rules and should be able to answer your questions on meeting cleanup requirements.

All correspondence regarding this site should be sent to:

Kevin McKnight
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
625 E County Rd Y, Suite 700
Oshkosh, WI 54901-9731
Kevin.McKnight@Wisconsin.Gov

Unless otherwise requested, please send only one hard copy of plans and reports. In addition to the paper copy, an electronic copy may also be submitted to assist the WDNR with site evaluation and discussions. A hard copy of any attachments sent electronically must be submitted for the information to be included in the site file, regardless of size. To speed processing, correspondence should reference the BRRTS number shown at the top of this letter.

Site Investigation and Vapor Pathway Analysis

As you develop the site investigation workplan, we want to remind you to include an assessment of the vapor intrusion pathway. Chapter NR 716, Wisconsin Administrative Code outlines the requirements for investigation of contamination in the environment. Specifically, s. NR 716.11(3)(a) requires that the field investigation determine the "nature, degree and extent, both areal and vertical, of the hazardous substances or environmental pollution in all affected media". In addition, section NR 716.11(5) specifies that the field investigation include an evaluation of the "pathways for migration of the contamination, including drainage improvements, utility corridors, bedrock and permeable material or soil along which vapors, free product or contaminated water may flow".

You will need to include documentation with the Site Investigation Report that explains how the assessment was done. If the pathway is being ruled out, then the report needs to provide the appropriate justification for reaching this conclusion. If the pathway cannot be ruled out, then investigation and, if appropriate, remedial action must be taken to address the risk presented prior to submitting the site for closure. The WDNR has developed guidance to help responsible parties and their consultants comply with the requirements described above. The guidance includes a detailed explanation of how to assess the vapor intrusion pathway and provides criteria which identify when an investigation is necessary. The guidance is available at: http://dnr.wi.gov/files/pdf/pubs/rr/RR800.pdf.

Additional Information for Site Owners:

We encourage you to visit our website at http://dnr.wi.gov/topic/Brownfields/, where you can find information on selecting a consultant, financial assistance and understanding the cleanup process. You will also find information there about liability clarification letters, post-cleanup liability and more.

Information to help you select a consultant, materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method are enclosed. In addition, Fact Sheet 2 – Voluntary Party Remediation and Exemption from Liability is enclosed and provides information on obtaining protection of limited liability under s. 292.15, Wis. Stats.

If you have questions, call Kevin McKnight (920) 424-7890 for more information or visit the RR web site at the address above.

Thank you for your cooperation.

Sincerely, Diane E Hansen

Diane E. Hansen

Remediation & Redevelopment Program

Enclosures:

- 1. Remediation & Redevelopment Program
- 2. Environmental Contamination The Basics
- 3. Selecting an Environmental Consultant
- 4. Environmental Services Contractor List
- 5. Fact Sheet 2, VPLE
- 6. CLEAN Pub-RR-788
- 7. Information about PECFA

cc: James Rabe, City of Oshkosh, 215 Church St, Oshkosh, WI 54902-1130 Kevin McKnight - DNR, Oshkosh