

# 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](http://www.omnni.com)

**OMNNI Project Number N2029B13**

**February 20, 2014**

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## **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.
2. 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 ILICIT 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 ***ILICIT 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

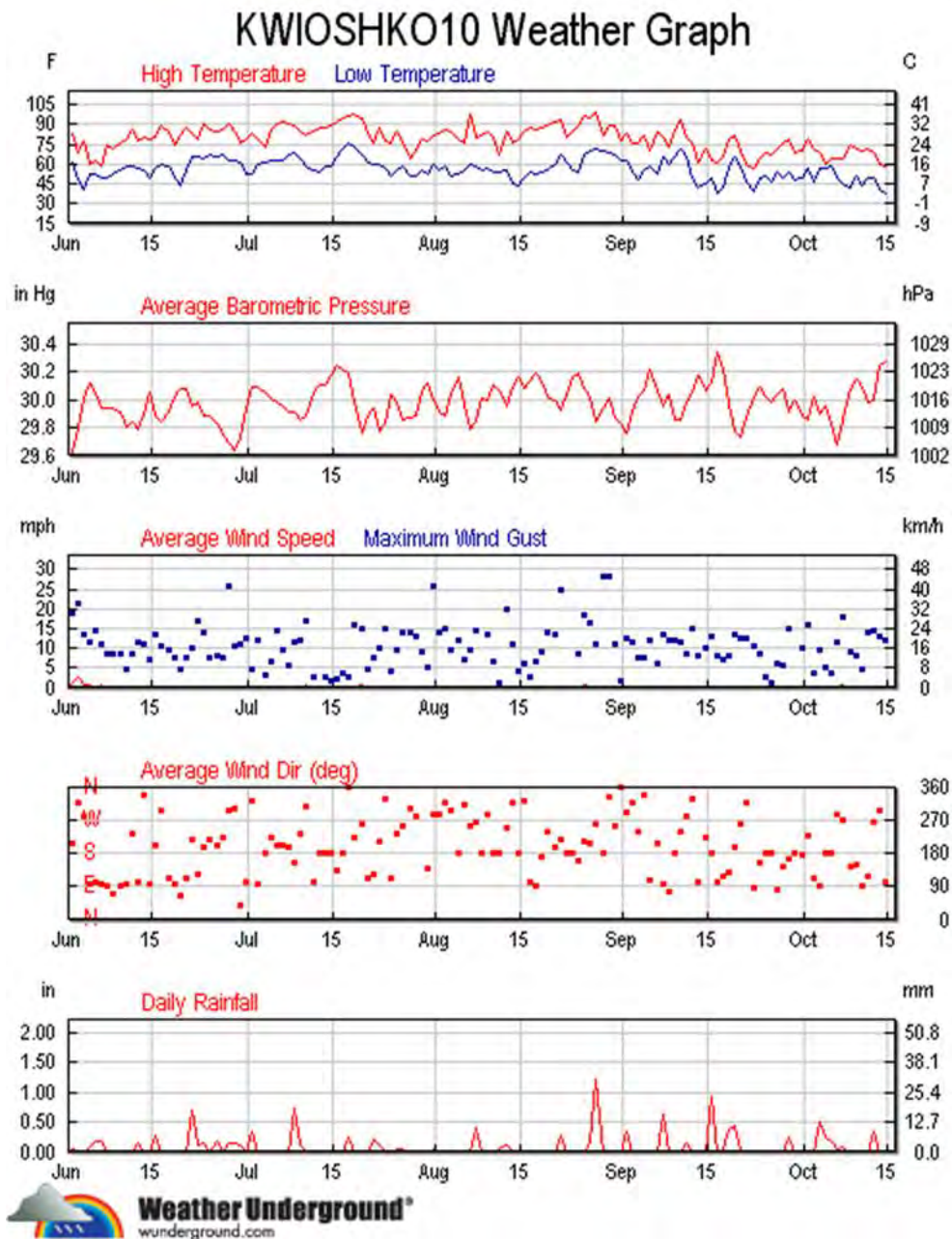
Weather data was obtained from the Weather Underground website. Personal weather station KWIOSHKO10 (“Northeast Oshkosh”) is located near the intersection of Nicolet Avenue and Bowen Street in the City of Oshkosh. The conditions at this weather station were considered representative of the weather in 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**

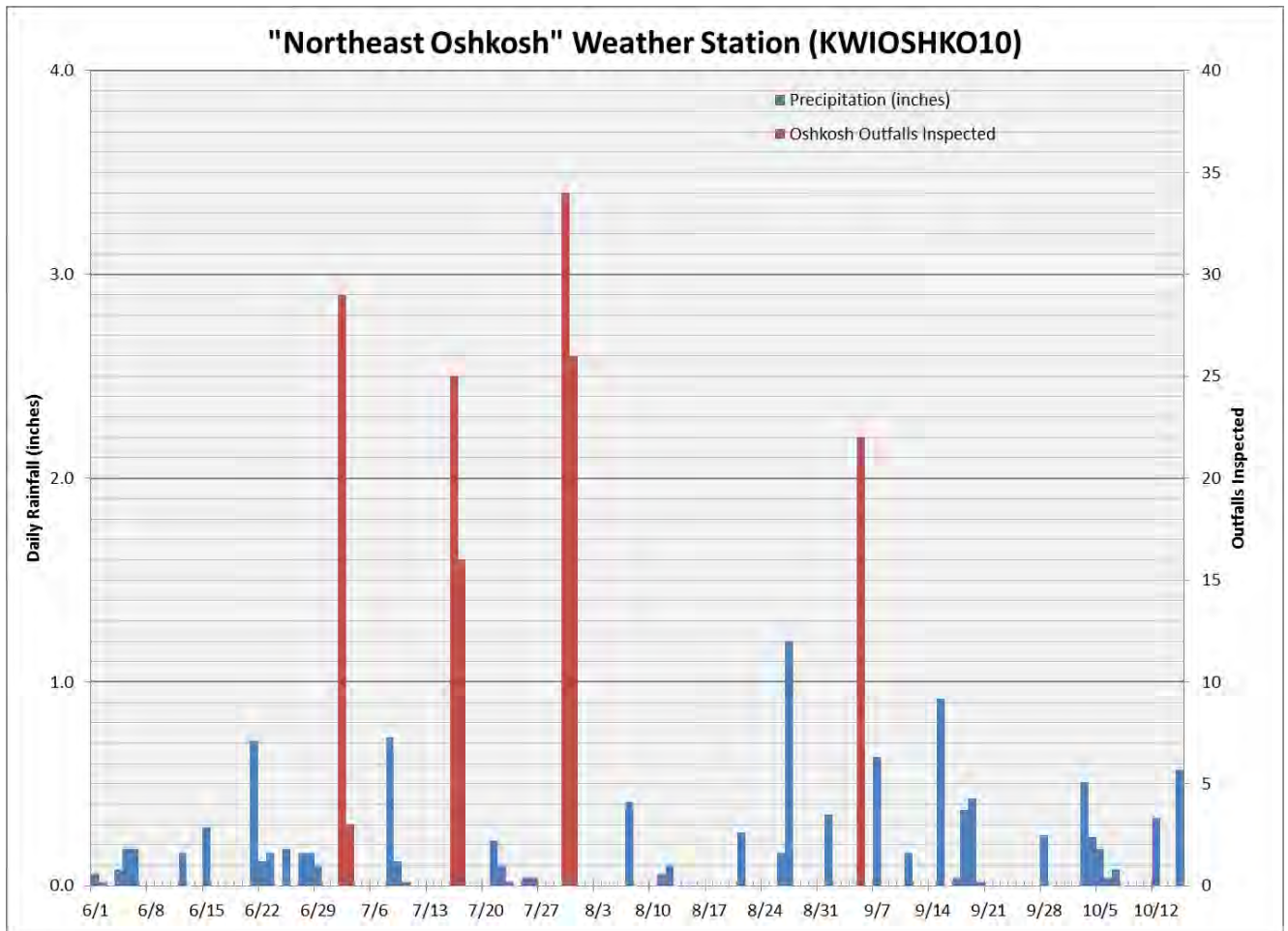
The weather history from June 1 through October 15 from this weather station is shown in Figure 2.





**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

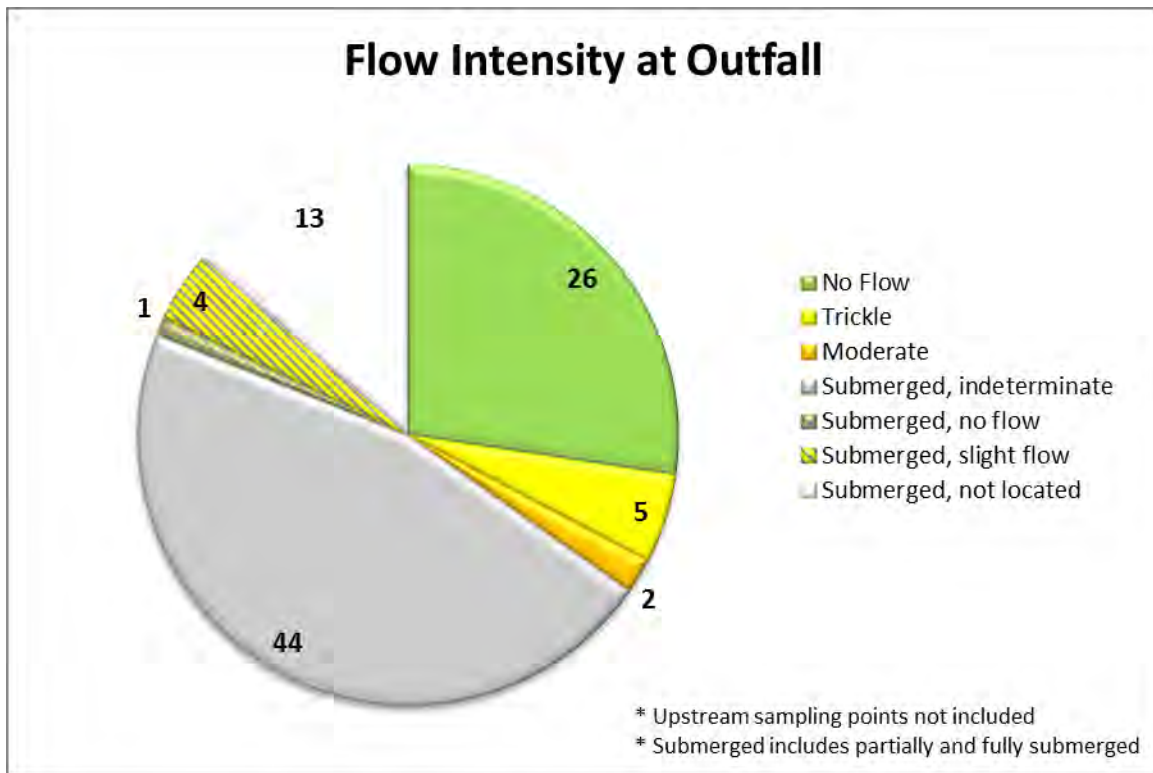
To meet the requirement of dry weather screening, outfalls were typically screened at least 72 hours after the previous runoff-producing rainfall event. Despite this time period, 7 of the 95 inspected outfalls had dry weather flow, as described below:

**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.)

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



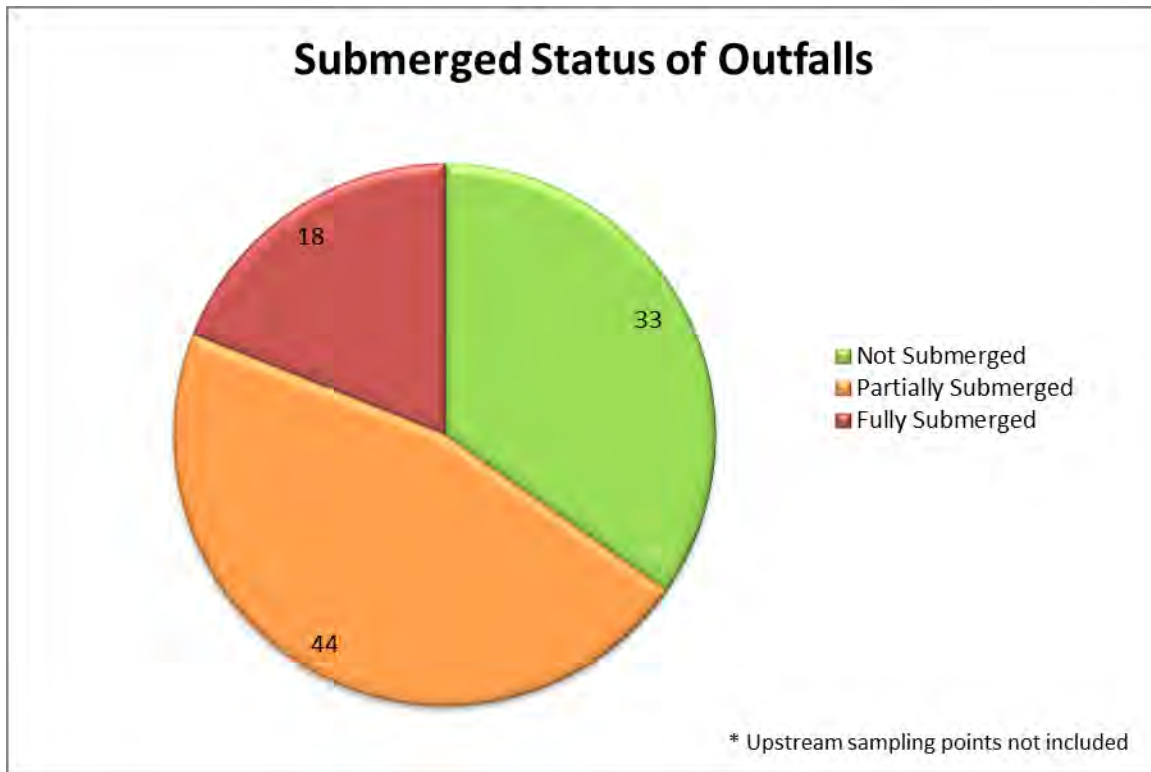
**Figure 4 - Flow intensity at outfall**

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

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

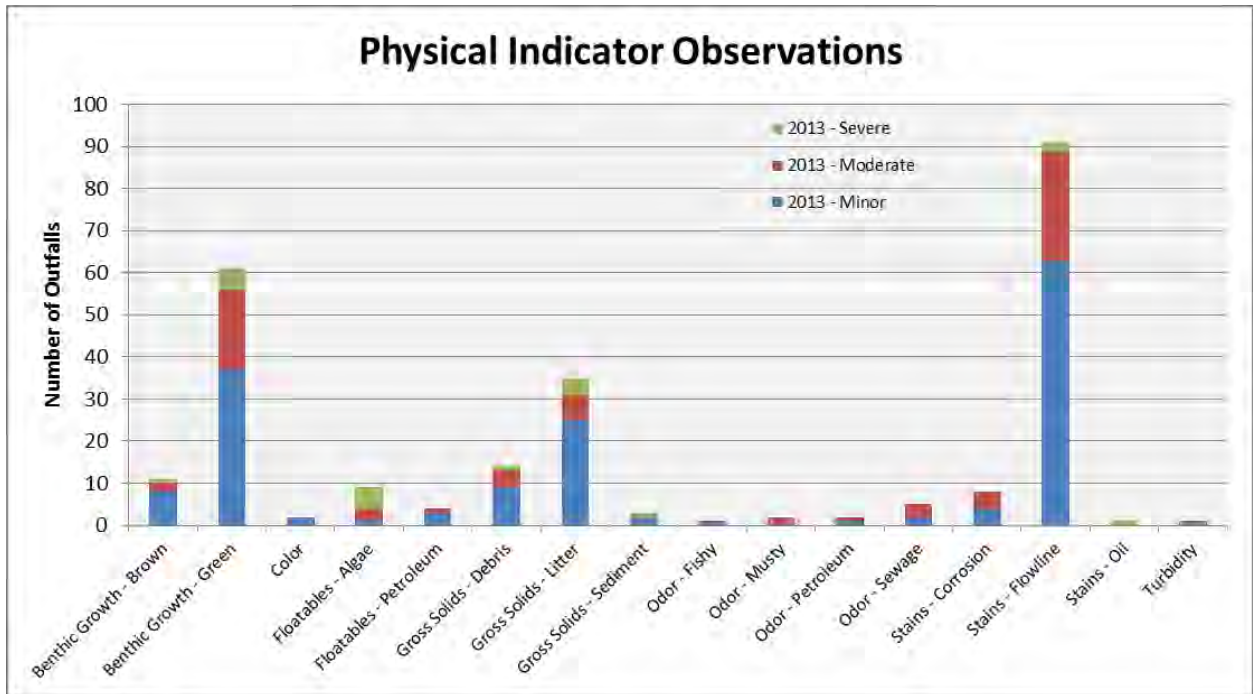
### **Observed Conditions**

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.

## **pH**

### *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.

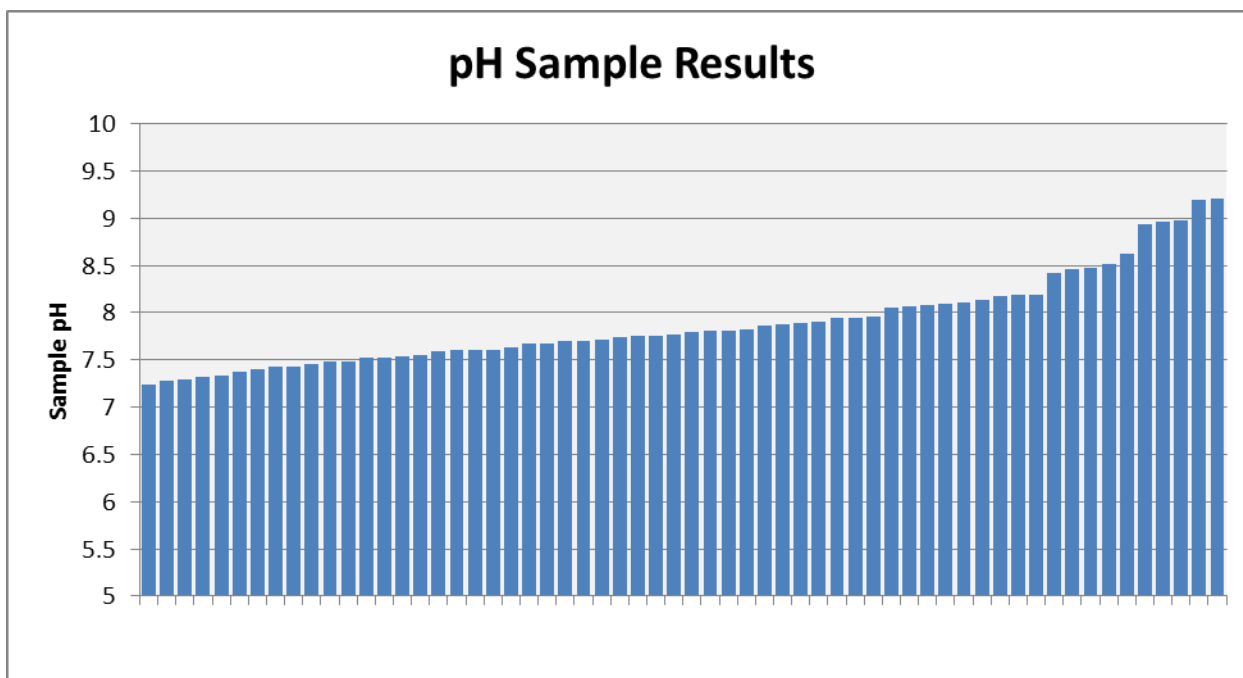
The typical pH range for stormwater runoff is from 6.0 to 9.0. Samples with a pH lower than 6.0 or higher than 9.0 would be suspect for illicit discharges. Possible sources of high or low pH include industrial discharges and concrete truck washout.

### *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.

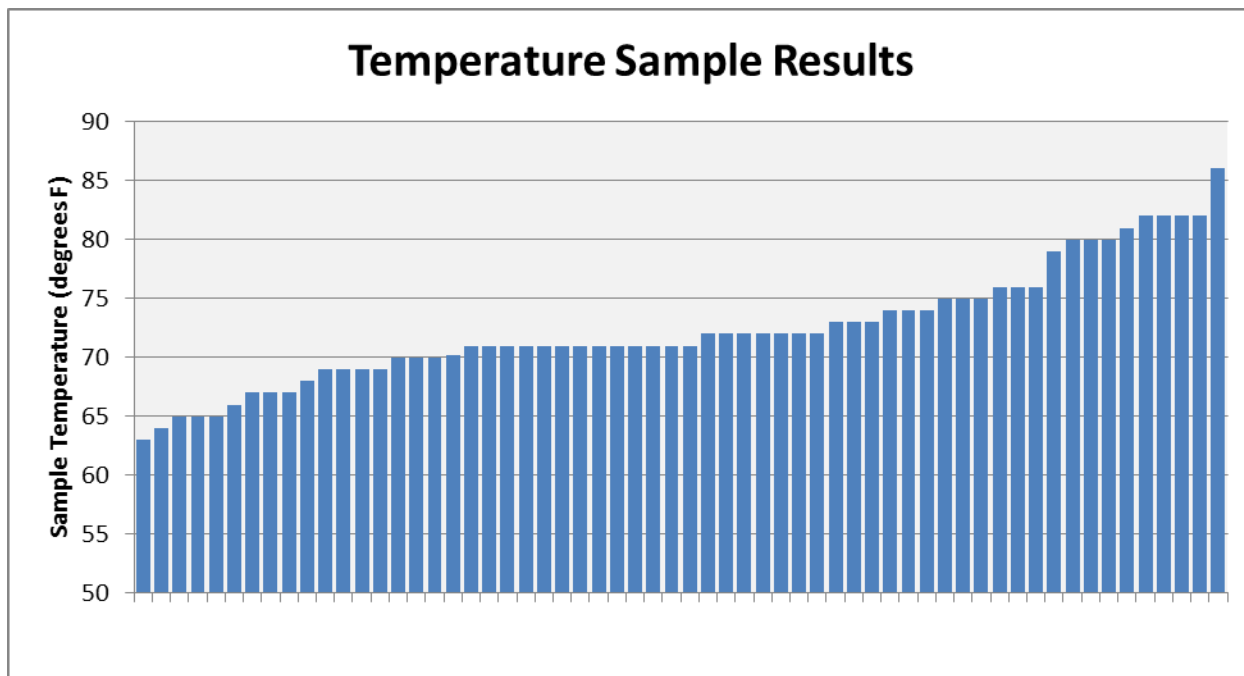
### *Testing Method*

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 °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.



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

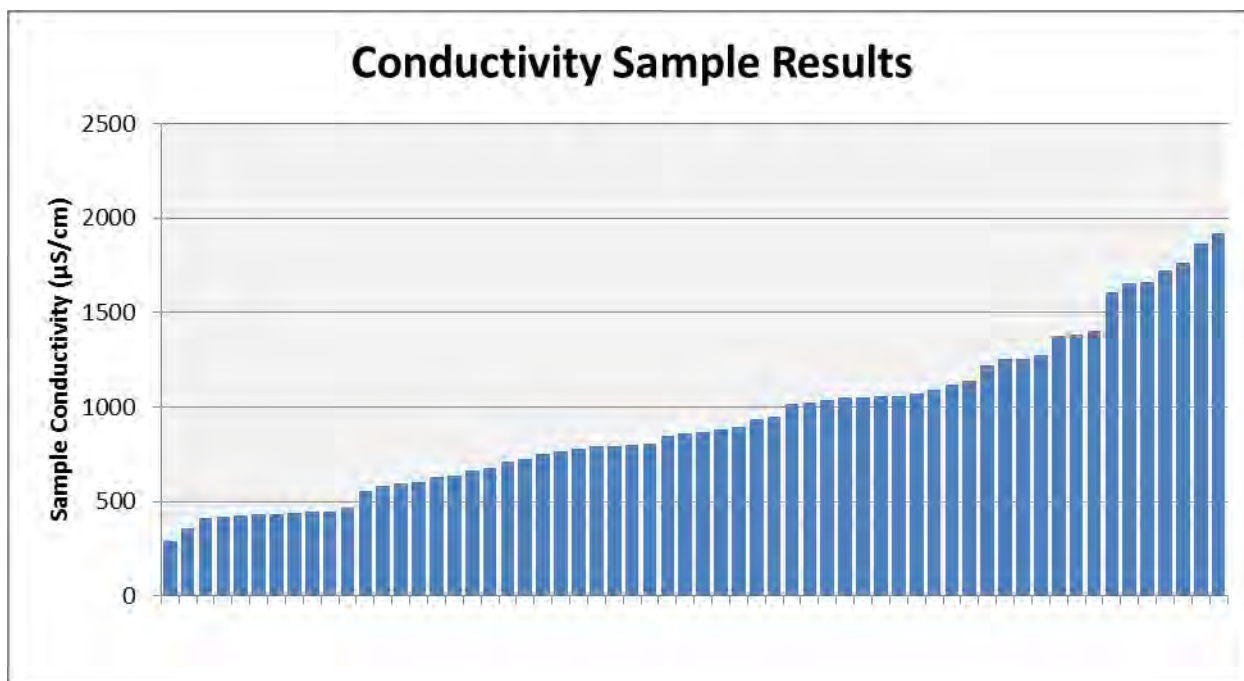
Conductivity values under 2000  $\mu\text{S}/\text{cm}$  would be considered to be normal. Samples with conductivities over 2000  $\mu\text{S}/\text{cm}$  would be identified as suspicious, but the discharge would not be considered a potential illicit discharge unless other indicator parameters (physical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

### Testing Method

During the ongoing screening program, OMNNI recorded the conductivity of the outfall samples with an *Oakton PC-10* handheld pH/conductivity/temperature meter, which displays the conductivity reading to 0.01  $\mu\text{S}/\text{cm}$ . 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  $\mu\text{S}/\text{cm}$ . None of the samples tested exceeded the 2,000  $\mu\text{S}/\text{cm}$  action level for conductivity, so none of the samples were considered suspect due to conductivity.

<sup>1</sup> 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.

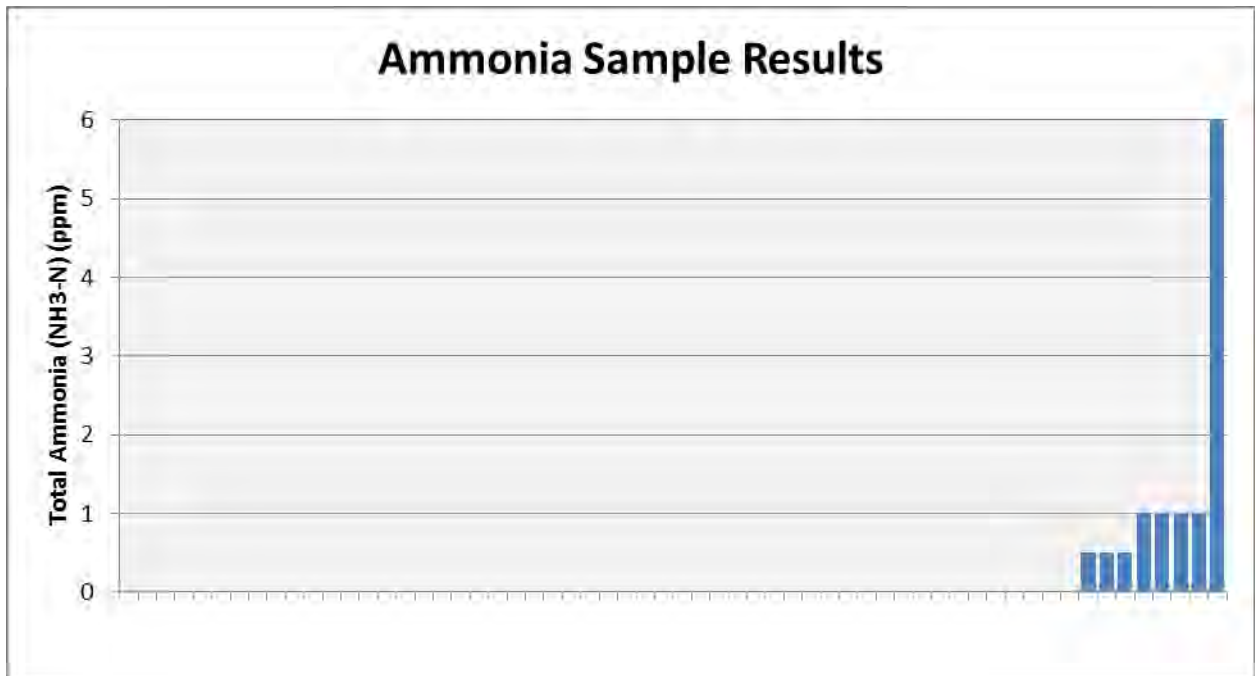
Because of the natural sources of ammonia, the action level for ammonia detections was set at greater than 1 ppm. Samples with ammonia concentrations of 1 ppm or lower were not investigated unless additional chemical or physical indicator parameters were present.

### *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<sub>3</sub>-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
02-184 US1	6	Potential	Also detected 1.3 mg/L detergent detection, strong sewer odor.
13-1716 US1	1	Unlikely	2012 rescreen. No other indicator parameters 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.
16-1508 US1	0.5	Unlikely	2012 rescreen. No other indicator parameters 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 wastewater 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.

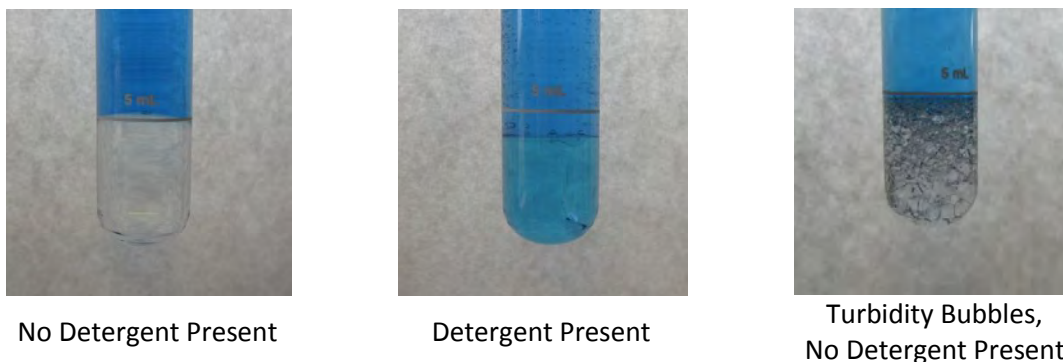
Unfortunately, due to the diverse classes of detergents, there is no single test to detect the presence of all detergents. The most common test – the Methylene Blue Active Substances (MBAS) test – is only effective in identifying the presence of anionic detergents.

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.

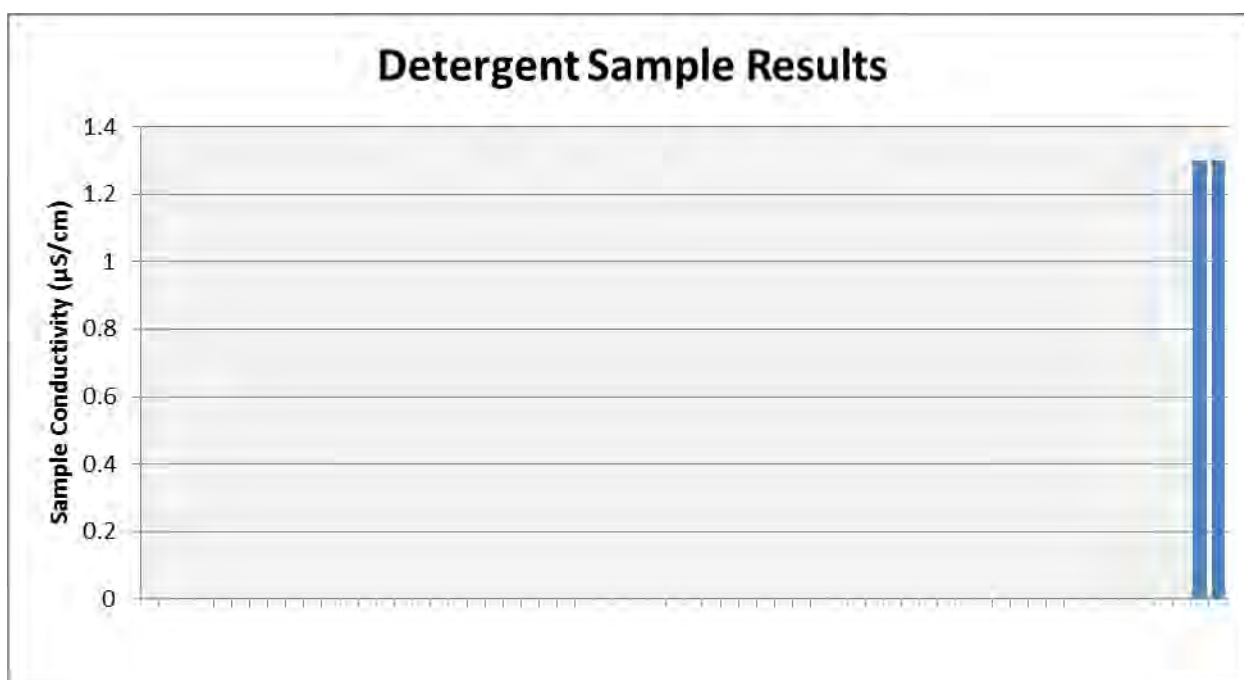


**Figure 11 – Typical MBAS Detergent Test Results**

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:

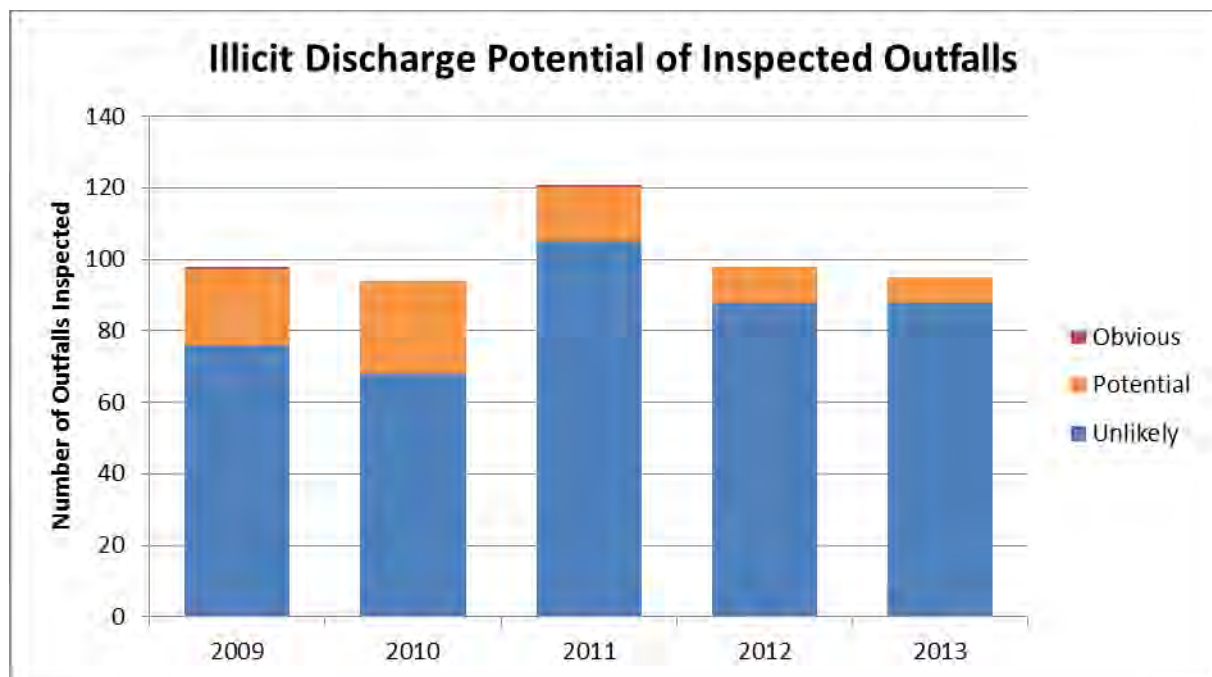
- Unlikely – no significant physical or chemical evidence of current or past illicit discharge
- Potential – presence of physical and/or chemical indicators, but no strong visible evidence
- Obvious – visible and/or strong chemical evidence of current or past illicit discharge

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
01-520	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011 and 2012).
02-184	Potential	Detergent and ammonia in upstream manhole (also present in 2012). Storm sewer supposedly abandoned.
03-22	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011 and 2012).
03-35	Potential	Persistent gross solids in upstream manhole (also present in 2009, 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)	2013 Ongoing Screening (July 2013)	2013 IDDE Potential
01-132 US1 (01-132)		Not screened due to traffic				Not screened due to traffic	N/A
01-520 US1 (01-520)							Potential
03-22 US1 (03-22)							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 re-screening.



**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)**





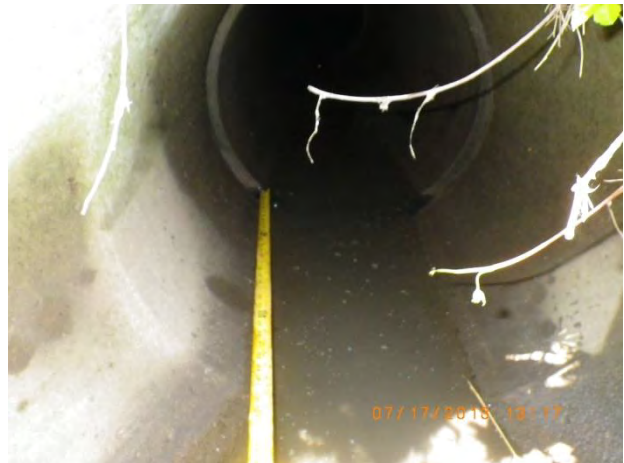
**Figure 28 - Outfall 13-1283 corrosion (minor damage)**



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



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



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



**Figure 32 - Outfall 14-659 apron displacement (moderate 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



<b>Outfall</b>	<b>Severity</b>	<b>Description</b>
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 40 - Minor deposition at outfall 12-1916**



**Figure 41 - Minor deposition in manhole 13-1098 US1**



**Figure 42 - Moderate deposition at outfall 13-1283**



**Figure 43 - Minor deposition at outfall 13-1588**



**Figure 44 - Moderate deposition at outfall 13-1758**





**Figure 45 - Moderate deposition at outfall 13-2611**



**Figure 46 - Minor deposition at outfall 13-2860**



**Figure 47 - Minor deposition at outfall 13-68**



**Figure 48 - Minor deposition at outfall 14-1007**



**Figure 49 - Severe deposition at outfall 14-1136**



**Figure 50 - Minor deposition at outfall 14-1138**





**Figure 51 - Severe deposition at outfall 14-1218**



**Figure 52 - Minor deposition at outfall 14-1222**



**Figure 53 - Moderate deposition at outfall 14-670**



**Figure 54 - Moderate deposition at outfall 14-766**



**Figure 55 - Minor deposition at manhole 15-1702 US1**



**Figure 56 - Minor deposition at outfall 15-1734**





**Figure 57 - Minor deposition at outfall 15-1746**



**Figure 58 - Minor deposition at outfall 15-1806**



**Figure 59 - Severe deposition at outfall 15-1807**



**Figure 60 - Moderate deposition at manhole 15-1807 US1**



**Figure 61 - Moderate deposition at outfall 15-1856**



**Figure 62 - Minor deposition at manhole 15-1856 US1**





**Figure 63 - Severe deposition at outfall 15-1891**



**Figure 64 - Minor deposition at manhole 15-1891 US1**



**Figure 65 - Severe deposition at outfall 15-1903**



**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 67 - Minor erosion near outfall 14-124



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

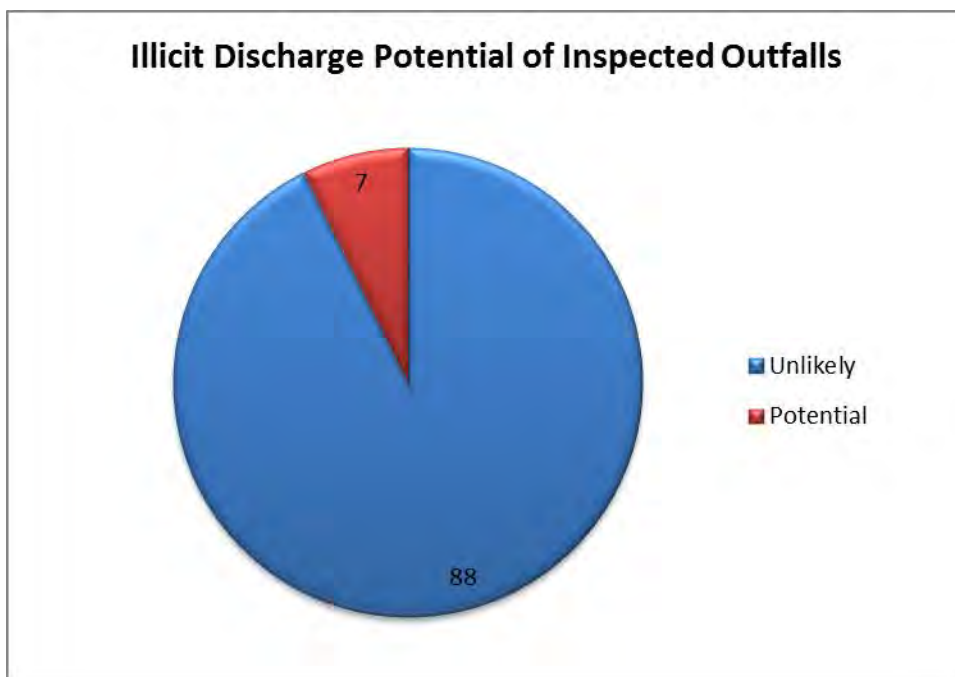
The graffiti is shown in the photos that follow. The locations of the outfalls with graffiti are shown on the map in Appendix C.



**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:

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Jason Weis, P.E.  
*Project Engineer*

Reviewed By:

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Brian D. Wayner, P.E.  
*Project Manager*

# **Appendix A**

## **MS4 Outfall Maps**

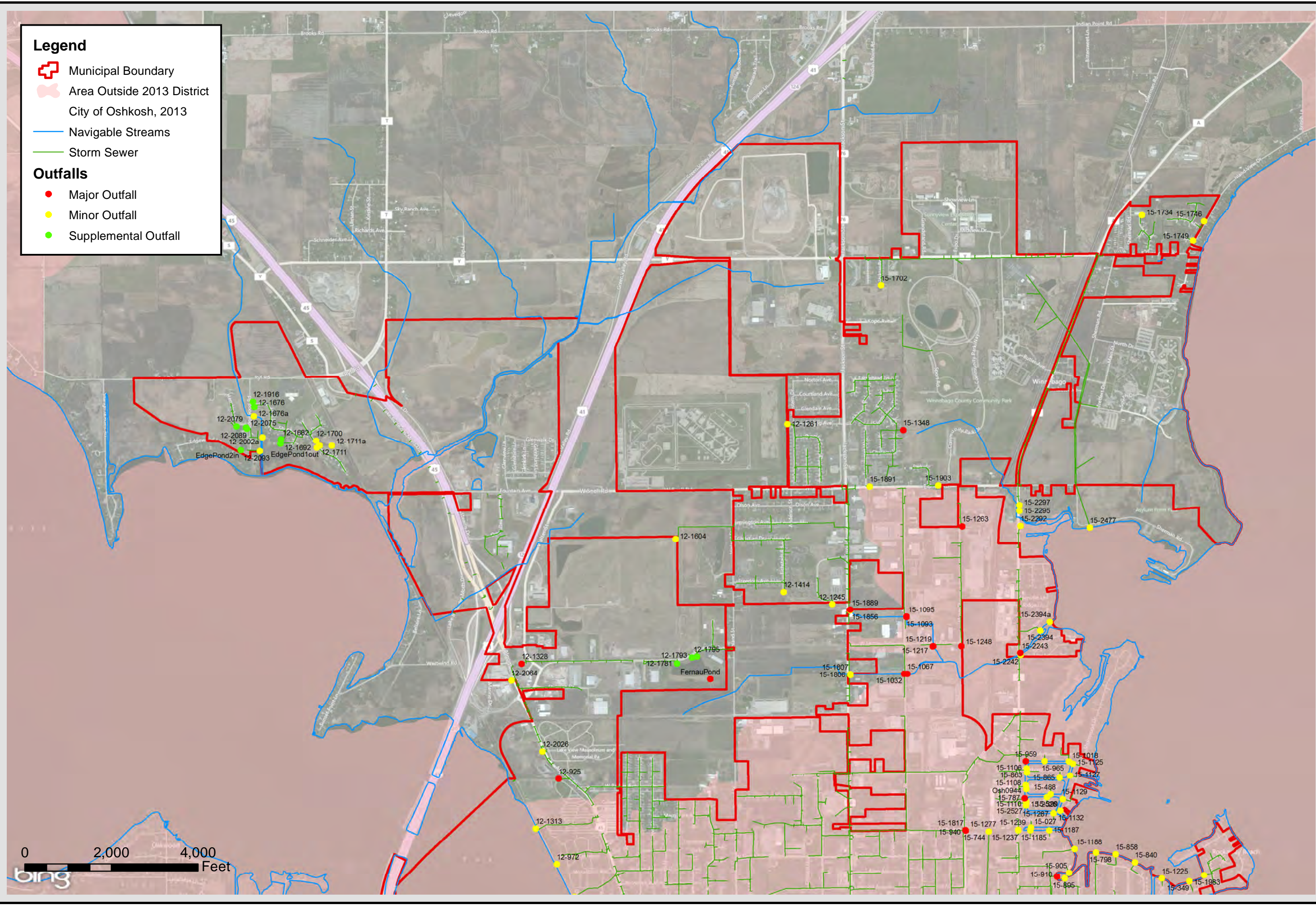
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- A-1 MS4 Outfall Map
- A-2 2013 Ongoing Screening District Maps









**Legend**

- Municipal Boundary
- Area Outside 2013 District
- Navigable Streams
- Storm Sewer

**Outfalls**

- Major Outfall
- Minor Outfall
- Supplemental Outfall



Project Manager: BDW  
Project Engineer: JCW  
Drawn By: JCW  
Checked By: BDW  
Date: 12/3/2013

**2013 IDDE ONGOING SCREENING PROGRAM**  
**2013 ONGOING SCREENING DISTRICT MAP - NORTH AREA**

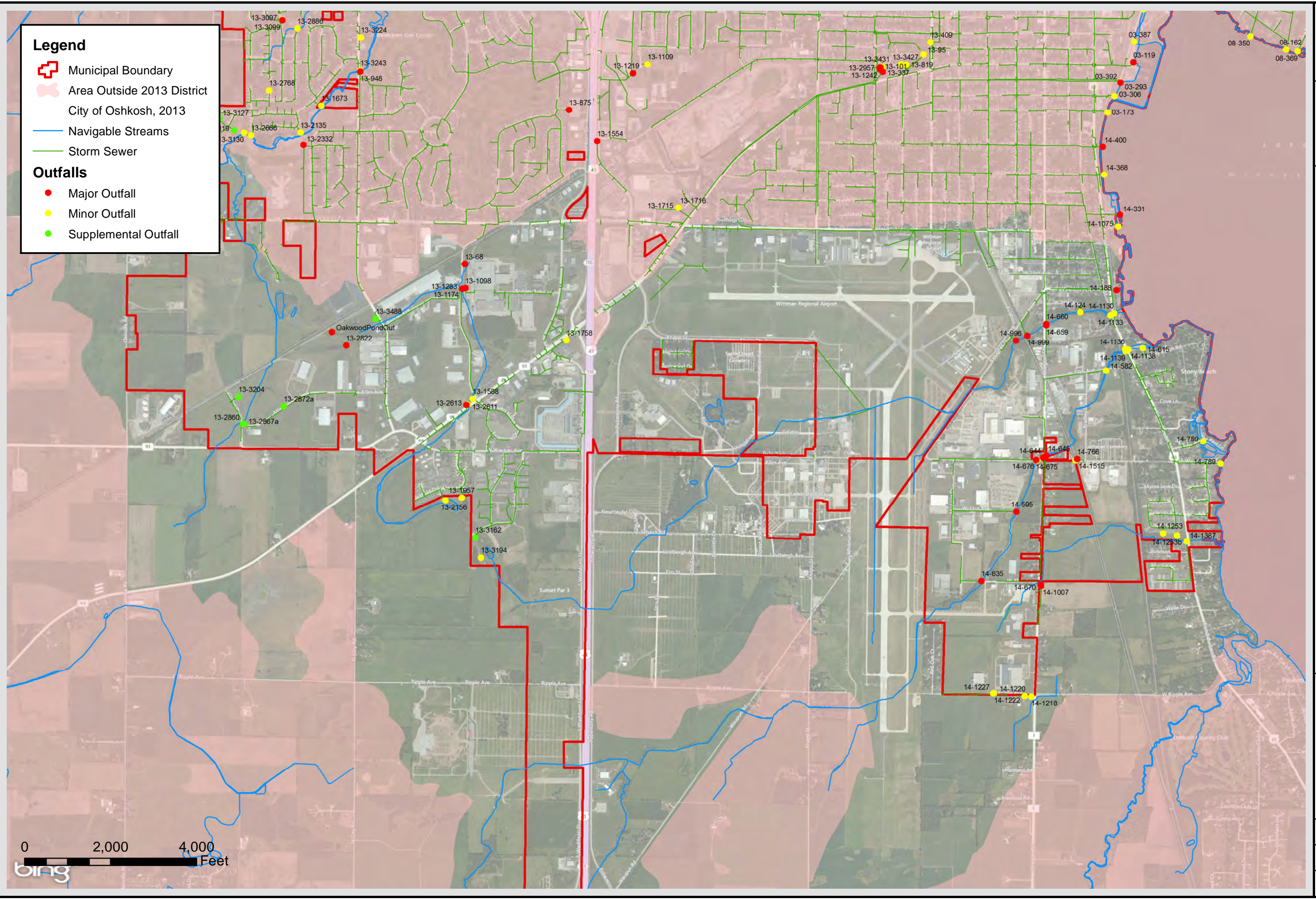
CITY OF OSHKOSH  
WINNEBAGO COUNTY, WISCONSIN




SCALE:  
1" = 2,000'  
PROJECT NO.  
**N2029B13**  
FIGURE NO.  
**A-2N**


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**Legend**


 Municipal Boundary


 Area Outside 2013 District


 Navigable Streams

 Storm Sewer

**Outfalls**

 Major Outfall

 Minor Outfall

 Supplemental Outfall



Project Engineer: BDW

Project Manager: JCW

Drawn By: JCW

Checked By: BDW

Date: 2/17/2014

2013 IDDE ONGOING SCREENING PROGRAM

2013 ONGOING SCREENING DISTRICT MAP - SOUTH AREA

CITY OF OSHKOSH

WINNEBAGO COUNTY, WISCONSIN



ONE SYSTEMS DRIVE

APPLETON, WI 54914

PHONE (920) 735-6900

FAX (920) 830-6100

SCALE:

1" = 2,000'

PROJECT NO.

N2029B13

FIGURE NO.

A-2S

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## **Appendix B**

### Outfall Inspection Reports

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# City of Oshkosh

## 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):



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.)

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 472,395

Easting: 791,740

### Latitude/Longitude:

Latitude: 44.01541

Longitude: -88.54280

Inspection Date: 9/5/2013 12:59:39 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 49

Notes: Outfall fully submerged. Outfall screened upstream at 01-520 US1. 2012 screening follow-up. Gross solids in upstream mh.

### 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Moderate

☒ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130905120336.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm


Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 01-520

<b>Inspection Date:</b> 9/27/2012 9:53:44 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Outfall fully submerged; screened upstream at 01-520 US1.		
Submerged: Fully      Depth (in): 40				
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables: <input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor: <input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine <input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant
Turbidity: <input type="text" value="None"/>				
Color: <input type="text" value="None"/>				
Gross Solids: <input type="text" value="None"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other
Vegetation: <input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive		
Benthic Growth: <input type="text" value="None"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown		
Stains: <input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other	
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam		
<b>Physical Condition Assessment</b>				
Graffiti: <input type="text" value="None"/>				
Erosion: <input type="text" value="None"/>				
Deposition: <input type="text" value="None"/>	Depth (in):			
Damage: <input type="text" value="None"/>	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage		



o20120927085734.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

<b>Inspection Date:</b> 6/21/2012 10:35:10 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 0-24
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Gross solids pre-screening. Outfall fully submerged; screened upstream at 01-520 US1.		
Submerged: Fully      Depth (in):				
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables: <input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor: <input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine <input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant
Turbidity: <input type="text" value="None"/>				
Color: <input type="text" value="None"/>				
Gross Solids: <input type="text" value="None"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other
Vegetation: <input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive		
Benthic Growth: <input type="text" value="None"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown		
Stains: <input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other	
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam		
<b>Physical Condition Assessment</b>				
Graffiti: <input type="text" value="None"/>				
Erosion: <input type="text" value="None"/>				
Deposition: <input type="text" value="None"/>	Depth (in):			
Damage: <input type="text" value="None"/>	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage		



o20120621092646.JPG

## Sampling Results

Sample Location:

Sample ID:

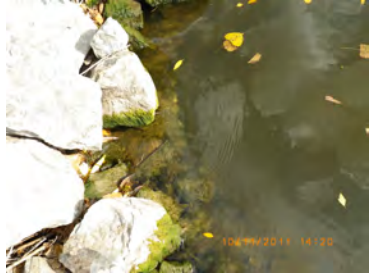
Time Collected

Total Chlorine (field): -- ppm  
Free Chlorine (field): -- ppm  
Total Copper (field): -- ppm  
Ammonia (field): -- ppm  
pH (field): -- units  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 01-520

<b>Inspection Date:</b> 10/11/2011 2:19:37 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> 2010 screening follow-up. Outfall fully submerged. Outfall screened upstream at 01-520 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	<input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	<input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	<input type="text" value="None"/>					
Color:	<input type="text" value="None"/>					
Gross Solids:	<input type="text" value="None"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	<input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	<input type="text" value="None"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	<input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	<input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	<input type="text" value="None"/>					
Erosion:	<input type="text" value="None"/>					
Deposition:	<input type="text" value="None"/>	Depth (in): 0				
Damage:	<input type="text" value="None"/>	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20111011142004.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

<b>Inspection Date:</b> 8/25/2010 12:43:21 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Outfall fully submerged and not physically located. Outfall screened upstream at 01-520 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	<input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	<input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	<input type="text" value="None"/>					
Color:	<input type="text" value="None"/>					
Gross Solids:	<input type="text" value="None"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	<input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	<input type="text" value="None"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	<input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	<input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	<input type="text" value="None"/>					
Erosion:	<input type="text" value="None"/>					
Deposition:	<input type="text" value="None"/>	Depth (in): 0				
Damage:	<input type="text" value="None"/>	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 01-520

<b>Inspection Date:</b> 9/9/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Outfall fully submerged and not physically located. Outfall screened upstream at 01-520 US1.				 Osh09_DSCN6715.JPG	
Submerged: Fully      Depth (in): 56							
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up					
Floatables: <input type="text" value="None"/>		<input type="checkbox"/> Petrol. Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Sewage <input type="checkbox"/> Algae <input type="checkbox"/> Other					
Odor: <input type="text" value="None"/>		<input type="checkbox"/> Petroleum <input type="checkbox"/> Musty <input type="checkbox"/> Sewage <input type="checkbox"/> Chlorine <input type="checkbox"/> Other					
		<input type="checkbox"/> VOC/Solvent <input type="checkbox"/> Fishy <input type="checkbox"/> Sulfur <input type="checkbox"/> Fragrant					
Turbidity: <input type="text" value="None"/>							
Color: <input type="text" value="None"/>							
Gross Solids: <input type="text" value="None"/>		<input type="checkbox"/> Litter <input type="checkbox"/> Debris <input type="checkbox"/> Sediment <input type="checkbox"/> Other					
Vegetation: <input type="text" value="None"/>		<input type="checkbox"/> Inhibited <input type="checkbox"/> Excessive					
Benthic Growth: <input type="text" value="None"/>		<input type="checkbox"/> Green <input type="checkbox"/> Brown					
Stains: <input type="text" value="None"/>		<input type="checkbox"/> Flow Line <input type="checkbox"/> Oil <input type="checkbox"/> Rust Stains					
		<input type="checkbox"/> Corrosion <input type="checkbox"/> Paint <input type="checkbox"/> Other					
Non-illicit: <input type="text" value="None"/>		<input type="checkbox"/> Natural Sheen <input type="checkbox"/> Natural Suds/Foam					
<b>Physical Condition Assessment</b>						<b>Sampling Results</b>	
<div>Graffiti: None</div> <div>Erosion: None</div> <div>Deposition: None      Depth (in): 0</div> <div>Damage: None      <input type="checkbox"/> Displacement   <input type="checkbox"/> Undercut   <input type="checkbox"/> Crushed</div> <div><input type="checkbox"/> Corrosion      <input type="checkbox"/> Cracks/Structural Damage</div>						<div>Sample Location:</div> <div>Sample ID:</div> <div>Time Collected</div> <div>Total Chlorine (field):      --   ppm</div> <div>Free Chlorine (field):      --   ppm</div> <div>Total Copper (field):      --   ppm</div> <div>Ammonia (field):      --   ppm</div> <div>pH (field):      --   units</div> <div>Temperature (field):      --   °F</div> <div>Conductivity (field):      --   µS/cm</div> <div>Detergents:      --   mg/L</div> <div>Phenol:      --   mg/L</div>	



# City of Oshkosh

## 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):



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.)

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 472,419

Easting: 791,742

### Latitude/Longitude:

Latitude: 44.01547

Longitude: -88.54279

Inspection Date: 9/5/2013 1:02:45 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 69

Notes: 2012 screening follow-up. Significant gross solids in manhole - similar to previous years.

### 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

Turbidity: None

Color: None

Gross Solids: Severe

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130905120924.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130905-74

Time Collected 13:01

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.51 units

Temperature (field): 76 °F

Conductivity (field): 424 µS/cm


Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 01-520 US1

<b>Inspection Date:</b> 9/27/2012 9:57:25 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> 2011 gross solids follow-up.			
Submerged: Fully      Depth (in): 69					
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables: None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity: None					
Color: None					
Gross Solids: Severe	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth: None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains: Slight	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>					
Graffiti: None					
Erosion: None					
Deposition: None	Depth (in):				
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			




o20120927085918.JPG

**Sampling Results**

Sample Location:	Pool
Sample ID:	120927-91
Time Collected	09:50
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):	60 °F
Conductivity (field):	542 µS/cm
Detergents:	0 mg/L
Phenol:	-- mg/L

<b>Inspection Date:</b> 6/21/2012 10:34:01 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 0-24	
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Gross solids pre-screening.			
Submerged: Fully      Depth (in): 70					
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables: None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity: None					
Color: None					
Gross Solids: Severe	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth: None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains: Moderate	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>					
Graffiti: None					
Erosion: None					
Deposition: None	Depth (in):				
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			




o20120621092424.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
Temperature (field):	-- °F
Conductivity (field):	-- µS/cm
Detergents:	-- mg/L
Phenol:	-- mg/L

# City of Oshkosh

Outfall ID: 01-520 US1


<b>Inspection Date:</b> 10/11/2011 2:24:37 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> 2010 screening follow-up. Floatable debris still present.				
Submerged: Fully      Depth (in): 64						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	Severe	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in): 0				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			
						
		o20111011142110.JPG				
<b>Sampling Results</b>						
Sample Location:		Pool				
Sample ID:		111011-92				
Time Collected		14:20				
Total Chlorine (field):		0 ppm				
Free Chlorine (field):		0 ppm				
Total Copper (field):		0 ppm				
Ammonia (field):		0 ppm				
pH (field):		8.49 units				
Temperature (field):		71 °F				
Conductivity (field):		-- µS/cm				
Detergents:		-- mg/L				
Phenol:		-- mg/L				

<b>Inspection Date:</b> 5/26/2011 11:13:00 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Limited screening conducted to check for floatable debris.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:		<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:						
Color:						
Gross Solids:	Severe	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:		<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in): 0				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			
						
		o20110526111400.JPG				
<b>Sampling Results</b>						
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				
Conductivity (field):		-- µS/cm				
Detergents:		-- mg/L				
Phenol:		-- mg/L				

# City of Oshkosh

Outfall ID: 01-520 US1


<b>Inspection Date:</b> 8/25/2010 12:53:35 PM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Ongoing		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b> Significant floatable debris in manhole.			
Submerged: Fully		Depth (in): 72					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	Faint in bottle	Brown					
Gross Solids:	Severe	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				



08-25-2010 12:47  
o20100825124708.JPG

<b>Sampling Results</b>	
Sample Location:	Pool
Sample ID:	100825-90
Time Collected	12:55
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	0 ppm
pH (field):	8.18 units
Temperature (field):	73 °F
Conductivity (field):	-- µS/cm
Detergents:	0 mg/L
Phenol:	-- mg/L

<b>Inspection Date:</b> 9/9/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b> Abnormal detergent analysis result (bubbles). Significant floatables in manhole. Brown color.			
Submerged: Fully		Depth (in): 61					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	Clearly visible in bottle	Brown					
Gross Solids:	Severe	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				



09-09-2009 11:25  
Osh09\_DSCN6718.JPG

<b>Sampling Results</b>	
Sample Location:	Pool
Sample ID:	090909-57
Time Collected	11:30
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	-- ppm
pH (field):	8.6 units
Temperature (field):	78 °F
Conductivity (field):	-- µS/cm
Detergents:	0 mg/L
Phenol:	0 mg/L



# City of Oshkosh

## 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): 8

Height/Depth (in):

Width (in):



o20130905072906.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

### County Coordinates:

Northing: 472,662

Easting: 798,793

### Latitude/Longitude:

Latitude: 44.01615

Longitude: -88.51599

Inspection Date: 9/5/2013 8:25:03 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall not located. Outfall screened upstream at 02-184 US1. 2011 screening follow-up.

### Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-up

Floatables:  ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor:  ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130905072902.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm


Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 02-184


<b>Inspection Date:</b> 10/3/2011 10:40:32 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Outfall fully submerged and not physically located. Outfall screened upstream at 02-184 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):	0			
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20111003103856.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

<b>Inspection Date:</b> 5/10/2011 8:59:00 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 0-24		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Outfall fully submerged and not physically located. Outfall screened upstream at 02-184 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:		<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:		<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:						
Color:						
Gross Solids:		<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:		<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):	0			
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20110510085930.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130905073606.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 472,659

Easting: 798,584

### Latitude/Longitude:

Latitude: 44.01614

Longitude: -88.51679

Inspection Date: 9/5/2013 8:29:25 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 6

Notes: 2011 screening follow-up. Strong sewer odor, with elevated ammonia and detergent.

### Illicit Discharge Potential: Potential

☐ Field Follow-up

☐ Office Follow-up

Floatables:

None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor:

Easily detected

☐ Petroleum

☐ Musty

☒ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity:

None

Color:

None

Gross Solids:

None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation:

None

☐ Inhibited

☐ Excessive

Benthic Growth:

None

☐ Green

☐ Brown

Stains:

None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit:

None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130905073614.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130905-16

Time Collected 08:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 6 ppm

pH (field): 7.6 units

Temperature (field): 68 °F

Conductivity (field): 1036 µS/cm


Detergents: 1.3 mg/L


Phenol: -- mg/L



# City of Oshkosh

Outfall ID: 02-184 US1

<b>Inspection Date:</b> 10/3/2011 10:43:48 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+
<b>Flow Description:</b> Trickle		<b>Notes:</b> Significant mud on bottom of manhole. Slight flow through mud.		
Submerged: None      Depth (in):				
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage <input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage <input type="checkbox"/> Chlorine <input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur <input type="checkbox"/> Fragrant
Turbidity:	Opaque			
Color:	None			
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment <input type="checkbox"/> Other
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown	
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam	
<b>Physical Condition Assessment</b>				
Graffiti:	None			
Erosion:	None			
Deposition:	Moderate	Depth (in):	5	
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage	
				
o20111003104326.JPG				
<b>Sampling Results</b>				
Sample Location: Flow				
Sample ID: 111003-03				
Time Collected 10:50				
Total Chlorine (field): 0 ppm				
Free Chlorine (field): 0 ppm				
Total Copper (field): 0 ppm				
Ammonia (field): 0 ppm				
pH (field): 7.13 units				
Temperature (field): 61 °F				
Conductivity (field): -- µS/cm				
Detergents: 0 mg/L				
Phenol: -- mg/L				

<b>Inspection Date:</b> 5/10/2011 9:00:00 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 0-24
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Limited screening conducted for upstream manhole prescreening.		
Submerged: Fully      Depth (in):				
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage <input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor:		<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage <input type="checkbox"/> Chlorine <input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur <input type="checkbox"/> Fragrant
Turbidity:				
Color:				
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment <input type="checkbox"/> Other
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
Benthic Growth:		<input type="checkbox"/> Green	<input type="checkbox"/> Brown	
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam	
<b>Physical Condition Assessment</b>				
Graffiti:	None			
Erosion:	None			
Deposition:	None	Depth (in):	0	
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage	
				
o20110510090038.JPG				
<b>Sampling Results</b>				
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				
Conductivity (field): -- µS/cm				
Detergents: -- mg/L				
Phenol: -- mg/L				

# City of Oshkosh

## 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):

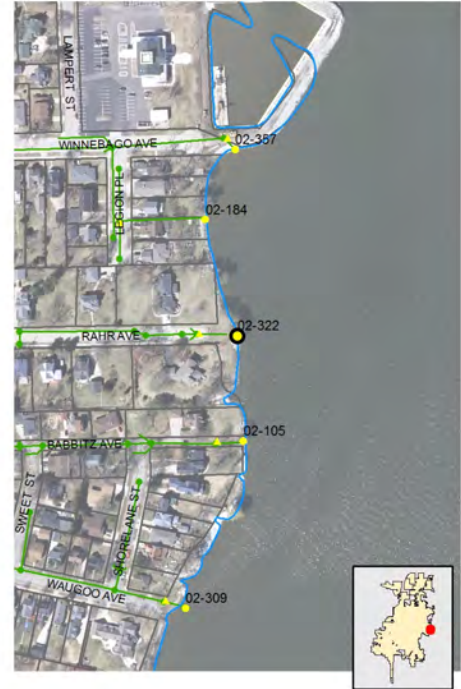


o20130905070204.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

### County Coordinates:

Northing: 472,376

Easting: 798,866

### Latitude/Longitude:

Latitude: 44.01536

Longitude: -88.51571

Inspection Date: 9/5/2013 7:57:58 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: 2012 screening follow-up. Outfall not located. Outfall screened upstream at 02-322 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130905070148.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm


Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 02-322


<b>Inspection Date:</b> 9/27/2012 8:40:14 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Outfall fully submerged; screened upstream at 02-322 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120927074404.JPG

<b>Sampling Results</b>	
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
Conductivity (field):	-- µS/cm
Detergents:	-- mg/L
Phenol:	-- mg/L

<b>Inspection Date:</b> 6/20/2012 8:34:40 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 24-48		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Gross solids pre-screening.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			




o20120620073654.JPG

<b>Sampling Results</b>	
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
Conductivity (field):	-- µS/cm
Detergents:	-- mg/L
Phenol:	-- mg/L

# City of Oshkosh

Outfall ID: 02-322


<b>Inspection Date:</b> 10/3/2011 10:09:27 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Outfall fully submerged and not physically located. Outfall screened upstream at 02-322 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):	0			
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20111003101004.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

<b>Inspection Date:</b> 5/10/2011 8:43:00 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 0-24		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Outfall fully submerged and not physically located. Outfall screened upstream at 02-322 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:		<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:		<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:						
Color:						
Gross Solids:		<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:		<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):	0			
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20110510084330.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L



# City of Oshkosh

## 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):



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.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 472,384

Easting: 798,773

### Latitude/Longitude:

Latitude: 44.01538

Longitude: -88.51607

Inspection Date: 9/5/2013 8:04:37 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 8

Notes: 2012 screening follow-up. Ammonia source appears to be removed.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in):

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130905070826.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130905-86

Time Collected 08:05

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.75 units

Temperature (field): 70.2 °F

Conductivity (field): 600 µS/cm


Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 02-322 US1


<b>Inspection Date:</b> 9/27/2012 8:42:27 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> 2011 gross solids / pH follow-up.			
Submerged: Partially      Depth (in): 3					
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables: None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: Easily detected	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input checked="" type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity: Opaque					
Color: Clearly visible in bottle	Dark/Black				
Gross Solids: Moderate	<input type="checkbox"/> Litter	<input checked="" type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth: None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains: None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit: Moderate	<input type="checkbox"/> Natural Sheen	<input checked="" type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>					
Graffiti: None					
Erosion: None					
Deposition: None	Depth (in):				
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120927074434.JPG

<b>Sampling Results</b>	
Sample Location:	Pool
Sample ID:	120927-20
Time Collected	08:42
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	3 ppm
pH (field):	7.07 units
Temperature (field):	60 °F
Conductivity (field):	747 µS/cm
Detergents:	0 mg/L
Phenol:	-- mg/L

<b>Inspection Date:</b> 6/20/2012 8:40:34 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 24-48	
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b>			
Submerged: Partially      Depth (in): 10					
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables: Slight	<input type="checkbox"/> Petrol. Sheen	<input checked="" type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: Easily detected	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input checked="" type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity: Cloudy					
Color: None					
Gross Solids: Severe	<input type="checkbox"/> Litter	<input checked="" type="checkbox"/> Debris	<input checked="" type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth: None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains: None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>					
Graffiti: None					
Erosion: None					
Deposition: Severe	Depth (in): 11				
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			




o20120620073908.JPG

<b>Sampling Results</b>	
Sample Location:	Pool
Sample ID:	120620-82
Time Collected	08:40
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	6 ppm
pH (field):	6.61 units
Temperature (field):	78 °F
Conductivity (field):	307 µS/cm
Detergents:	0 mg/L
Phenol:	-- mg/L

# City of Oshkosh

Outfall ID: 02-322 US1


<b>Inspection Date:</b> 10/4/2011 8:21:19 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Repeat	<b>Previous Rainfall (hrs):</b> 72+
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Follow-up inspection to re-test pH. Significant leaf debris.		
Submerged: Partially      Depth (in): 4				
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables: <input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor: <input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine <input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant
Turbidity: <input type="text" value="None"/>				
Color: <input type="text" value="None"/>				
Gross Solids: <input type="text" value="None"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other
Vegetation: <input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive		
Benthic Growth: <input type="text" value="None"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown		
Stains: <input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other	
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam		
<b>Physical Condition Assessment</b>				
Graffiti: <input type="text" value="None"/>				
Erosion: <input type="text" value="None"/>				
Deposition: <input type="text" value="None"/>	Depth (in): 0			
Damage: <input type="text" value="None"/>	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage		



o20111004082134.JPG

<b>Sampling Results</b>	
Sample Location:	Pool
Sample ID:	
Time Collected	08:20
Total Chlorine (field):	-- ppm
Free Chlorine (field):	-- ppm
Total Copper (field):	-- ppm
Ammonia (field):	-- ppm
pH (field):	5.24 units
Temperature (field):	60 °F
Conductivity (field):	-- µS/cm
Detergents:	-- mg/L
Phenol:	-- mg/L

<b>Inspection Date:</b> 10/3/2011 10:16:21 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Significant buildup of leaves in pool. High measured pH.		
Submerged: Partially      Depth (in): 8				
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables: <input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor: <input type="text" value="Faint"/>	<input type="checkbox"/> Petroleum	<input checked="" type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine <input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant
Turbidity: <input type="text" value="None"/>				
Color: <input type="text" value="Faint in bottle"/>	Brown			
Gross Solids: <input type="text" value="None"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other
Vegetation: <input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive		
Benthic Growth: <input type="text" value="None"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown		
Stains: <input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other	
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam		
<b>Physical Condition Assessment</b>				
Graffiti: <input type="text" value="None"/>				
Erosion: <input type="text" value="None"/>				
Deposition: <input type="text" value="None"/>	Depth (in): 0			
Damage: <input type="text" value="None"/>	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage		




o20111003101336.JPG

<b>Sampling Results</b>	
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
Conductivity (field):	-- µS/cm
Detergents:	0 mg/L
Phenol:	-- mg/L

# City of Oshkosh

Outfall ID: 02-322 US1

<b>Inspection Date:</b> 5/10/2011 8:44:00 AM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Other		<b>Previous Rainfall (hrs):</b> 0-24	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b> Limited screening conducted for upstream manhole prescreening.			
Submerged: Partially		Depth (in):					
<b>Illicit Discharge Potential:</b> Unlikely				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:		<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:							
Color:							
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:		<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
							
				o20110510084410.JPG			
<b>Sampling Results</b>							
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							
Conductivity (field): -- µS/cm							
Detergents: -- mg/L							
Phenol: -- mg/L							



# City of Oshkosh

## 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): 58



o20130731114428.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

### County Coordinates:

Northing: 471,751

Easting: 792,375

### Latitude/Longitude:

Latitude: 44.01364

Longitude: -88.54039

Inspection Date: 7/31/2013 12:40:04 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Notes: 2012 screening follow-up. Outfall not located. Outfall screened upstream at 03-22 US1. Gross solids in upstream mh.

### 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130731114434.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm


Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 03-22


<b>Inspection Date:</b> 9/27/2012 9:26:54 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Outfall fully submerged; screened upstream at 03-22 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120927082846.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

<b>Inspection Date:</b> 6/20/2012 9:22:09 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 24-48		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Gross solids pre-screening.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			




o20120620082248.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 03-22


<b>Inspection Date:</b> 10/11/2011 9:03:10 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):	0			
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20111011090250.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

<b>Inspection Date:</b> 8/18/2010 10:26:01 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):	0			
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20100818101918.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L



# City of Oshkosh

Outfall ID: 03-22

<b>Inspection Date:</b> 9/10/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b>			
Submerged: Fully      Depth (in):							
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables:	<input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	<input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	<input type="text" value="None"/>						
Color:	<input type="text" value="None"/>						
Gross Solids:	<input type="text" value="None"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	<input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	<input type="text" value="None"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	<input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	<input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	<input type="text" value="None"/>						
Erosion:	<input type="text" value="None"/>						
Deposition:	<input type="text" value="None"/>	Depth (in): 0					
Damage:	<input type="text" value="None"/>	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				



Osh09\_DSCN6765.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130731114604.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

471,694

Easting:

792,376

### Latitude/Longitude:

Latitude: 44.01348

Longitude: -88.54038

Inspection Date: 7/31/2013 12:42:35 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 44

Notes: 2012 screening follow-up. Significant gross solids - similar to previous years.

### 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: None

Color: Faint in bottle

Brown

Gross Solids: Severe

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130731114610.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130731-01

Time Collected 12:42

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.95 units

Temperature (field): 76 °F


Conductivity (field): 450 µS/cm


Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 03-22 US1

<b>Inspection Date:</b> 9/27/2012 9:27:45 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> 2011 gross solids follow-up.		
Submerged: Fully      Depth (in): 39				
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables: None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor: None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine <input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant
Turbidity: None				
Color: None				
Gross Solids: Severe	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive		
Benthic Growth: None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown		
Stains: None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other	
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam		
<b>Physical Condition Assessment</b>				
Graffiti: None				
Erosion: None				
Deposition: None	Depth (in):			
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage		
				
		o20120927082922.JPG		
<b>Sampling Results</b>				
Sample Location: Pool				
Sample ID: 120927-40				
Time Collected 09:26				
Total Chlorine (field): 0 ppm				
Free Chlorine (field): 0 ppm				
Total Copper (field): 0 ppm				
Ammonia (field): 0 ppm				
pH (field): 8.32 units				
Temperature (field): 59 °F				
Conductivity (field): 398 µS/cm				
Detergents: 0 mg/L				
Phenol: -- mg/L				

<b>Inspection Date:</b> 6/20/2012 9:24:19 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 24-48
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Gross solids pre-screening.		
Submerged: Fully      Depth (in): 46				
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables: None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor: None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine <input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant
Turbidity: None				
Color: None				
Gross Solids: Severe	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive		
Benthic Growth: None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown		
Stains: None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other	
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam		
<b>Physical Condition Assessment</b>				
Graffiti: None				
Erosion: None				
Deposition: None	Depth (in):			
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage		
				
		o20120620082508.JPG		
<b>Sampling Results</b>				
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				
Conductivity (field): -- µS/cm				
Detergents: -- mg/L				
Phenol: -- mg/L				

# City of Oshkosh

Outfall ID: 03-22 US1

<b>Inspection Date:</b> 10/11/2011 9:05:50 AM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Ongoing		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b> 2010 screening follow-up. No significant change in volume of floatable debris.			
Submerged: Fully		Depth (in): 37					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	Moderate	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
				<b>Sampling Results</b>			
				Sample Location: Pool			
				Sample ID: 111011-09			
				Time Collected 09:05			
				Total Chlorine (field): 0 ppm			
				Free Chlorine (field): 0 ppm			
				Total Copper (field): 0 ppm			
				Ammonia (field): 0 ppm			
				pH (field): 8.13 units			
				Temperature (field): 70 °F			
				Conductivity (field): -- µS/cm			
				Detergents: -- mg/L			
				Phenol: -- mg/L			



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<b>Inspection Date:</b> 5/26/2011 11:19:00 AM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Other		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b> Limited screening conducted to check for floatable debris.			
Submerged: Fully		Depth (in):					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:		<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:							
Color:							
Gross Solids:	Moderate	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:		<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
				<b>Sampling Results</b>			
				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			
				Conductivity (field): -- µS/cm			
				Detergents: -- mg/L			
				Phenol: -- mg/L			




o20110526111930.JPG



# City of Oshkosh

Outfall ID: 03-22 US1

<b>Inspection Date:</b> 8/18/2010 10:29:59 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Severe floatable debris in catchbasin.				
Submerged: Fully      Depth (in): 44						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	Faint in bottle	Brown				
Gross Solids:	Severe	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in): 0				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			




o20100818102410.JPG

**Sampling Results**

Sample Location:	Pool
Sample ID:	100818-83
Time Collected	10:32
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	0 ppm
pH (field):	7.38 units
Temperature (field):	76 °F
Conductivity (field):	-- µS/cm
Detergents:	0 mg/L
Phenol:	0 mg/L

<b>Inspection Date:</b> 9/10/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Abnormal detergent analysis result (bubbles). Significant floatables in manhole.				
Submerged: Fully      Depth (in): 44						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	Severe	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in): 0				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



Osh09\_DSCN6768.JPG

**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
Detergents:	0 mg/L
Phenol:	0 mg/L



# City of Oshkosh

Outfall ID: 03-35


<b>Inspection Date:</b> 9/27/2012 9:13:17 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Outfall fully submerged; screened upstream at 03-35 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120927081506.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

<b>Inspection Date:</b> 6/20/2012 9:06:10 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 24-48		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Gross solids pre-screening.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			




o20120620080844.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 03-35

<b>Inspection Date:</b> 10/11/2011 9:36:03 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-35 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):	0			
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20111011093254.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


Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

<b>Inspection Date:</b> 8/18/2010 9:27:46 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Outfall fully submerged and not physically located. Outfall screened upstream at 03-35 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):	0			
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20100818092204.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm


Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

Outfall ID: 03-35

<b>Inspection Date:</b> 9/10/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Outfall fully submerged and not physically located. Outfall screened upstream at 03-35 US1.				 Osh09_DSCN6761.JPG	
Submerged: Fully      Depth (in):							
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up					
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
<b>Sampling Results</b>							
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							
Conductivity (field): -- µS/cm							
Detergents: -- mg/L							
Phenol: -- mg/L							

# City of Oshkosh

## 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):



o20130731113340.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 471,408

Easting: 793,047

### Latitude/Longitude:

Latitude: 44.01270

Longitude: -88.53783

Inspection Date: 7/31/2013 12:31:00 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 33

Notes: 2012 screening follow-up. Significant gross solids. Similar to previous years.

### 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

Turbidity: None

Color: Faint in bottle

Brown

Gross Solids: Severe

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: 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

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130731113346.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130731-40

Time Collected 12:28

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.47 units

Temperature (field): 75 °F

Conductivity (field): 425 µS/cm


Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 03-35 US1


<b>Inspection Date:</b> 9/27/2012 9:13:54 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> 2011 gross solids follow-up.				
Submerged: Fully      Depth (in): 31						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	Severe	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	Slight	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	Minor	Depth (in): 3				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120927081522.JPG

<b>Sampling Results</b>	
Sample Location:	Pool
Sample ID:	120927-22
Time Collected	09:12
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	0 ppm
pH (field):	8.42 units
Temperature (field):	59 °F
Conductivity (field):	723 µS/cm
Detergents:	0 mg/L
Phenol:	-- mg/L

<b>Inspection Date:</b> 6/20/2012 9:08:12 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 24-48		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Gross solids pre-screening.				
Submerged: Fully      Depth (in): 39						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	Severe	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			




o20120620080918.JPG

<b>Sampling Results</b>	
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
Conductivity (field):	-- µS/cm
Detergents:	-- mg/L
Phenol:	-- mg/L

# City of Oshkosh

Outfall ID: 03-35 US1


<b>Inspection Date:</b> 10/11/2011 9:29:50 AM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Ongoing		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b> 2010 screening follow-up. Floatable debris still present. Slight petroleum sheen.			
Submerged: Fully		Depth (in): 19					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	Severe	<input checked="" type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	Severe	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				



o20111011092832.JPG

<b>Sampling Results</b>	
Sample Location:	Pool
Sample ID:	111011-55
Time Collected	09:30
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	0 ppm
pH (field):	8.01 units
Temperature (field):	71 °F
Conductivity (field):	-- µS/cm
Detergents:	-- mg/L
Phenol:	-- mg/L

<b>Inspection Date:</b> 5/26/2011 11:23:00 AM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Other		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b> Limited screening conducted to check for floatable debris.			
Submerged: Fully		Depth (in):					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:		<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:							
Color:							
Gross Solids:	Severe	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:		<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				



o20110526112400.JPG


<b>Sampling Results</b>	
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
Conductivity (field):	-- µS/cm
Detergents:	-- mg/L
Phenol:	-- mg/L



# City of Oshkosh

Outfall ID: 03-35 US1


<b>Inspection Date:</b> 8/18/2010 9:32:06 AM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Ongoing		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b> Severe floatable debris in catchbasin.			
Submerged: Fully		Depth (in): 34					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	Faint	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input checked="" type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	Faint in bottle	Brown					
Gross Solids:	Severe	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				



o20100818092304.JPG

<b>Sampling Results</b>	
Sample Location:	Pool
Sample ID:	100818-77
Time Collected	09:30
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	0.5 ppm
pH (field):	7.46 units
Temperature (field):	73 °F
Conductivity (field):	-- µS/cm
Detergents:	0 mg/L
Phenol:	0 mg/L

<b>Inspection Date:</b> 9/10/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b> Abnormal detergent analysis result (bubbles). Significant floatables in manhole.			
Submerged: Fully		Depth (in): 33					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	Severe	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				



Osh09\_DSCN6763.JPG

<b>Sampling Results</b>	
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
Detergents:	0 mg/L
Phenol:	0 mg/L

# City of Oshkosh

**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): 24

Height/Depth (in):

Width (in):



o20130905082908.JPG

**Outfall Notes:**

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

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**


Northing: 473,749

Easting: 786,270

**Latitude/Longitude:**


Latitude: 44.01911


Longitude: -88.56360

<b>Inspection Date:</b> 9/5/2013 9:25:55 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> 2012 screening follow-up. Outfall fully submerged. Outfall screened upstream at 06-829 US1. Gross solids in upstream mh.			
Submerged: Fully	Depth (in): 45				
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables: None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity: None					
Color: None					
Gross Solids: None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth: None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains: None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>					
Graffiti: None					
Erosion: None					
Deposition: None	Depth (in):				
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			
					
		o20130905082920.JPG			
<b>Sampling Results</b>					
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					
Conductivity (field): -- µS/cm					
Detergents: -- mg/L					
Phenol: -- mg/L					

# City of Oshkosh

Outfall ID: 06-829

<b>Inspection Date:</b> 9/27/2012 12:33:16 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Outfall fully submerged; screened upstream at 06-829 US1.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			
						
o20120927113654.JPG						
<b>Sampling Results</b>						
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						
Conductivity (field): -- µS/cm						
Detergents: -- mg/L						
Phenol: -- mg/L						

<b>Inspection Date:</b> 6/13/2012 2:26:38 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged (not located)		<b>Notes:</b> Gross solids pre-screening.				
Submerged: Fully      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			
						
o20120613132730.JPG						
<b>Sampling Results</b>						
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						
Conductivity (field): -- µS/cm						
Detergents: -- mg/L						
Phenol: -- mg/L						



# City of Oshkosh

## 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):

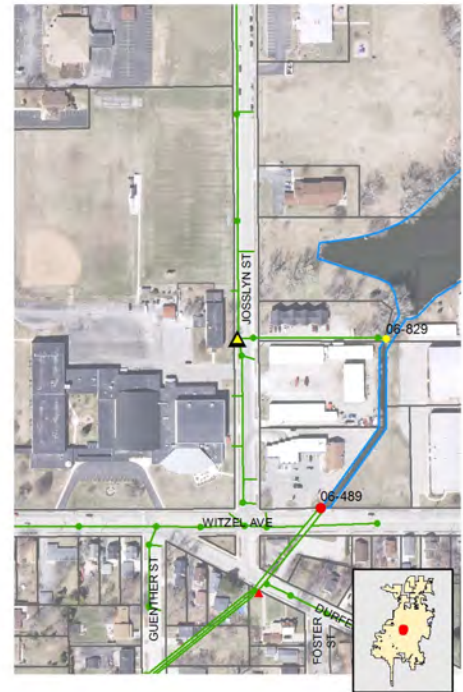


o20130905081956.JPG

### 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.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 473,756

Easting: 785,906

### Latitude/Longitude:

Latitude: 44.01913

Longitude: -88.56498

Inspection Date: 9/5/2013 9:16:05 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 35

Notes: 2012 screening follow-up. Significant gross solids in manhole - similar to previous years.

### 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

Turbidity: None

Color: None

Gross Solids: Severe

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130905082002.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130905-66

Time Collected 09:16

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.7 units

Temperature (field): 71 °F

Conductivity (field): 1666 µS/cm

Detergents: 0 mg/L


Phenol: -- mg/L



# City of Oshkosh

Outfall ID: 06-829 US1


<b>Inspection Date:</b> 9/27/2012 12:28:37 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b>				
Submerged: Fully      Depth (in): 30						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	Moderate	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	Slight	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120927113044.JPG

<b>Sampling Results</b>	
Sample Location:	Pool
Sample ID:	120927-89
Time Collected	12:26
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	0 ppm
pH (field):	7.72 units
Temperature (field):	64 °F
Conductivity (field):	1583 µS/cm
Detergents:	0 mg/L
Phenol:	-- mg/L

<b>Inspection Date:</b> 6/13/2012 2:30:25 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Gross solids pre-screening. Bottles in manhole.				
Submerged: Fully      Depth (in): 37						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	Severe	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	Slight	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120613133100.JPG

<b>Sampling Results</b>	
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
Detergents:	0 mg/L
Phenol:	0 mg/L

# City of Oshkosh

**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

Width (in): 10



o20130905075636.JPG

**Outfall Notes:**

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

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 473,965

Easting: 786,582

**Latitude/Longitude:**

Latitude: 44.01970

Longitude: -88.56241

**Inspection Date:** 9/5/2013 8:49:36 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 44

**Notes:** 2012 screening follow-up. Outfall fully submerged. Outfall screened upstream at 06-2241 US1.

**Illicit Discharge Potential:** Unlikely

☐ 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

**Turbidity:** None

**Color:** None

**Gross Solids:** None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

**Vegetation:** None

☐ Inhibited

☐ Excessive

**Benthic Growth:** Severe

☒ Green

☐ Brown

**Stains:** None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

**Non-illicit:** None

☐ Natural Sheen

☐ Natural Suds/Foam

**Physical Condition Assessment**

**Graffiti:** None

**Erosion:** None

**Deposition:** None

Depth (in):

**Damage:** None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130905075650.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

**Temperature (field):** -- °F

**Conductivity (field):** -- µS/cm


**Detergents:** -- mg/L

**Phenol:** -- mg/L

# City of Oshkosh

Outfall ID: 06-2241


<b>Inspection Date:</b> 9/27/2012 12:15:16 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Repeat	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Outfall partially submerged; screened upstream at 06-2241.				
Submerged: Partially      Depth (in): 36						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120927111938.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

<b>Inspection Date:</b> 6/20/2012 9:50:33 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 24-48		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Outfall partially submerged; screened upstream at 06-2241 US1.				
Submerged: Fully      Depth (in): 45						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	Moderate	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			




o20120620085346.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 06-2241

<b>Inspection Date:</b> 6/13/2012 2:13:03 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Gross solids pre-screening.				
Submerged: Fully      Depth (in): 45						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	<input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	<input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	<input type="text" value="None"/>					
Color:	<input type="text" value="None"/>					
Gross Solids:	<input type="text" value="None"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	<input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	<input type="text" value="None"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	<input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	<input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	<input type="text" value="None"/>					
Erosion:	<input type="text" value="None"/>					
Deposition:	<input type="text" value="None"/>	Depth (in):				
Damage:	<input type="text" value="None"/>	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120613131558.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130905075850.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 473,884

Easting: 786,580

### Latitude/Longitude:

Latitude: 44.01948

Longitude: -88.56242

Inspection Date: 9/5/2013 8:55:27 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: 2012 screening follow-up.

Submerged: Fully

Depth (in): 58

Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☒ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: Slight

☒ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130905075900.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130905-76

Time Collected: 08:55

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.34 units

Temperature (field): 69 °F


Conductivity (field): 438 µS/cm


Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 06-2241 US1


<b>Inspection Date:</b> 9/27/2012 12:18:11 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Repeat	<b>Previous Rainfall (hrs):</b> 72+
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Ammonia follow-up. Duckweed in manhole.		
Submerged: Fully      Depth (in): 54				
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables: <input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor: <input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine <input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant
Turbidity: <input type="text" value="None"/>				
Color: <input type="text" value="None"/>				
Gross Solids: <input type="text" value="None"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other
Vegetation: <input type="text" value="None"/>	<input checked="" type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive		
Benthic Growth: <input type="text" value="None"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown		
Stains: <input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other	
Non-illicit: <input type="text" value="Slight"/>	<input checked="" type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam		
<b>Physical Condition Assessment</b>				
Graffiti: None				
Erosion: None				
Deposition: None	Depth (in):			
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage		
				
o20120927112310.JPG				
<b>Sampling Results</b>				
Sample Location: Pool				
Sample ID: 120927-78				
Time Collected 12:12				
Total Chlorine (field): 0 ppm				
Free Chlorine (field): 0 ppm				
Total Copper (field): 0 ppm				
Ammonia (field): 0 ppm				
pH (field): 7.85 units				
Temperature (field): 63 °F				
Conductivity (field): 497 µS/cm				
Detergents: 0 mg/L				
Phenol: -- mg/L				

<b>Inspection Date:</b> 6/20/2012 9:54:44 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 24-48
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b>		
Submerged: Fully      Depth (in): 60				
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables: <input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor: <input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine <input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant
Turbidity: <input type="text" value="None"/>				
Color: <input type="text" value="None"/>				
Gross Solids: <input type="text" value="None"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other
Vegetation: <input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive		
Benthic Growth: <input type="text" value="Slight"/>	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown		
Stains: <input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other	
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam		
<b>Physical Condition Assessment</b>				
Graffiti: None				
Erosion: None				
Deposition: None	Depth (in):			
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage		
				
o20120620085526.JPG				
<b>Sampling Results</b>				
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				
Detergents: 0 mg/L				
Phenol: 0 mg/L				

# City of Oshkosh

Outfall ID: 06-2241 US1

<b>Inspection Date:</b> 6/13/2012 2:06:46 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Other	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Gross solids pre-screening				
Submerged: Fully		Depth (in): 52				
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	Faint	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input checked="" type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	Slight	<input checked="" type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120613130900.JPG

**Sampling Results**

Sample Location:	Pool
Sample ID:	120613-19
Time Collected	14:08
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	3 ppm
pH (field):	7.76 units
Temperature (field):	75 °F
Conductivity (field):	1034 µS/cm
Detergents:	0 mg/L
Phenol:	0 mg/L

# City of Oshkosh

## 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): 48

Height/Depth (in):

Width (in):



o20130703062722.JPG

### Outfall Notes:

Algoma Blvd storm sewer discharges to riprap channel from east.

### Location Map



### Mapping Precision:

☐ Not Physically Located

### County Coordinates:

Northing: 484,993

Easting: 785,032

### Latitude/Longitude:

Latitude: 44.04995

Longitude: -88.56834

Inspection Date: 7/3/2013 7:24:06 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 3

Notes: Sample collected from submerged pipe flow.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam



o20130703062810.JPG

### Sampling Results

Sample Location: Flow

Sample ID: 130703-86

Time Collected 07:31

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.1 units

Temperature (field): 65 °F

Conductivity (field): 1278 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):


Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



# City of Oshkosh

Outfall ID: 12-925

<b>Inspection Date:</b> 9/2/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, slight flow				<b>Notes:</b> Outfall partially submerged. Outfall screened upstream at 12-925 US2. Faint sulfide odor.			
Submerged: Partially		Depth (in): 4					
<b>Illicit Discharge Potential:</b> Unlikely				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	Faint	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input checked="" type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	Slight	<input checked="" type="checkbox"/> Green	<input checked="" type="checkbox"/> Brown				
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
							
Osh09_DSCN6305.JPG							
<b>Sampling Results</b>							
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							
Conductivity (field): -- µS/cm							
Detergents: -- mg/L							
Phenol: -- mg/L							

# City of Oshkosh

## 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

Width (in): 23

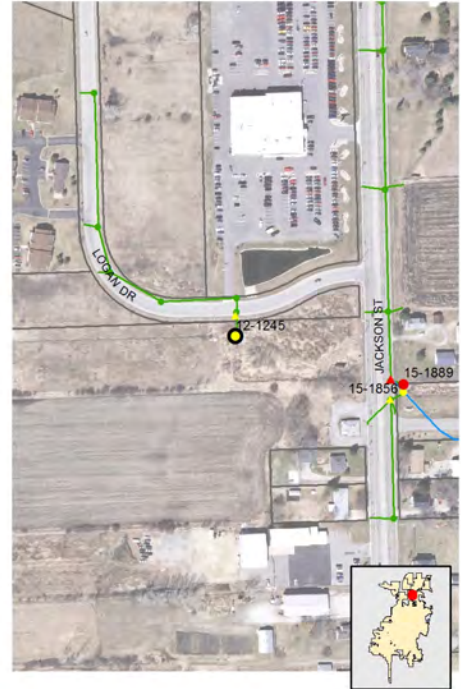


o20130716083202.JPG

### Outfall Notes:

Logan Dr storm sewer discharges to drainage swale from north.

## Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

489,025

Easting:

791,350

### Latitude/Longitude:

Latitude: 44.06102

Longitude: -88.54432

Inspection Date: 7/16/2013 9:26:44 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, no flow

Submerged: Partially Depth (in): 9

Notes: Outfall partially submerged. Outfall screened upstream at 12-1245 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☒ Litter ☒ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in): 2

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130716083222.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):

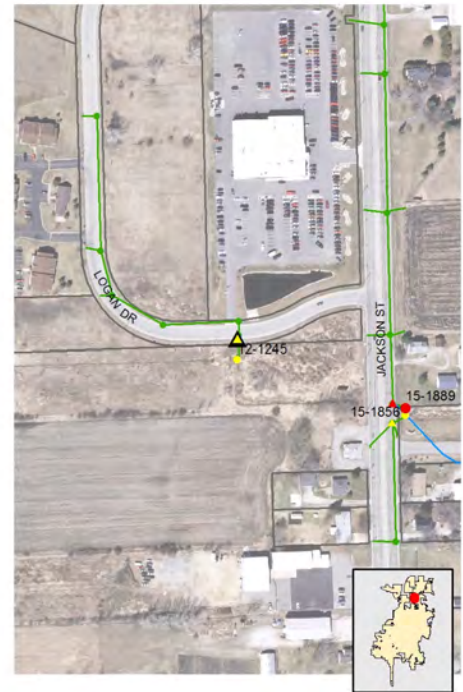


o20130716083706.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

489,075

Easting:

791,351

### Latitude/Longitude:

Latitude: 44.06116

Longitude: -88.54431

Inspection Date: 7/16/2013 9:30:32 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 8

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130716083712.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130716-09

Time Collected 09:32

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.89 units

Temperature (field): 80 °F

Conductivity (field): 806 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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



o20130702073950.JPG

### Outfall Notes:

Western Dr storm sewer discharges to concrete channel from east.

## Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 493,186

Easting: 790,312

### Latitude/Longitude:

Latitude: 44.07243

Longitude: -88.54827

<b>Inspection Date:</b> 7/2/2013 8:37:21 AM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Ongoing		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Trickle				<b>Notes:</b> Apron sediment wet, but no collectable flow leaving apron.			
Submerged: None		Depth (in):					
<b>Illicit Discharge Potential:</b> Unlikely				<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	Moderate	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	Minor	Depth (in): 2					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
<b>Sampling Results</b>							
Sample Location:		Flow					
Sample ID:		130702-88					
Time Collected		08:35					
Total Chlorine (field):		0 ppm					
Free Chlorine (field):		0 ppm					
Total Copper (field):		0 ppm					
Ammonia (field):		0 ppm					
pH (field):		7.8 units					
Temperature (field):		69 °F					
Conductivity (field):		1094 µS/cm					
Detergents:		0 mg/L					
Phenol:		-- mg/L					



o20130702073956.JPG



# City of Oshkosh

## 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):



o20130702065152.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 489,309

Easting: 790,229

### Latitude/Longitude:

Latitude: 44.06180

Longitude: -88.54858

Inspection Date: 7/2/2013 7:46:40 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 14

Notes: Outfall partially submerged. Outfall screened upstream at 12-1414 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☒ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702065206.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130702065700.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 489,524

Easting: 790,235

### Latitude/Longitude:

Latitude: 44.06239

Longitude: -88.54856

Inspection Date: 7/2/2013 7:53:15 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 10

Notes:

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in):

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702065706.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130702-76

Time Collected 07:55

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.48 units

Temperature (field): 69 °F

Conductivity (field): 1024 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130702071940.JPG

### Outfall Notes:

Vinland St storm sewer discharges to swale in County landfill.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 490,536

Easting: 787,730

### Latitude/Longitude:

Latitude: 44.06516

Longitude: -88.55809

Inspection Date: 7/2/2013 8:16:34 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 4

Notes: Sample collected from submerged flow at end of pipe.

### 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

Turbidity:

Color:

Gross Solids:  ☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☒ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in):

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702071948.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130702-51

Time Collected 08:16

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.77 units

Temperature (field): 67 °F

Conductivity (field): 768 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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): 21

Height/Depth (in):

Width (in):



o20130702104058.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 493,578

Easting: 778,012

### Latitude/Longitude:

Latitude: 44.07348

Longitude: -88.59507

Inspection Date: 7/2/2013 11:40:00 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 3

Notes: Outfall partially submerged. Outfall screened upstream at 12-1676 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☒ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702104116.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):

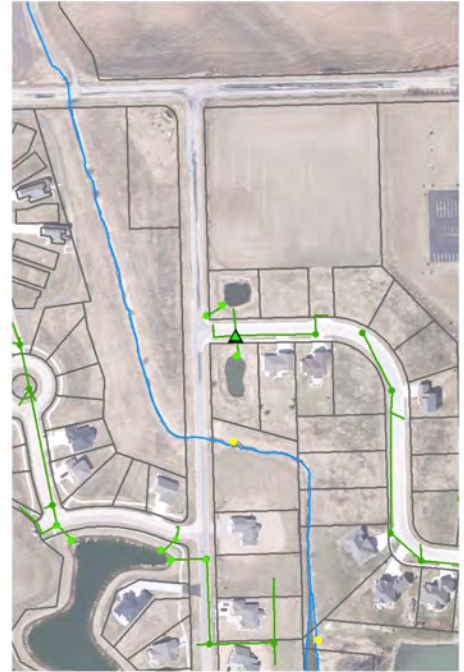


o20130702105558.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 493,627

Easting: 778,009

### Latitude/Longitude:

Latitude: 44.07361

Longitude: -88.59509

Inspection Date: 7/2/2013 11:53:38 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 3

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity:

None

Color:

None

Gross Solids:

None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation:

None

☐ Inhibited

☐ Excessive

Benthic Growth:

None

☐ Green

☐ Brown

Stains:

None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit:

None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130702105604.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130702-17

Time Collected 11:52

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.53 units

Temperature (field): 72 °F

Conductivity (field): 860 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):

Width (in):



o20130702110828.JPG

### Outfall Notes:

Shorewood Preserve Dr detention basin discharges to stream from north.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 493,369

Easting: 778,000

### Latitude/Longitude:

Latitude: 44.07291

Longitude: -88.59512

Inspection Date: 7/2/2013 12:01:45 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 7

Notes: Pond outlet-no upstream sample location.  
No sample collected.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 5

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130702110836.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



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.

### Location Map



#### Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

#### County Coordinates:

Northing: 492,832

Easting: 778,626

#### Latitude/Longitude:

Latitude: 44.07144

Longitude: -88.59274

Inspection Date: 7/16/2013 11:16:48 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

#### Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall not located due to dense algae mat. Screened upstream at 12-1682 US1.

#### Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

Floatables: Severe ☐ 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 ☐ Inhibited ☐ Excessive

Benthic Growth: None ☐ Green ☐ Brown

Stains: None ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

#### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130716102234.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):

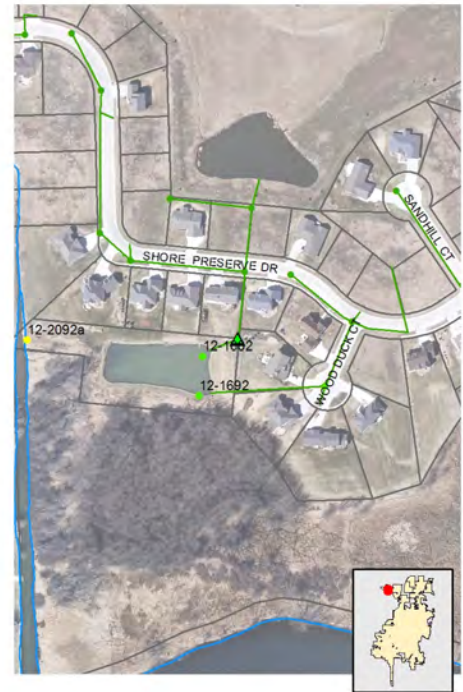


o20130716105408.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 492,873

Easting: 778,710

### Latitude/Longitude:

Latitude: 44.07155

Longitude: -88.59241

Inspection Date: 7/16/2013 11:50:52 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 28

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter ☒ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130716105414.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130716-44

Time Collected 11:52

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.7 units

Temperature (field): 82 °F

Conductivity (field): 793 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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): 24

Height/Depth (in):

Width (in):



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.

### Location Map



### Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

### County Coordinates:

Northing: 492,737

Easting: 778,615

### Latitude/Longitude:

Latitude: 44.07118

Longitude: -88.59278

Inspection Date: 7/16/2013 11:13:43 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall not located due to dense algae mat. Screened upstream at 12-1692 US1.

### Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-up

Floatables: Severe ☐ 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 ☐ Inhibited ☐ Excessive

Benthic Growth: None ☐ Green ☐ Brown

Stains: None ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130716101716.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



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.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 492,755

Easting: 778,922

### Latitude/Longitude:

Latitude: 44.07123

Longitude: -88.59161

Inspection Date: 7/17/2013 9:02:00 AM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 18

Notes: Follow-up screening for detergent. No detergent detected.

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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in):

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130717080230.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130717-43

Time Collected 09:02

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Total Copper (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 12-1692 US1

<b>Inspection Date:</b> 7/16/2013 11:38:06 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Detergent detection in manhole pool.		 o20130716104018.JPG
Submerged: Partially	Depth (in): 18			
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables: None	<input type="checkbox"/> Petrol. Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Sewage <input type="checkbox"/> Algae <input type="checkbox"/> Other			
Odor: None	<input type="checkbox"/> Petroleum <input type="checkbox"/> Musty <input type="checkbox"/> Sewage <input type="checkbox"/> Chlorine <input type="checkbox"/> Other			<b>Sampling Results</b> Sample Location: Pool Sample ID: 130716-65 Time Collected 11:37 Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Total Copper (field): 0 ppm Ammonia (field): 0 ppm pH (field): 7.32 units Temperature (field): 81 °F Conductivity (field): 871 µS/cm Detergents: 1.3 mg/L Phenol: -- mg/L
Turbidity: None	<input type="checkbox"/> VOC/Solvent <input type="checkbox"/> Fishy <input type="checkbox"/> Sulfur <input type="checkbox"/> Fragrant			
Color: None				
Gross Solids: None	<input type="checkbox"/> Litter <input type="checkbox"/> Debris <input type="checkbox"/> Sediment <input type="checkbox"/> Other			
Vegetation: None	<input type="checkbox"/> Inhibited <input type="checkbox"/> Excessive			
Benthic Growth: None	<input type="checkbox"/> Green <input type="checkbox"/> Brown			
Stains: None	<input type="checkbox"/> Flow Line <input type="checkbox"/> Oil <input type="checkbox"/> Rust Stains			
	<input type="checkbox"/> Corrosion <input type="checkbox"/> Paint <input type="checkbox"/> Other			
Non-illicit: None	<input type="checkbox"/> Natural Sheen <input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>				
Graffiti: None				
Erosion: None				
Deposition: None	Depth (in):			
Damage: None	<input type="checkbox"/> Displacement <input type="checkbox"/> Undercut <input type="checkbox"/> Crushed			
	<input type="checkbox"/> Corrosion <input type="checkbox"/> Cracks/Structural Damage			



# City of Oshkosh

## 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):



o20130716095238.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

492,800

Easting:

779,444

### Latitude/Longitude:

Latitude: 44.07135

Longitude: -88.58962

Inspection Date: 7/16/2013 10:45:34 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 4

Notes: Outfall partially submerged. Outfall screened upstream at 12-1700 US1.

### Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: Severe

☐ 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

☐ Inhibited

☐ Excessive

Benthic Growth: Severe

☒ 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

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130716095250.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130716095514.JPG

### Outfall Notes:

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

## Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 492,792

Easting: 779,385

### Latitude/Longitude:

Latitude: 44.07133

Longitude: -88.58985

Inspection Date: 7/16/2013 10:52:40 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 3

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130716095526.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130716-69

Time Collected 10:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.72 units

Temperature (field): 82 °F

Conductivity (field): 1056 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130716094032.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Survey GPS

☐ Not Physically Located

### County Coordinates:

Northing: 492,685

Easting: 779,519

### Latitude/Longitude:

Latitude: 44.07104

Longitude: -88.58934

Inspection Date: 7/16/2013 10:34:31 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 7

Notes: Outfall partially submerged. Outfall screened upstream at 12-1711 US1.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Moderate

☒ 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

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130716094036.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130716094338.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

492,660

Easting:

779,505

### Latitude/Longitude:

Latitude: 44.07097

Longitude: -88.58939

Inspection Date: 7/16/2013 10:40:04 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 4

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity:

None

Color:

None

Gross Solids:

None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation:

None

☐ Inhibited

☐ Excessive

Benthic Growth:

None

☐ Green

☐ Brown

Stains:

Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit:

None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130716094346.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130716-36

Time Collected 10:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.42 units

Temperature (field): 82 °F

Conductivity (field): 845 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

**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):



o20130702052808.JPG

**Outfall Notes:**

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

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 487,652

Easting: 787,769

**Latitude/Longitude:**

Latitude: 44.05725

Longitude: -88.55793

**Inspection Date:** 7/2/2013 6:22:49 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 13

**Notes:** Outfall partially submerged. Outfall screened upstream at 12-1781 US1.

**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

Turbidity:

Color:

Gross Solids:  ☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☒ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702052826.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

Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 12-1781

<b>Inspection Date:</b> 9/2/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> None		<b>Notes:</b> Wet, no flow.		 <i>Osh09_DSCN6289.JPG</i>		
Submerged: None	Depth (in): 0					
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up	<input type="checkbox"/> Office Follow-up			
Floatables: <input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage		<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: <input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage		<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity: <input type="text"/>						
Color: <input type="text"/>						
Gross Solids: <input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation: <input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth: <input type="text" value="Slight"/>	<input type="checkbox"/> Green	<input checked="" type="checkbox"/> Brown				
Stains: <input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	Depth (in): 1					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			
<b>Sampling Results</b>						
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						
Conductivity (field): -- µS/cm						
Detergents: -- mg/L						
Phenol: -- mg/L						



# City of Oshkosh

## 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):



o20130702053242.JPG

### Outfall Notes:

Upstream manhole located approx 60 ft N of outfall 12-1781. Intermediate area consists of street right-of-way.

## Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

487,712

Easting:

787,768

### Latitude/Longitude:

Latitude: 44.05741

Longitude: -88.55794

Inspection Date: 7/2/2013 6:27:31 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 6

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity:

None

Color:

None

Gross Solids:

None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation:

None

☐ Inhibited

☐ Excessive

Benthic Growth:

None

☐ Green

☐ Brown

Stains:

Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit:

None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130702053252.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130702-54

Time Collected 06:31

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.93 units

Temperature (field): 70 °F

Conductivity (field): 558 µS/cm

Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

## 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):



o20130702054512.JPG

### Outfall Notes:

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

## Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 487,795

Easting: 788,111

### Latitude/Longitude:

Latitude: 44.05764

Longitude: -88.55663

Inspection Date: 7/2/2013 6:39:06 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 12

Notes: Outfall partially submerged. Outfall screened upstream at 12-1793 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702054518.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

Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 12-1793

<b>Inspection Date:</b> 9/2/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+
<b>Flow Description:</b> None		<b>Notes:</b>		 <i>Osh09_DSCN6295.JPG</i>
Submerged: None	Depth (in): 0			
<b>Illicit Discharge Potential:</b> Unlikely	<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables: <input type="text"/>	<input type="checkbox"/> Petrol. Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Sewage <input type="checkbox"/> Algae <input type="checkbox"/> Other			
Odor: <input type="text"/>	<input type="checkbox"/> Petroleum <input type="checkbox"/> Musty <input type="checkbox"/> Sewage <input type="checkbox"/> Chlorine <input type="checkbox"/> Other			
	<input type="checkbox"/> VOC/Solvent <input type="checkbox"/> Fishy <input type="checkbox"/> Sulfur <input type="checkbox"/> Fragrant			
Turbidity: <input type="text"/>				
Color: <input type="text"/>				
Gross Solids: <input type="text"/>	<input type="checkbox"/> Litter <input type="checkbox"/> Debris <input type="checkbox"/> Sediment <input type="checkbox"/> Other			
Vegetation: <input type="text"/>	<input type="checkbox"/> Inhibited <input type="checkbox"/> Excessive			
Benthic Growth: <input type="text"/>	<input type="checkbox"/> Green <input type="checkbox"/> Brown			
Stains: <input type="text"/>	<input type="checkbox"/> Flow Line <input type="checkbox"/> Oil <input type="checkbox"/> Rust Stains			
	<input type="checkbox"/> Corrosion <input type="checkbox"/> Paint <input type="checkbox"/> Other			
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen <input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>				
Graffiti: None				
Erosion: None				
Deposition: None	Depth (in): 0			
Damage: None	<input type="checkbox"/> Displacement <input type="checkbox"/> Undercut <input type="checkbox"/> Crushed			
	<input type="checkbox"/> Corrosion <input type="checkbox"/> Cracks/Structural Damage			
<b>Sampling Results</b>				
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				
Conductivity (field): -- µS/cm				
Detergents: -- mg/L				
Phenol: -- mg/L				



# City of Oshkosh

## 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):



o20130702055346.JPG

### Outfall Notes:

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

## Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 487,814

Easting: 788,088

### Latitude/Longitude:

Latitude: 44.05770

Longitude: -88.55672

Inspection Date: 7/2/2013 6:51:41 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 5

Notes:

### Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor: Easily detected

☐ Petroleum

☒ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: Slight

☒ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130702055354.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130702-47

Time Collected 06:51

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.98 units

Temperature (field): 70 °F

Conductivity (field): 466 µS/cm

Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

## 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):

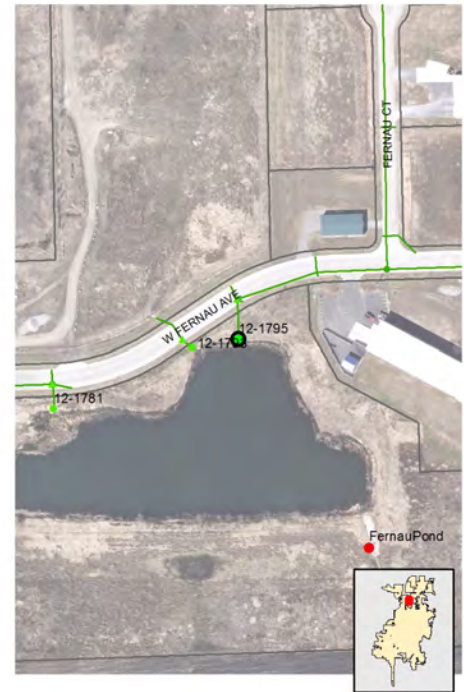


o20130702054920.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 487,813

Easting: 788,224

### Latitude/Longitude:


Latitude: 44.05769

Longitude: -88.55621

<b>Inspection Date:</b> 7/2/2013 6:45:34 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Outfall partially submerged. Outfall screened upstream at 12-1795 US1. Tree growing on apron.				
Submerged: Partially      Depth (in): 12						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	Slight	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	Slight	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			
<b>Sampling Results</b>						
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						
Conductivity (field): -- µS/cm						
Detergents: -- mg/L						
Phenol: -- mg/L						

# City of Oshkosh

Outfall ID: 12-1795

<b>Inspection Date:</b> 9/2/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+			
<b>Flow Description:</b> None		<b>Notes:</b>					
Submerged: None      Depth (in): 0							
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up					
Floatables:	<input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds		<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	<input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty		<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy		<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	<input type="text"/>						
Color:	<input type="text"/>						
Gross Solids:	<input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris		<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	<input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	<input type="text"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	<input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	<input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
<b>Sampling Results</b>							
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							
Conductivity (field): -- µS/cm							
Detergents: -- mg/L							
Phenol: -- mg/L							



# City of Oshkosh

## Outfall ID: 12-1795 US1

Supplemental Outfall - Alternate Location

### Structure Type:

Manhole

### Discharge Location:

Downstream Outfall

### Shape:

Manhole/Catchbasin

### Material:

Manhole - concrete

### City ID:

12-1795

### Drainage Basin:

Fernau Ave

### Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

**Photo Not Available**

### Outfall Notes:

Upstream manhole located approx 97 ft N of outfall 12-1795. Intermediate area consists of street right-of-way.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 487,911

Easting: 788,223

### Latitude/Longitude:

Latitude: 44.05796

Longitude: -88.55621

Inspection Date: 7/2/2013 6:59:22 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 7

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: Moderate

☒ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage

**Photo Not Available**

### Sampling Results

Sample Location: Pool

Sample ID: 130702-57

Time Collected 07:00

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 9.21 units

Temperature (field): 71 °F

Conductivity (field): 416 µS/cm

Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

## 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):



o20130702104626.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 493,703

Easting: 777,979

### Latitude/Longitude:

Latitude: 44.07382

Longitude: -88.59520

Inspection Date: 7/2/2013 11:40:12 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 2

Notes: Outfall partially submerged. Outfall screened upstream at 12-1916 US1. Minor crack on apron walls.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☒ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor

Depth (in): 1

Damage: Minor

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☒ Cracks/Structural Damage



o20130702104638.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130702105034.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 493,678

Easting: 777,938

### Latitude/Longitude:

Latitude: 44.07376

Longitude: -88.59536

Inspection Date: 7/2/2013 11:47:05 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None

Depth (in):

Notes: Water in sump but no flow leaving through outlet pipe.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☐ Litter

☒ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130702105046.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130703060334.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

485,621

Easting:

784,663

### Latitude/Longitude:

Latitude: 44.05167

Longitude: -88.56974

Inspection Date: 7/3/2013 7:00:33 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 9

Notes: Outfall partially submerged. Outfall screened upstream at 12-2026 US1.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☐ Litter

☒ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ 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

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130703060346.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130703061046.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

485,623

Easting:

784,675

### Latitude/Longitude:

Latitude: 44.05168

Longitude: -88.56970

Inspection Date: 7/3/2013 7:14:04 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 6

Notes: Isolated petroleum on surface - likely from street runoff.

### Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: Slight

☒ 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

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130703061054.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130703-84

Time Collected 07:02

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.54 units

Temperature (field): 67 °F

Conductivity (field): 880 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130702112036.JPG

#### Outfall Notes:

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

### Location Map



#### Mapping Precision:

Mapping GPS

☐ Not Physically Located

#### County Coordinates:

Northing: 493,106

Easting: 777,818

#### Latitude/Longitude:

Latitude: 44.07219

Longitude: -88.59581

Inspection Date: 7/2/2013 12:14:37 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

#### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 2

Notes: Outfall partially submerged. Outfall screened upstream at 12-2075 US1.

#### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

#### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130702112100.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130702113312.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 493,136

Easting: 777,854

### Latitude/Longitude:

Latitude: 44.07227

Longitude: -88.59567

Inspection Date: 7/2/2013 12:31:01 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 2

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: 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

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702113322.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130702-63

Time Collected 12:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.62 units

Temperature (field): 76 °F

Conductivity (field): 601 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130702112506.JPG

#### Outfall Notes:

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

### Location Map



#### Mapping Precision:

Mapping GPS

☐ Not Physically Located

#### County Coordinates:

Northing: 493,134

Easting: 777,600

#### Latitude/Longitude:

Latitude: 44.07226

Longitude: -88.59664

Inspection Date: 7/2/2013 12:18:42 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

#### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 3

Notes:

#### Illicit Discharge Potential: Unlikely

☐ 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 ☐ Inhibited ☐ Excessive

Benthic Growth: Slight ☐ 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

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702112524.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):

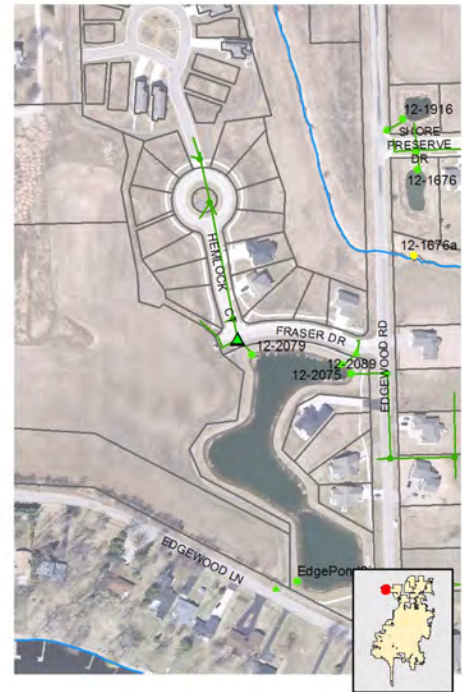


o20130702112826.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

493,173

Easting:

777,565

### Latitude/Longitude:

Latitude: 44.07237

Longitude: -88.59678

Inspection Date: 7/2/2013 12:24:58 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None

Depth (in):

Notes: Manhole dry at time of inspection.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130702112836.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):

Width (in):



o20130702111636.JPG

#### Outfall Notes:

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

### Location Map



#### Mapping Precision:

Mapping GPS

☐ Not Physically Located

#### County Coordinates:

Northing:

493,083

Easting:

777,842

#### Latitude/Longitude:

Latitude: 44.07212

Longitude: -88.59572

Inspection Date: 7/2/2013 12:11:24 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

#### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 3

Notes: Outfall partially submerged. Outfall screened upstream at 12-2089 US1.

#### Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: Severe

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☒ Algae

☐ Other

Odor: None

☐ Petroleum

☐ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☐ Litter

☒ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Moderate

☒ 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

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130702111644.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):

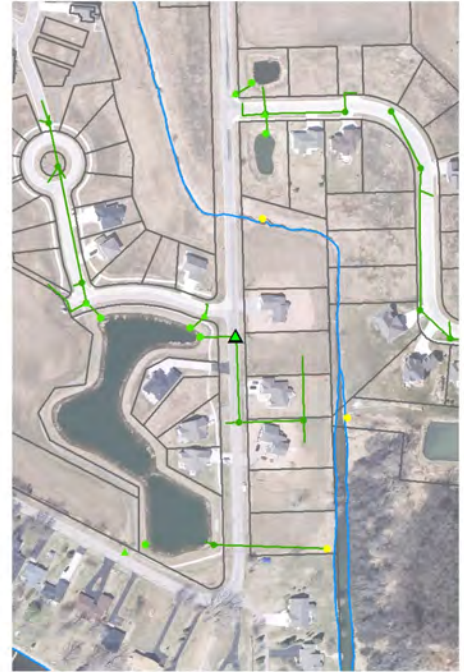


o20130702114138.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 493,085

Easting: 777,928

### Latitude/Longitude:

Latitude: 44.07213

Longitude: -88.59539

Inspection Date: 7/2/2013 12:39:48 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 1

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702114148.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130702-61

Time Collected 12:36

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.08 units

Temperature (field): 74 °F

Conductivity (field): 1049 µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130716103252.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 492,880

Easting: 778,198

### Latitude/Longitude:

Latitude: 44.07157

Longitude: -88.59436

Inspection Date: 7/16/2013 11:26:44 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Moderate

Submerged: None

Depth (in):

Notes: No upstream screening location - sample collected from outfall pool. Apron displaced 4".

### Illicit Discharge Potential: Unlikely

☐ 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

☐ Inhibited

☐ Excessive

Benthic Growth: Severe

☒ 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

Erosion: None

Deposition: None

Depth (in):

Damage: Moderate

☒ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130716103302.JPG

### Sampling Results

Sample Location: Flow

Sample ID: 130716-71

Time Collected 11:28

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.81 units

Temperature (field): 80 °F

Conductivity (field): 796 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):

Width (in):



o20130716112522.JPG

### Outfall Notes:

Discharge from detention basin discharges to stream from west.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 492,561

Easting: 778,143

### Latitude/Longitude:

Latitude: 44.07069

Longitude: -88.59457

Inspection Date: 7/16/2013 12:20:03 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None Depth (in):

Notes: Flowline wet, but no collectable flow at time of inspection.

### 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

Turbidity:

Color:

Gross Solids:  ☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130716112548.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):

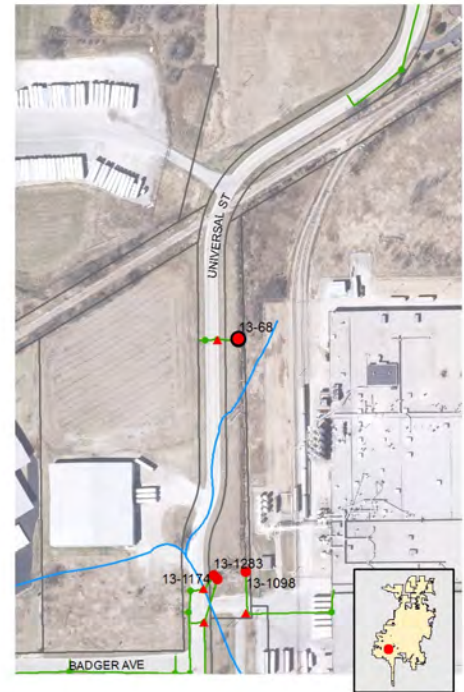


o20130730081150.JPG

### Outfall Notes:

Universal St storm sewer discharges to stream from west.

## Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 464,494

Easting: 778,343

### Latitude/Longitude:

Latitude: 43.99370

Longitude: -88.59369

Inspection Date: 7/30/2013 9:08:31 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 2

Notes: Outfall partially submerged. Outfall submerged upstream at 13-68 US1.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☒ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☒ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor

Depth (in): 1

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730081156.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm


Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 13-68

<b>Inspection Date:</b> 9/3/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> None		<b>Notes:</b> Wet, but no flow leaving pipe.				
Submerged: None      Depth (in): 0						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	<input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	<input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	<input type="text"/>					
Color:	<input type="text"/>					
Gross Solids:	<input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	<input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	<input type="text"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	<input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	<input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	Depth (in): 1					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



Osh09\_DSCN6413.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L



# City of Oshkosh

## 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):

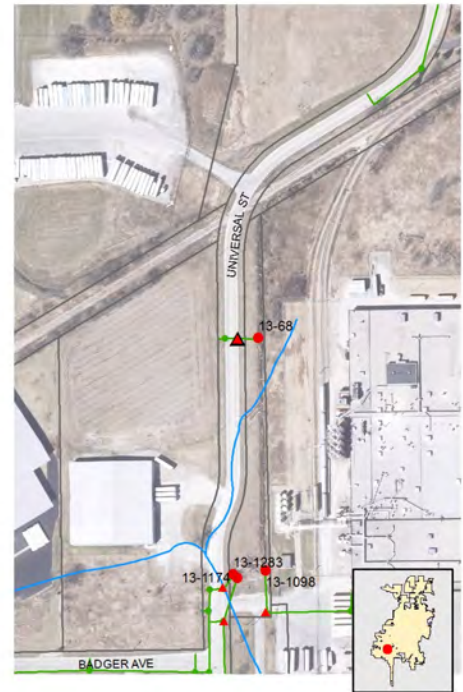


o20130730081600.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 464,491

Easting: 778,292

### Latitude/Longitude:

Latitude: 43.99370

Longitude: -88.59388

Inspection Date: 7/30/2013 9:13:48 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 2

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☒ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730081608.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130730-70

Time Collected 09:11

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.43 units

Temperature (field): 71 °F

Conductivity (field): 1923 µS/cm

Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

## 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):



o20130730070404.JPG

### Outfall Notes:

Storm sewer discharges to channel from south.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 463,926

Easting: 778,351

### Latitude/Longitude:

Latitude: 43.99214

Longitude: -88.59366

Inspection Date: 7/30/2013 7:57:44 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Pipe not located in grassy stream bank. Screened upstream at 13-1098 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730070410.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

Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 13-1098

<b>Inspection Date:</b> 9/3/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b>				
Submerged: Partially      Depth (in): 23						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	<input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	<input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	<input type="text"/>					
Color:	<input type="text"/>					
Gross Solids:	<input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	<input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	<input type="text"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	<input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	<input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	Depth (in): 18					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			
<b>Sampling Results</b>						
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						
Conductivity (field): -- µS/cm						
Detergents: -- mg/L						
Phenol: -- mg/L						



# City of Oshkosh

## 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):

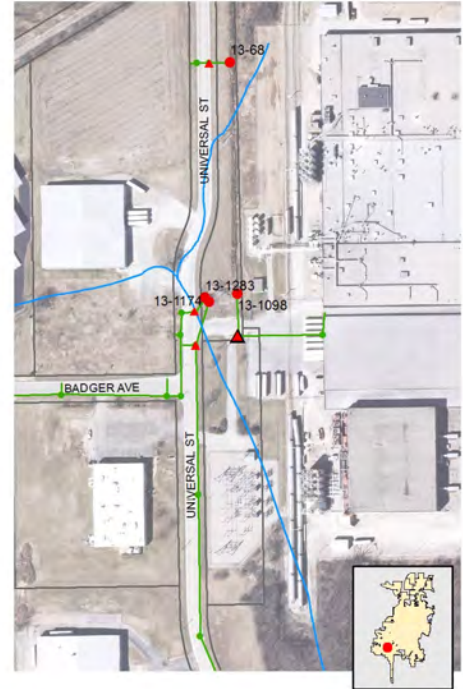


o20130730073628.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 463,823

Easting: 778,349

### Latitude/Longitude:

Latitude: 43.99186

Longitude: -88.59366

Inspection Date: 7/30/2013 8:33:34 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 22

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☐ Litter ☒ Debris ☒ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 2

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730073636.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130730-59

Time Collected 08:32

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.4 units

Temperature (field): 65 °F

Conductivity (field): 1654 µS/cm


Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

Outfall ID: 13-1098 US1

<b>Inspection Date:</b> 9/3/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> <div style="border: 1px solid black; height: 40px;"></div>				
Submerged: Partially      Depth (in): 13						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
<b>Floatables:</b>	<input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
<b>Odor:</b>	<input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
<b>Turbidity:</b>	<input type="text"/>					
<b>Color:</b>	<input type="text"/>					
<b>Gross Solids:</b>	<input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
<b>Vegetation:</b>	<input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
<b>Benthic Growth:</b>	<input type="text"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
<b>Stains:</b>	<input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
<b>Non-illicit:</b>	<input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
<b>Graffiti:</b>	None					
<b>Erosion:</b>	None					
<b>Deposition:</b>	None	Depth (in): 0				
<b>Damage:</b>	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



Osh09\_DSCN6853.JPG

**Sampling Results**

Sample Location:	Pool
Sample ID:	090903-35
Time Collected	10:52
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	-- ppm
pH (field):	7.09 units
Temperature (field):	70 °F
Conductivity (field):	-- µS/cm
Detergents:	0 mg/L
Phenol:	0 mg/L

# City of Oshkosh

## 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



o20130730071544.JPG

### Outfall Notes:

Universal St storm sewer discharges to channel from west.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 463,908

Easting: 778,282

### Latitude/Longitude:

Latitude: 43.99210

Longitude: -88.59392

Inspection Date: 7/30/2013 8:07:14 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 23

Notes: Significant woody branches and roots blocking end of pipe. Partially submerged - screened upstream at 13-1174 US1.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity:

None

Color:

None

Gross Solids:

Slight

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation:

None

☐ Inhibited

☐ Excessive

Benthic Growth:

None

☐ Green

☐ Brown

Stains:

Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit:

None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730071554.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm


Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

Outfall ID: 13-1174

<b>Inspection Date:</b> 9/3/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+									
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b>											
Submerged: Partially      Depth (in): 34															
<b>Illicit Discharge Potential:</b> Unlikely				<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up											
Floatables: <input type="text"/>		<input type="checkbox"/> Petrol. Sheen		<input type="checkbox"/> Suds		<input type="checkbox"/> Sewage									
Odor: <input type="text"/>		<input type="checkbox"/> Petroleum		<input type="checkbox"/> Musty		<input type="checkbox"/> Sewage									
Turbidity: <input type="text"/>		<input type="checkbox"/> VOC/Solvent		<input type="checkbox"/> Fishy		<input type="checkbox"/> Sulfur									
Color: <input type="text"/>		<input type="checkbox"/> Litter		<input type="checkbox"/> Debris		<input type="checkbox"/> Sediment									
Gross Solids: <input type="text"/>		<input type="checkbox"/> Inhibited		<input type="checkbox"/> Excessive		<input type="checkbox"/> Other									
Vegetation: <input type="text"/>		<input type="checkbox"/> Green		<input type="checkbox"/> Brown		<input type="checkbox"/> Rust Stains									
Benthic Growth: <input type="text"/>		<input type="checkbox"/> Flow Line		<input type="checkbox"/> Oil		<input type="checkbox"/> Corrosion									
Stains: <input type="text"/>		<input type="checkbox"/> Paint		<input type="checkbox"/> Other		<input type="checkbox"/> Natural Sheen									
Non-illicit: <input type="text" value="None"/>		<input type="checkbox"/> Natural Suds/Foam													
<b>Physical Condition Assessment</b>															
Graffiti: None															
Erosion: None															
Deposition:      Depth (in): 7															
Damage: None		<input type="checkbox"/> Displacement		<input type="checkbox"/> Undercut		<input type="checkbox"/> Crushed									
		<input type="checkbox"/> Corrosion		<input type="checkbox"/> Cracks/Structural Damage											
 Osh09_DSCN6420.JPG															
								<b>Sampling Results</b>							
								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															
Conductivity (field): -- µS/cm															
Detergents: -- mg/L															
Phenol: -- mg/L															

# City of Oshkosh

## 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):

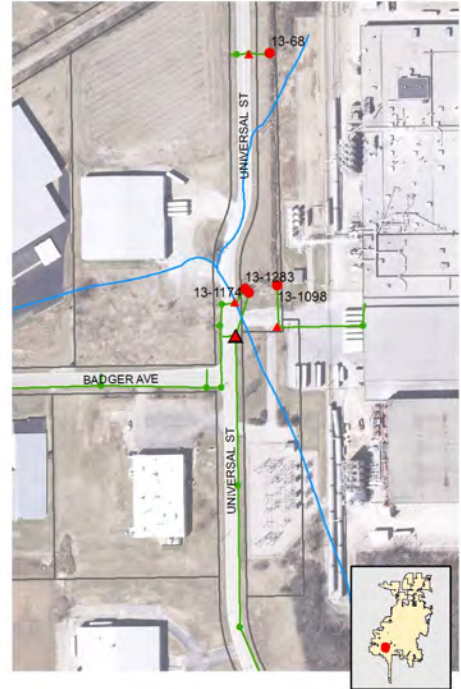


o20130730073044.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 463,803

Easting: 778,246

### Latitude/Longitude:

Latitude: 43.99181

Longitude: -88.59405

Inspection Date: 7/30/2013 8:27:20 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 21

Notes:

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in):

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730073052.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130730-03

Time Collected 08:25

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.19 units

Temperature (field): 65 °F

Conductivity (field): 1606 µS/cm


Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

Outfall ID: 13-1174 US1

<b>Inspection Date:</b> 9/3/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b>				
Submerged: Partially      Depth (in): 25						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
<b>Floatables:</b>	<input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
<b>Odor:</b>	<input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
<b>Turbidity:</b>	<input type="text"/>					
<b>Color:</b>	<input type="text"/>					
<b>Gross Solids:</b>	<input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
<b>Vegetation:</b>	<input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
<b>Benthic Growth:</b>	<input type="text"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
<b>Stains:</b>	<input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
<b>Non-illicit:</b>	<input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
<b>Graffiti:</b>	None					
<b>Erosion:</b>	None					
<b>Deposition:</b>	None	Depth (in): 0				
<b>Damage:</b>	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



Osh09\_DSCN6850.JPG

**Sampling Results**

Sample Location:	Pool
Sample ID:	090903-40
Time Collected	10:26
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	-- ppm
pH (field):	8.04 units
Temperature (field):	69 °F
Conductivity (field):	-- µS/cm
Detergents:	0 mg/L
Phenol:	0 mg/L



# City of Oshkosh

## 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

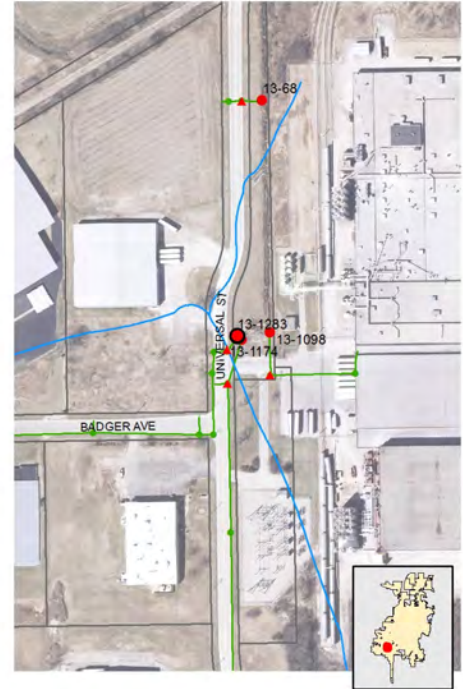


o20130730070818.JPG

### Outfall Notes:

Universal St storm sewer discharges to channel from west.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 463,918

Easting: 778,272

### Latitude/Longitude:

Latitude: 43.99212

Longitude: -88.59396

Inspection Date: 7/30/2013 8:06:45 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 28

Notes: Outfall partially submerged. Outfall screened upstream at 13-1283 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☒ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 16

Damage: Minor ☐ Displacement ☐ Undercut ☐ Crushed

☒ Corrosion ☐ Cracks/Structural Damage



o20130730070826.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

Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 13-1283

<b>Inspection Date:</b> 9/3/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b>			
Submerged: Partially      Depth (in): 33							
<b>Illicit Discharge Potential:</b> Unlikely				<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables: <input type="text"/>		<input type="checkbox"/> Petrol. Sheen		<input type="checkbox"/> Suds		<input type="checkbox"/> Sewage	
Odor: <input type="text"/>		<input type="checkbox"/> Petroleum		<input type="checkbox"/> Musty		<input type="checkbox"/> Sewage	
Turbidity: <input type="text"/>		<input type="checkbox"/> VOC/Solvent		<input type="checkbox"/> Fishy		<input type="checkbox"/> Sulfur	
Color: <input type="text"/>		<input type="checkbox"/> Litter		<input type="checkbox"/> Debris		<input type="checkbox"/> Sediment	
Gross Solids: <input type="text"/>		<input type="checkbox"/> Inhibited		<input type="checkbox"/> Excessive		<input type="checkbox"/> Other	
Vegetation: <input type="text"/>		<input type="checkbox"/> Green		<input type="checkbox"/> Brown		<input type="checkbox"/> Rust Stains	
Benthic Growth: <input type="text"/>		<input type="checkbox"/> Flow Line		<input type="checkbox"/> Oil		<input type="checkbox"/> Corrosion	
Stains: <input type="text"/>		<input type="checkbox"/> Corrosion		<input type="checkbox"/> Paint		<input type="checkbox"/> Other	
Non-illicit: <input type="text" value="None"/>		<input type="checkbox"/> Natural Sheen		<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>							
Graffiti: None							
Erosion: None							
Deposition:      Depth (in): 17							
Damage: None		<input type="checkbox"/> Displacement <input type="checkbox"/> Undercut <input type="checkbox"/> Crushed					
		<input type="checkbox"/> Corrosion <input type="checkbox"/> Cracks/Structural Damage					
<div style="float: right; text-align: center;"> Osh09_DSCN6417.JPG</div>							
<b>Sampling Results</b>							
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							
Conductivity (field): -- µS/cm							
Detergents: -- mg/L							
Phenol: -- mg/L							

# City of Oshkosh

## 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):

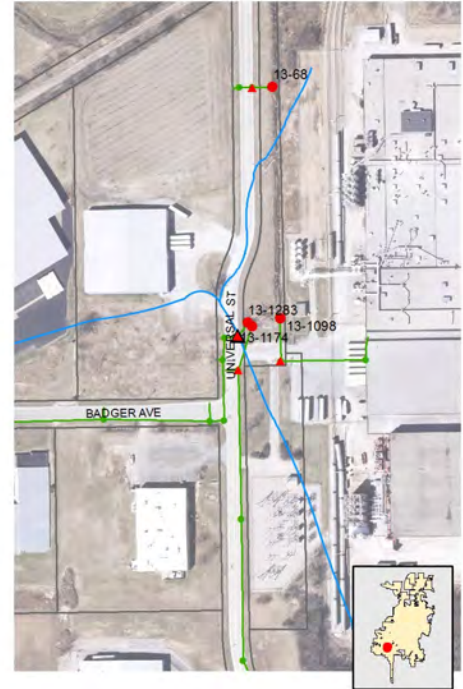


o20130730072300.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

463,885

Easting:

778,246

### Latitude/Longitude:

Latitude: 43.99203

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

Submerged: Partially

Depth (in): 16

Notes:

Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730072308.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130730-11

Time Collected 08:17

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.59 units

Temperature (field): 66 °F

Conductivity (field): 1221 µS/cm


Detergents: 0 mg/L

Phenol: 0 mg/L



# City of Oshkosh

Outfall ID: 13-1283 US1

<b>Inspection Date:</b> 9/3/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+			
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b>					
Submerged: Partially      Depth (in): 21							
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up	<input type="checkbox"/> Office Follow-up				
Floatables:	<input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds		<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	<input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty		<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	<input type="text"/>						
Color:	<input type="text"/>						
Gross Solids:	<input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	<input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	<input type="text"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	<input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	<input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
<b>Sampling Results</b>							
Sample Location:					Pool		
Sample ID:					090903-32		
Time Collected					10:19		
Total Chlorine (field):					0 ppm		
Free Chlorine (field):					0 ppm		
Total Copper (field):					0 ppm		
Ammonia (field):					-- ppm		
pH (field):					7.32 units		
Temperature (field):					69 °F		
Conductivity (field):					-- µS/cm		
Detergents:					0 mg/L		
Phenol:					0 mg/L		

# City of Oshkosh

## 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):



o20130730053858.JPG

### Outfall Notes:

Universal St storm sewer discharges to stream from east.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 461,358

Easting: 778,523

### Latitude/Longitude:

Latitude: 43.98510

Longitude: -88.59299

Inspection Date: 7/30/2013 6:33:19 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Trickle

Submerged: None

Depth (in):

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☒ 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

Erosion: None

Deposition: Minor Depth (in): 3

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730053908.JPG

### Sampling Results

Sample Location: Flow

Sample ID: 130730-22

Time Collected 06:35

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.38 units

Temperature (field): 63 °F

Conductivity (field): 1764 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130731110616.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 465,806

Easting: 783,302

### Latitude/Longitude:

Latitude: 43.99731

Longitude: -88.57485

Inspection Date: 7/31/2013 12:02:13 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 2

Notes: Water in pipe. Screened at 13-1716 US1.

### Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables:

None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor:

Easily detected

☐ Petroleum

☐ Musty

☒ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity:

None

Color:

None

Gross Solids:

None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation:

None

☐ Inhibited

☐ Excessive

Benthic Growth:

Moderate

☒ Green

☐ Brown

Stains:

Severe

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit:

None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130731110622.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm


Detergents: -- mg/L


Phenol: -- mg/L



# City of Oshkosh

Outfall ID: 13-1716

<b>Inspection Date:</b> 9/27/2012 10:55:26 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Repeat	<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, no flow		<b>Notes:</b> Ammonia/detergent follow-up. Outfall partially submerged; screened at 13-1716 US1.			
Submerged: Partially      Depth (in): 0.5					
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables: None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity: None					
Color: None					
Gross Solids: None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth: Slight	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains: Slight	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>					
Graffiti: None					
Erosion: None					
Deposition: None	Depth (in):				
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			
					
o20120927095708.JPG					
<b>Sampling Results</b>					
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					
Conductivity (field): -- µS/cm					
Detergents: -- mg/L					
Phenol: -- mg/L					

<b>Inspection Date:</b> 6/12/2012 11:38:57 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Sediment and vegetation buildup on apron blocking flow. Screened upstream (downstream) at 13-1716 US1.			
Submerged: Partially      Depth (in): 2					
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables: None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity: None					
Color: None					
Gross Solids: Slight	<input checked="" type="checkbox"/> Litter	<input checked="" type="checkbox"/> Debris	<input checked="" type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth: Moderate	<input type="checkbox"/> Green	<input checked="" type="checkbox"/> Brown			
Stains: Slight	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>					
Graffiti: None					
Erosion: None					
Deposition: Moderate	Depth (in): 8				
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			
					
o20120612104120.JPG					
<b>Sampling Results</b>					
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					
Conductivity (field): -- µS/cm					
Detergents: -- mg/L					
Phenol: -- mg/L					

# City of Oshkosh

## 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):



o2013073111008.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.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 465,789

Easting: 783,305

### Latitude/Longitude:

Latitude: 43.99727

Longitude: -88.57484

Inspection Date: 7/31/2013 12:07:12 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 2

Notes:

Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: Slight cloudiness

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☐ 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

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o2013073111022.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130731-37

Time Collected 12:10

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 1 ppm

pH (field): 7.81 units

Temperature (field): 75 °F

Conductivity (field): 632 µS/cm


Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 13-1716 US1


<b>Inspection Date:</b> 9/27/2012 10:59:11 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Repeat	<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Ammonia/detergent follow-up.			
Submerged: Partially      Depth (in): 2					
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables: None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity: Slight cloudiness					
Color: Faint in bottle	Dark/Black				
Gross Solids: None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth: Slight	<input type="checkbox"/> Green	<input checked="" type="checkbox"/> Brown			
Stains: Slight	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>					
Graffiti: None					
Erosion: None					
Deposition: None	Depth (in):				
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120927100116.JPG

<b>Sampling Results</b>	
Sample Location:	Pool
Sample ID:	120927-97
Time Collected	11:00
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	0 ppm
pH (field):	7.88 units
Temperature (field):	64 °F
Conductivity (field):	686 µS/cm
Detergents:	0 mg/L
Phenol:	-- mg/L

<b>Inspection Date:</b> 6/12/2012 11:42:38 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Black pool on flowline with petroleum odor.			
Submerged: Partially      Depth (in): 2					
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables: None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: Faint	<input checked="" type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input checked="" type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity: Cloudy					
Color: Clearly visible in bottle	Dark/Black				
Gross Solids: Slight	<input type="checkbox"/> Litter	<input checked="" type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth: None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains: Moderate	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit: Moderate	<input checked="" type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>					
Graffiti: None					
Erosion: None					
Deposition: None	Depth (in):				
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120612104548.JPG

<b>Sampling Results</b>	
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
Conductivity (field):	1011 µS/cm
Detergents:	1.3 mg/L
Phenol:	0 mg/L



# City of Oshkosh

## 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): 30

Height/Depth (in):

Width (in):

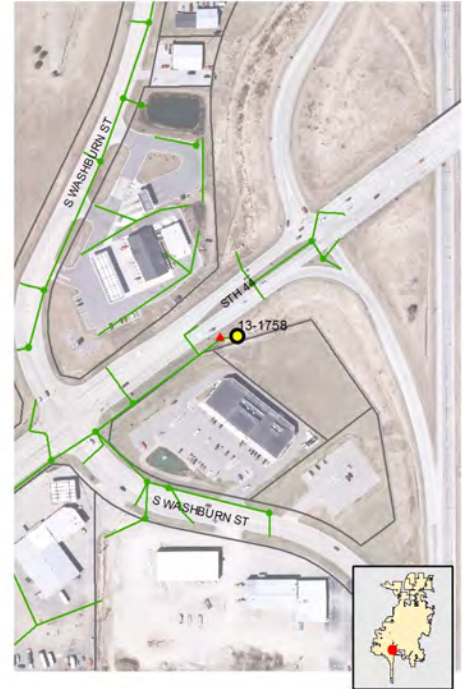


o20130730063254.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 462,715

Easting: 780,701

### Latitude/Longitude:

Latitude: 43.98883

Longitude: -88.58472

Inspection Date: 7/30/2013 7:19:09 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 30

Notes: Oil containment booms still present in downstream pool. Outfall fully submerged. Screened upstream at 13-1758 US1.

### Illicit Discharge Potential: Potential

☐ Field Follow-up

☐ Office Follow-up

Floatables: Slight

☒ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: Faint

☒ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 10

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730062618.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):

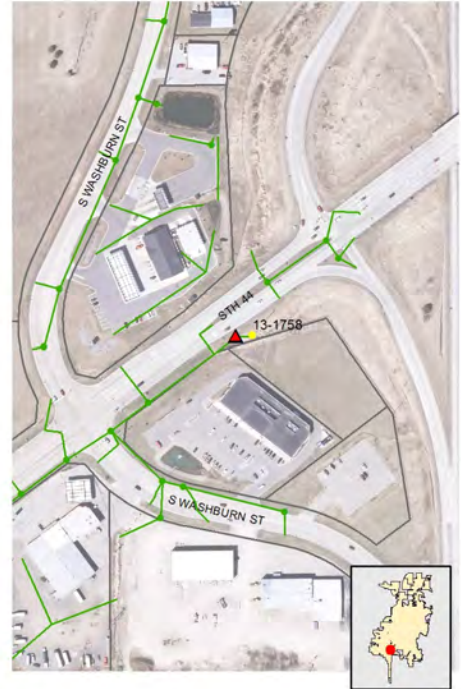


o20130730062832.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

462,713

Easting:

780,659

### Latitude/Longitude:

Latitude: 43.98883

Longitude: -88.58488

Inspection Date: 7/30/2013 7:22:47 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 27

Notes: Petroleum odor still present. Slight sheen observed.

### Illicit Discharge Potential: Potential

☐ Field Follow-up

☐ Office Follow-up

Floatables: Moderate

☒ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor: Easily detected

☒ Petroleum

☐ Musty

☒ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: Severe

☒ Flow Line

☒ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730062844.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130730-05

Time Collected 07:25

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.6 units

Temperature (field): 67 °F

Conductivity (field): 1071 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130730101654.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

### County Coordinates:

Northing: 459,058

Easting: 778,268

### Latitude/Longitude:

Latitude: 43.97879

Longitude: -88.59395

Inspection Date: 7/30/2013 11:11:04 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall not located. Screened upstream at 13-1857 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730101658.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130730101906.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 459,243

Easting: 778,307

### Latitude/Longitude:

Latitude: 43.97930

Longitude: -88.59380

Inspection Date: 7/30/2013 11:15:56 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 36

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730101918.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130730-62

Time Collected 11:15

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.48 units

Temperature (field): 73 °F

Conductivity (field): 664 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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): 18

Height/Depth (in):

Width (in):



o20130730102950.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

### County Coordinates:

Northing:

458,995

Easting:

777,886

### Latitude/Longitude:

Latitude: 43.97862

Longitude: -88.59540

Inspection Date: 7/30/2013 11:24:10 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Notes: Outfall not located. Outfall screened upstream at 13-2156 US1.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730102958.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



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.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 459,082

Easting: 777,815

### Latitude/Longitude:

Latitude: 43.97886

Longitude: -88.59567

Inspection Date: 7/30/2013 11:26:01 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 21

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Color: None

Gross Solids: Slight

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Severe

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730103348.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130730-67

Time Collected 11:28

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.46 units

Temperature (field): 73 °F

Conductivity (field): 581 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



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.

### Location Map



### Mapping Precision:

Mapping GPS

☒ Not Physically Located

### County Coordinates:

Northing: 461,228

Easting: 778,403

### Latitude/Longitude:

Latitude: 43.98474

Longitude: -88.59345

Inspection Date: 7/30/2013 6:46:29 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 12

Notes: Outfall not positively identified. Outfall screened upstream at 13-2611 US1.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 2

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730055304.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130730055518.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 461,213

Easting: 778,411

### Latitude/Longitude:

Latitude: 43.98470

Longitude: -88.59342

Inspection Date: 7/30/2013 6:49:33 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None

Depth (in):

Notes: Flowline wet, but no collectable flow at time of inspection.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730055724.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):

Width (in):



o20130730060130.JPG

### Outfall Notes:

STH 44 storm sewer discharges to stream from west.

### Location Map



### Mapping Precision:

☐ Not Physically Located

### County Coordinates:

Northing: 461,213

Easting: 778,377

### Latitude/Longitude:

Latitude: 43.98470

Longitude: -88.59355

Inspection Date: 7/30/2013 6:54:23 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 5

Notes: Outfall partially submerged. Outfall screened upstream at 13-2613 US1.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter

☒ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Moderate

☒ 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

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730060140.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

Outfall ID: 13-2613

<b>Inspection Date:</b> 9/3/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, slight flow				<b>Notes:</b> Thick layer of grass clippings in pipe and pool.			
Submerged: Partially		Depth (in): 6					
<b>Illicit Discharge Potential:</b> Unlikely				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	Moderate	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input checked="" type="checkbox"/> Algae	<input checked="" type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	Slight	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:		<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
<b>Sampling Results</b>							
Sample Location:		Pool					
Sample ID:		090903-28					
Time Collected		11:10					
Total Chlorine (field):		0 ppm					
Free Chlorine (field):		0 ppm					
Total Copper (field):		0 ppm					
Ammonia (field):		-- ppm					
pH (field):		7.77 units					
Temperature (field):		69 °F					
Conductivity (field):		-- µS/cm					
Detergents:		0 mg/L					
Phenol:		0 mg/L					



Osh09\_DSCN6430.JPG

# City of Oshkosh

## 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):



o20130730060952.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 461,089

Easting: 778,370

### Latitude/Longitude:

Latitude: 43.98436

Longitude: -88.59357

Inspection Date: 7/30/2013 7:03:45 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 4

Notes:

Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730061008.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130730-29

Time Collected 07:02

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.74 units

Temperature (field): 64 °F

Conductivity (field): 1727 µS/cm


Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 13-2613 US1

<b>Inspection Date:</b> 9/3/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> <div style="border: 1px solid black; height: 40px;"></div>				
Submerged: Partially      Depth (in): 7						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
<b>Floatables:</b>	<input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
<b>Odor:</b>	<input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
<b>Turbidity:</b>	<input type="text"/>					
<b>Color:</b>	<input type="text"/>					
<b>Gross Solids:</b>	<input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
<b>Vegetation:</b>	<input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
<b>Benthic Growth:</b>	<input type="text"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
<b>Stains:</b>	<input type="text"/>	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
<b>Non-illicit:</b>	<input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
<b>Graffiti:</b>	None					
<b>Erosion:</b>	None					
<b>Deposition:</b>	None	Depth (in): 0				
<b>Damage:</b>	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



Osh09\_DSCN6856.JPG

**Sampling Results**

Sample Location:	Pool
Sample ID:	090903-09
Time Collected	11:20
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	-- ppm
pH (field):	7.87 units
Temperature (field):	70 °F
Conductivity (field):	-- µS/cm
Detergents:	0 mg/L
Phenol:	0 mg/L



# City of Oshkosh

## 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):



o20130730095044.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 460,783

Easting: 773,179

### Latitude/Longitude:

Latitude: 43.98351

Longitude: -88.61329

Inspection Date: 7/30/2013 10:43:10 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None Depth (in):

Notes: Apron sediment wet, but no collectable flow at time of inspection.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☒ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 2

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730095052.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130730094430.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 460,771

Easting: 773,202

### Latitude/Longitude:

Latitude: 43.98347

Longitude: -88.61320

Inspection Date: 7/30/2013 10:38:11 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None

Depth (in):

Notes: Apron sediment wet, but no collectable flow at time of inspection.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730094434.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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): 42

Height/Depth (in):

Width (in):



o20130730092820.JPG

### Outfall Notes:

Atlas Ave storm sewer discharges to detention basin via swale.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 461,184

Easting: 774,130

### Latitude/Longitude:

Latitude: 43.98461

Longitude: -88.60968

Inspection Date: 7/30/2013 10:24:54 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 6

Notes: Outfall partially submerged. Outfall screened upstream at 13-2872a.

### Illicit Discharge Potential: Unlikely

☐ 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 ☐ Inhibited ☐ Excessive

Benthic Growth: Moderate ☒ Green ☐ Brown

Stains: Slight ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730092830.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130730093402.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 461,174

Easting: 774,134

### Latitude/Longitude:

Latitude: 43.98458

Longitude: -88.60966

Inspection Date: 7/30/2013 10:26:40 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 4

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730093414.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130730-75

Time Collected 10:28

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.68 units

Temperature (field): 72 °F

Conductivity (field): 711 µS/cm

Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

## 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

Width (in): 76



o20130730104502.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

458,138

Easting:

778,584

### Latitude/Longitude:

Latitude: 43.97627

Longitude: -88.59275

Inspection Date: 7/30/2013 11:41:38 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 55

Notes: Outfall fully submerged. Outfall screened upstream at 13-3162 US1.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity:

None

Color:

None

Gross Solids:

None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation:

None

☐ Inhibited

☐ Excessive

Benthic Growth:

None

☐ Green

☐ Brown

Stains:

None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit:

None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730104510.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

Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 13-3162

<b>Inspection Date:</b> 9/3/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b>			
Submerged: Partially		Depth (in): 43					
<b>Illicit Discharge Potential:</b> Unlikely				<input checked="" type="checkbox"/> Field Follow-up		<input checked="" type="checkbox"/> Office Follow-up	
Floatables:		<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:		<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:							
Color:							
Gross Solids:		<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:		<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	Depth (in): 7						
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
 Osh09_DSCN6434.JPG							
<b>Sampling Results</b>							
Sample Location:		Pool					
Sample ID:		090903-08L					
Time Collected		12:26					
Total Chlorine (field):		0 ppm					
Free Chlorine (field):		0 ppm					
Total Copper (field):		0 ppm					
Ammonia (field):		-- ppm					
pH (field):		9.04 units					
Temperature (field):		75 °F					
Conductivity (field):		-- µS/cm					
Detergents:		0 mg/L					
Phenol:		0 mg/L					



# City of Oshkosh

## 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):



o20130730105138.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

458,215

Easting:

778,634

### Latitude/Longitude:

Latitude: 43.97648

Longitude: -88.59256

Inspection Date: 7/30/2013 11:49:03 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 53

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Color:

None

Gross Solids:

Slight

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation:

None

☐ Inhibited

☐ Excessive

Benthic Growth:

None

☐ Green

☐ Brown

Stains:

None

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit:

Slight

☒ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730105144.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130730-35

Time Collected 11:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.97 units

Temperature (field): 75 °F

Conductivity (field): 358 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130730095852.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 461,402

Easting: 773,075

### Latitude/Longitude:

Latitude: 43.98520

Longitude: -88.61369

Inspection Date: 7/30/2013 10:52:09 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 1

Notes: Outfall partially submerged. Outfall screened upstream at 13-3204 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☒ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in):

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730095856.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

Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 13-3204

<b>Inspection Date:</b> 9/3/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> None		<b>Notes:</b>				
Submerged: None      Depth (in): 0						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up	<input type="checkbox"/> Office Follow-up			
Floatables: <input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage		<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: <input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage		<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity: <input type="text"/>						
Color: <input type="text"/>						
Gross Solids: <input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation: <input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth: <input type="text"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains: <input type="text"/>	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>						
Graffiti: None						
Erosion: None						
Deposition: None	Depth (in): 0					
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
<b>Sampling Results</b>						
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						
Conductivity (field): -- µS/cm						
Detergents: -- mg/L						
Phenol: -- mg/L						



# City of Oshkosh

## 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):



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.

## Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

461,301

Easting:

772,900

### Latitude/Longitude:

Latitude: 43.98493

Longitude: -88.61435

Inspection Date: 7/30/2013 11:00:01 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None

Depth (in):

Notes: Manhole dry and clean at time of inspection.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity:

None

Color:

None

Gross Solids:

None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation:

None

☐ Inhibited

☐ Excessive

Benthic Growth:

None

☐ Green

☐ Brown

Stains:

None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit:

None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730100236.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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



o20130730083352.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

463,215

Easting:

776,270

### Latitude/Longitude:

Latitude: 43.99019

Longitude: -88.60156

Inspection Date: 7/30/2013 9:27:18 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 16

Notes: Outfall partially submerged. Outfall screened upstream at 13-3488 US1.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730083416.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):

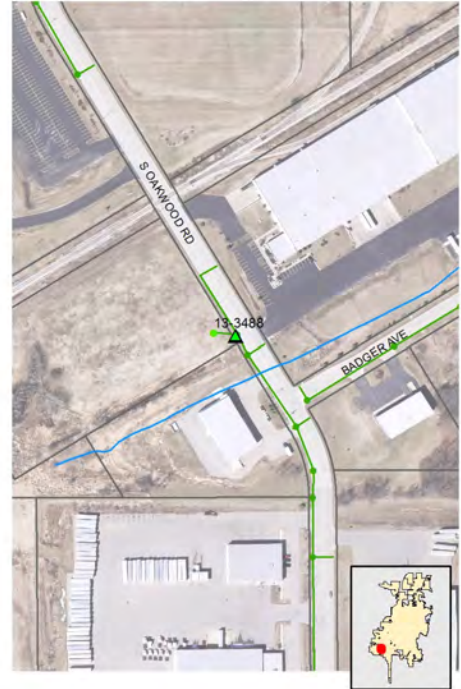


o20130730083638.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 463,207

Easting: 776,323

### Latitude/Longitude:

Latitude: 43.99017

Longitude: -88.60136

Inspection Date: 7/30/2013 9:30:33 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 14

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730083650.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130730-28

Time Collected 09:32

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.96 units

Temperature (field): 71 °F

Conductivity (field): 938 µS/cm

Detergents: 0 mg/L

Phenol: 0 mg/L



# City of Oshkosh

## 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

Diameter (in): 15

Height/Depth (in):

Width (in):



o20130731065746.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Desktop mapping estimate

☐ Not Physically Located

### County Coordinates:

Northing: 463,367

Easting: 792,647

### Latitude/Longitude:

Latitude: 43.99064

Longitude: -88.53934

Inspection Date: 7/31/2013 7:55:00 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None

Depth (in):

Notes: Pipe dry at time of inspection. Last 12" of pipe undercut.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: 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

Erosion: Minor

Deposition: None

Depth (in):

Damage: Moderate

☐ Displacement

☒ Undercut

☐ Crushed

☒ Corrosion

☐ Cracks/Structural Damage



o20130731065754.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130731092548.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 462,013

Easting: 793,247

### Latitude/Longitude:

Latitude: 43.98693

Longitude: -88.53705

Inspection Date: 7/31/2013 10:23:22 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 11

Notes: Outfall partially submerged. Outfall screened upstream at 14-582 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam



o20130731092642.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

### Physical Condition Assessment

Graffiti: None

Erosion: None


Deposition: None Depth (in):


Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage

# City of Oshkosh

Outfall ID: 14-582


<b>Inspection Date:</b> 9/27/2012 11:43:23 AM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Repeat		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, slight flow				<b>Notes:</b> Gel-like sheen on surface of stream. Outfall partially submerged; additional screening upstream at 14-582 US7.			
Submerged: Partially		Depth (in): 6					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	Moderate	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	Severe	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in):					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
							
o20120927103918.JPG							
<b>Sampling Results</b>							
Sample Location:		Pool					
Sample ID:		120927-59					
Time Collected		11:40					
Total Chlorine (field):		0 ppm					
Free Chlorine (field):		0 ppm					
Total Copper (field):		0 ppm					
Ammonia (field):		0 ppm					
pH (field):		7.77 units					
Temperature (field):		64 °F					
Conductivity (field):		1077 µS/cm					
Detergents:		0 mg/L					
Phenol:		-- mg/L					


<b>Inspection Date:</b> 9/5/2012 11:52:00 AM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Complaint		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b> Dark black substance in water around outfall and bridge. Sample collected from stream.			
Submerged: Partially		Depth (in): 12					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	Noticeable from a distance	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input checked="" type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input checked="" type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	Cloudy						
Color:	Clearly visible in flow	Dark/Black					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	Moderate	<input checked="" type="checkbox"/> Green	<input checked="" type="checkbox"/> Brown				
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in):					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
							
o20120905105212.JPG							
<b>Sampling Results</b>							
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					
Conductivity (field):		1419 µS/cm					
Detergents:		0 mg/L					
Phenol:		-- mg/L					



# City of Oshkosh


Outfall ID: 14-582


<b>Inspection Date:</b> 6/20/2012 12:02:16 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 24-48
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Outfall partially submerged; screened upstream at 14-582 US7.		
Submerged: Partially      Depth (in): 12				
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables: None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor: None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine <input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant
Turbidity: None				
Color: None				
Gross Solids: None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive		
Benthic Growth: Moderate	<input checked="" type="checkbox"/> Green	<input checked="" type="checkbox"/> Brown		
Stains: None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other	
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam		
<b>Physical Condition Assessment</b>				
Graffiti: None				
Erosion: None				
Deposition: None	Depth (in):			
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage		
 o20120620110152.JPG				
<b>Sampling Results</b>				
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				
Conductivity (field): -- µS/cm				
Detergents: -- mg/L				
Phenol: -- mg/L				

<b>Inspection Date:</b> 10/5/2011 12:26:00 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Repeat	<b>Previous Rainfall (hrs):</b> 72+
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Complaint follow-up. Outfall partially submerged. Outfall screened upstream at 14-585 US7. Limited screening conducted.		
Submerged: Partially      Depth (in):				
<b>Illicit Discharge Potential:</b> Obvious		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables:	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor:	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine <input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant
Turbidity:				
Color:				
Gross Solids:	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other
Vegetation:	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive		
Benthic Growth:	<input type="checkbox"/> Green	<input type="checkbox"/> Brown		
Stains:	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other	
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam		
<b>Physical Condition Assessment</b>				
Graffiti:				
Erosion:				
Deposition:	Depth (in):			
Damage:	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed	
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage		
 o20111005122620.JPG				
<b>Sampling Results</b>				
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				
Conductivity (field): -- µS/cm				
Detergents: -- mg/L				
Phenol: -- mg/L				

# City of Oshkosh

Outfall ID: 14-582

<b>Inspection Date:</b> 5/26/2011 12:21:00 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Repeat	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Complaint follow-up. Strong chlorine smell inside pipe. Chemical interference with chlorine test. Limited screening conducted.				
Submerged: Partially      Depth (in):						
<b>Illicit Discharge Potential:</b> Obvious		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:		<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	Noticeable from a distance	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input checked="" type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:						
Color:						
Gross Solids:		<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:		<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:		<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:						
Erosion:						
Deposition:      Depth (in):						
Damage:						
<input type="checkbox"/> Displacement <input type="checkbox"/> Undercut <input type="checkbox"/> Crushed						
<input type="checkbox"/> Corrosion <input type="checkbox"/> Cracks/Structural Damage						
						
o20110526112114.jpg						
<b>Sampling Results</b>						
Sample Location: Pool						
Sample ID: 110526-x1						
Time Collected 12:18						
Total Chlorine (field): -- ppm						
Free Chlorine (field): -- ppm						
Total Copper (field): -- ppm						
Ammonia (field): -- ppm						
pH (field): -- units						
Temperature (field): -- °F						
Conductivity (field): -- µS/cm						
Detergents: -- mg/L						
Phenol: -- mg/L						

<b>Inspection Date:</b> 5/12/2011 1:03:00 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Complaint	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Responded to complaint about discharge from pipe. Outfall partially submerged. Yellow pool at end of pipe. Chemical smell				
Submerged: Partially      Depth (in):						
<b>Illicit Discharge Potential:</b> Obvious		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:		<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	Noticeable from a distance	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input checked="" type="checkbox"/> Chlorine	<input checked="" type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:						
Color:	Clearly visible in flow	Yellow				
Gross Solids:		<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:		<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:						
Erosion:						
Deposition:      Depth (in):						
Damage:						
<input type="checkbox"/> Displacement <input type="checkbox"/> Undercut <input type="checkbox"/> Crushed						
<input type="checkbox"/> Corrosion <input type="checkbox"/> Cracks/Structural Damage						
						
o20110512133142.jpg						
<b>Sampling Results</b>						
Sample Location: Pool						
Sample ID: 110512-x1						
Time Collected 13:00						
Total Chlorine (field): 2 ppm						
Free Chlorine (field): 2 ppm						
Total Copper (field): 0 ppm						
Ammonia (field): 2 ppm						
pH (field): -- units						
Temperature (field): -- °F						
Conductivity (field): -- µS/cm						
Detergents: -- mg/L						
Phenol: -- mg/L						

# City of Oshkosh

## 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):



o20130731093026.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 462,023

Easting: 793,221

### Latitude/Longitude:

Latitude: 43.98696

Longitude: -88.53715

Inspection Date: 7/31/2013 10:27:12 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 5

Notes:

Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: Slight

☒ 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

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130731093036.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130731-77

Time Collected 10:29

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.52 units

Temperature (field): 72 °F

Conductivity (field): 1403 µS/cm

Detergents: 0 mg/L

Phenol: 0 mg/L



# City of Oshkosh

**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



o20130717110224.JPG

**Outfall Notes:**

33rd Ave storm sewer discharges to stream from west.

**Location Map**



**Mapping Precison:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 458,732

Easting: 791,162

**Latitude/Longitude:**

Latitude: 43.97793

Longitude: -88.54497

**Inspection Date:** 7/17/2013 11:58:51 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, indeterminate

Submerged: Partially

Depth (in): 5

**Notes:** Outfall partially submerged. Outfall screened upstream at 14-595 US3.

**Illicit Discharge Potential:** Unlikely

☐ 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

**Turbidity:** None

**Color:** None

**Gross Solids:** None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

**Vegetation:** None

☐ Inhibited

☐ Excessive

**Benthic Growth:** Slight

☒ 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

**Erosion:** None

**Deposition:** None

Depth (in):

**Damage:** None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130717110248.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

**Temperature (field):** -- °F

**Conductivity (field):** -- µS/cm


**Detergents:** -- mg/L

**Phenol:** -- mg/L

# City of Oshkosh

Outfall ID: 14-595

<b>Inspection Date:</b> 8/26/2010		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+
<b>Flow Description:</b>		<b>Notes:</b> Actual outfall not screened. Oil observed in 14-595 US3 in 2009 - only upstream manhole re-screened.		
Submerged:	Depth (in):			
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables:		<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage <input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor:		<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage <input type="checkbox"/> Chlorine <input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur <input type="checkbox"/> Fragrant
Turbidity:				
Color:				
Gross Solids:		<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment <input type="checkbox"/> Other
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
Benthic Growth:		<input type="checkbox"/> Green	<input type="checkbox"/> Brown	
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam	
<b>Physical Condition Assessment</b>				
Graffiti:				
Erosion:				
Deposition:	Depth (in):			
Damage:		<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage	
<b>Photo Not Available</b>				
<b>Sampling Results</b>				
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				
Conductivity (field): -- µS/cm				
Detergents: -- mg/L				
Phenol: -- mg/L				

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b>		
Submerged: Partially	Depth (in): 7			
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables:		<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage <input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor:		<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage <input type="checkbox"/> Chlorine <input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur <input type="checkbox"/> Fragrant
Turbidity:				
Color:				
Gross Solids:		<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment <input type="checkbox"/> Other
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
Benthic Growth:	Slight	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown	
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam	
<b>Physical Condition Assessment</b>				
Graffiti: None				
Erosion: None				
Deposition: None	Depth (in): 0			
Damage: None		<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage	
				
Osh09_DSCN6531.JPG				
<b>Sampling Results</b>				
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				
Detergents: 0 mg/L				
Phenol: 0 mg/L				

# City of Oshkosh

## 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):



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.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 458,741

Easting: 790,513

### Latitude/Longitude:

Latitude: 43.97795

Longitude: -88.54743

Inspection Date: 7/17/2013 12:11:16 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None Depth (in):

Notes: Sediment wet, but no collectable flow at time of inspection.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☒ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130717111410.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L


Phenol: -- mg/L



# City of Oshkosh

Outfall ID: 14-595 US3


<b>Inspection Date:</b> 8/26/2010 1:14:52 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Trickle		<b>Notes:</b> Rescreened due to oil in 2009. No sign of oil. Shallow flow - no sample collected.				
Submerged: None      Depth (in):						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):	0			
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20100826130414.JPG

**Sampling Results**  
Sample Location:  
Sample ID:  
Time Collected:  
Total Chlorine (field): 0 ppm  
Free Chlorine (field): 0 ppm  
Total Copper (field): 0 ppm  
Ammonia (field): 0 ppm  
pH (field): -- units  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> None		<b>Notes:</b> Wet, no flow. Slight oil sheen in pool in manhole.				
Submerged: None      Depth (in): 0						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	Slight	<input checked="" type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):	0			
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

# City of Oshkosh

## 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):

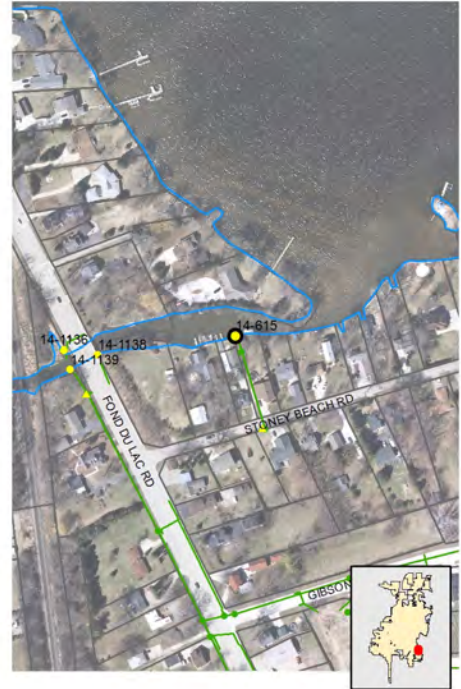


o20130731082824.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

### County Coordinates:

Northing: 462,538

Easting: 794,103

### Latitude/Longitude:

Latitude: 43.98837

Longitude: -88.53380

Inspection Date: 7/31/2013 9:28:00 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall under dock and not located. Outfall screened upstream at 14-615 US2.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130731082828.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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 Precision:

Mapping GPS

☐ Not Physically Located



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.

### Location Map



Inspection Date: 7/31/2013 9:32:46 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Moderate

Submerged: Partially Depth (in):

Notes: Sample collected from flow entering catchbasin. Originates 78 ft west from 4" pvc. Could not open grate.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in):

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130731083224.JPG

### Sampling Results

Sample Location: Flow

Sample ID: 130731-50

Time Collected 09:25

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.43 units

Temperature (field): 71 °F

Conductivity (field): 1379 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

**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):



o20130717102530.JPG

**Outfall Notes:**

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

**Location Map**



**Mapping Precision:**

Desktop mapping estimate

☐ Not Physically Located

**County Coordinates:**

Northing: 457,123

Easting: 790,346

**Latitude/Longitude:**

Latitude: 43.97351

Longitude: -88.54807

**Inspection Date:** 7/17/2013 11:22:01 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** Trickle

Submerged: None

Depth (in):

Notes:

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130717102554.JPG

**Sampling Results**

Sample Location: Flow

Sample ID: 130717-53

Time Collected: 11:22

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 1 ppm

pH (field): 7.6 units

Temperature (field): 71 °F


Conductivity (field): 729 µS/cm

Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

Outfall ID: 14-635

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+
<b>Flow Description:</b> None		<b>Notes:</b> Water standing in pipe ribs - no flow. Black lining of pipe peeling.		 Osh09_DSCN6528.JPG
Submerged: None	Depth (in): 0			
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables:	<input type="checkbox"/> Petrol. Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Sewage <input type="checkbox"/> Algae <input type="checkbox"/> Other			
Odor:	<input type="checkbox"/> Petroleum <input type="checkbox"/> Musty <input type="checkbox"/> Sewage <input type="checkbox"/> Chlorine <input type="checkbox"/> Other			
	<input type="checkbox"/> VOC/Solvent <input type="checkbox"/> Fishy <input type="checkbox"/> Sulfur <input type="checkbox"/> Fragrant			
Turbidity:				
Color:				
Gross Solids:	<input type="checkbox"/> Litter <input type="checkbox"/> Debris <input type="checkbox"/> Sediment <input type="checkbox"/> Other			
Vegetation:	<input type="checkbox"/> Inhibited <input type="checkbox"/> Excessive			
Benthic Growth:	<input type="checkbox"/> Green <input type="checkbox"/> Brown			
Stains:	<input type="checkbox"/> Flow Line <input type="checkbox"/> Oil <input type="checkbox"/> Rust Stains			
	<input type="checkbox"/> Corrosion <input type="checkbox"/> Paint <input type="checkbox"/> Other			
Non-illicit:	None <input type="checkbox"/> Natural Sheen <input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>				<b>Sampling Results</b>  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 Conductivity (field): -- µS/cm Detergents: -- mg/L Phenol: -- mg/L
Graffiti:	None			
Erosion:	None			
Deposition:	None	Depth (in): 0		
Damage:	None	<input type="checkbox"/> Displacement <input type="checkbox"/> Undercut <input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion <input type="checkbox"/> Cracks/Structural Damage		

# City of Oshkosh

**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):



o20130717121110.JPG

**Outfall Notes:**

Oregon St storm sewer discharges to stream from south.

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 459,987

Easting: 791,780

**Latitude/Longitude:**

Latitude: 43.98137

Longitude: -88.54262

<b>Inspection Date:</b> 7/17/2013 1:07:42 PM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Ongoing		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> None				<b>Notes:</b> Pipe wet but no collectable flow at time of inspection.			
Submerged: None		Depth (in):					
<b>Illicit Discharge Potential:</b> Unlikely				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in):					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
<b>Sampling Results</b>							
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			
Conductivity (field):				-- µS/cm			
Detergents:				-- mg/L			
Phenol:				-- mg/L			




o20130717121116.JPG



# City of Oshkosh

Outfall ID: 14-644

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+			
<b>Flow Description:</b> None		<b>Notes:</b>					
Submerged: None      Depth (in): 0							
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up	<input type="checkbox"/> Office Follow-up				
Floatables:	<input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds		<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	<input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty		<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	<input type="text"/>						
Color:	<input type="text"/>						
Gross Solids:	<input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	<input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	<input type="text"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	<input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	<input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
<b>Sampling Results</b>							
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	
Conductivity (field):					--	µS/cm	
Detergents:					--	mg/L	
Phenol:					--	mg/L	

# City of Oshkosh

## 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):

Width (in):



o20130717121614.JPG

#### Outfall Notes:

Oregon St. storm sewer discharges to stream from north.

### Location Map



#### Mapping Precision:

Mapping GPS

☐ Not Physically Located

#### County Coordinates:

Northing: 460,033

Easting: 791,853

#### Latitude/Longitude:

Latitude: 43.98150

Longitude: -88.54235

Inspection Date: 7/17/2013 1:12:46 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

#### Flow Description: None

Submerged: None

Depth (in):

Notes: Pipe wet, but no flow leaving apron. Apron displaced 4".

#### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☒ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

#### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: Minor

☒ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☒ Cracks/Structural Damage



o20130717121624.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 14-645

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> None		<b>Notes:</b> Wet, no flow.				
<b>Submerged:</b> None	<b>Depth (in):</b> 0					
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
<b>Floatables:</b>		<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
<b>Odor:</b>		<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
<b>Turbidity:</b>						
<b>Color:</b>						
<b>Gross Solids:</b>		<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
<b>Vegetation:</b>		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
<b>Benthic Growth:</b>		<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
<b>Stains:</b>		<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
<b>Non-illicit:</b>	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
<b>Graffiti:</b>	None					
<b>Erosion:</b>	None					
<b>Deposition:</b>	None	<b>Depth (in):</b>	0			
<b>Damage:</b>	Minor	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input checked="" type="checkbox"/> Cracks/Structural Damage			
<div style="float: right; text-align: center;"> Osh09_DSCN6547.JPG</div>						
<b>Sampling Results</b>						
<b>Sample Location:</b>						
<b>Sample ID:</b>						
<b>Time Collected</b>						
<b>Total Chlorine (field):</b> -- ppm						
<b>Free Chlorine (field):</b> -- ppm						
<b>Total Copper (field):</b> -- ppm						
<b>Ammonia (field):</b> -- ppm						
<b>pH (field):</b> -- units						
<b>Temperature (field):</b> -- °F						
<b>Conductivity (field):</b> -- µS/cm						
<b>Detergents:</b> -- mg/L						
<b>Phenol:</b> -- mg/L						



# City of Oshkosh

**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):



o20130731055354.JPG

**Outfall Notes:**

Oregon St storm sewer discharges to stream from south.

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 463,068

Easting: 791,853

**Latitude/Longitude:**

Latitude: 43.98982

Longitude: -88.54235

**Inspection Date:** 7/31/2013 6:52:38 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** Trickle

Submerged: None

Depth (in):

**Notes:** 7" apron displacement

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti: Minor

Erosion: None

Deposition: None

Depth (in):

Damage: Moderate

☒ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130731055412.JPG

**Sampling Results**

Sample Location: Flow

Sample ID: 130731-24

Time Collected: 06:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.19 units

Temperature (field): 70 °F

Conductivity (field): 638 µS/cm

Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

Outfall ID: 14-659

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> None		<b>Notes:</b> Apron separating from pipe. Graffiti on bridge.				
Submerged: None	Depth (in): 0					
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up	<input type="checkbox"/> Office Follow-up			
Floatables: <input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage		<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: <input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage		<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity: <input type="text"/>						
Color: <input type="text"/>						
Gross Solids: <input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation: <input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth: <input type="text"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains: <input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>						
Graffiti: Moderate						
Erosion: None						
Deposition: None	Depth (in): 0					
Damage: Moderate	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
<b>Sampling Results</b>						
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						
Conductivity (field): -- µS/cm						
Detergents: -- mg/L						
Phenol: -- mg/L						

# City of Oshkosh

**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):



o20130731054656.JPG

**Outfall Notes:**

Oregon St storm sewer discharges to stream from north.

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 463,097

Easting: 791,856

**Latitude/Longitude:**

Latitude: 43.98990

Longitude: -88.54234

**Inspection Date:** 7/31/2013 6:44:10 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** None

Submerged: None

Depth (in):

**Notes:** Apron wet, but no collectable flow at time of inspection. Apron displacement with sinkhole above.

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti: None

Erosion: Moderate

Deposition: None

Depth (in):

Damage: Moderate

☒ Displacement

☒ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130731054706.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm


Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

Outfall ID: 14-660

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> None		<b>Notes:</b> Apron separating from pipe. Graffiti on bridge.				
Submerged: None	Depth (in): 0					
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up	<input type="checkbox"/> Office Follow-up			
Floatables: <input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage		<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: <input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage		<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity: <input type="text"/>						
Color: <input type="text"/>						
Gross Solids: <input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation: <input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth: <input type="text"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains: <input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>						
Graffiti: Moderate						
Erosion: None						
Deposition: None      Depth (in): 0						
Damage: Moderate						
<input type="checkbox"/> Displacement <input type="checkbox"/> Undercut <input type="checkbox"/> Crushed						
<input type="checkbox"/> Corrosion <input type="checkbox"/> Cracks/Structural Damage						
<b>Sampling Results</b>						
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						
Conductivity (field):    --    µS/cm						
Detergents:                --    mg/L						
Phenol:                    --    mg/L						

# City of Oshkosh

**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):



o20130717103622.JPG

**Outfall Notes:**

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

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 457,027

Easting: 791,726

**Latitude/Longitude:**

Latitude: 43.97325

Longitude: -88.54282

<b>Inspection Date:</b> 7/17/2013 11:32:29 AM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Ongoing		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> None				<b>Notes:</b> Apron sediment wet, but no collectable flow at time of inspection.			
Submerged: None		Depth (in):					
<b>Illicit Discharge Potential:</b> Unlikely				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	Slight	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	Slight	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	Slight	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	Moderate	Depth (in): 4					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
<b>Sampling Results</b>							
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							
Conductivity (field): -- µS/cm							
Detergents: -- mg/L							
Phenol: -- mg/L							




o20130717103632.JPG

# City of Oshkosh

Outfall ID: 14-670

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> None		<b>Notes:</b> Standing water inside pipe due to sediment at end - no flow leaving pool.				
Submerged: None	Depth (in): 0					
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	<input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	<input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	<input type="text"/>					
Color:	<input type="text"/>					
Gross Solids:	<input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	<input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	<input type="text"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	<input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	Depth (in): 4					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



Osh09\_DSCN6521.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L



# City of Oshkosh

**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):

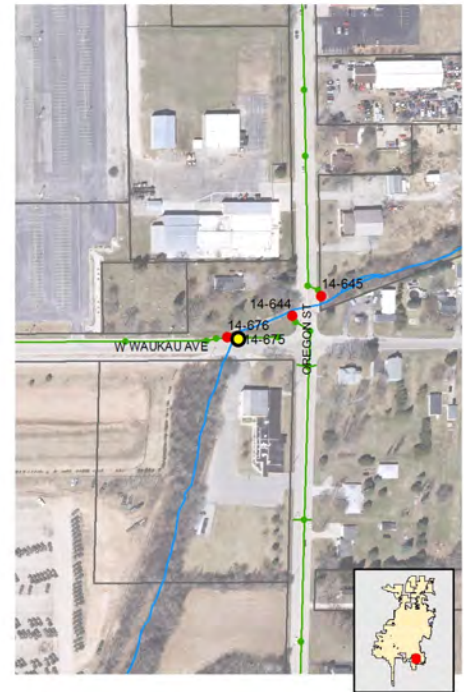


o20130717120448.JPG

**Outfall Notes:**

Waukau Ave storm sewer discharges into east culvert.

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing:

459,932

Easting:

791,648

**Latitude/Longitude:**

Latitude: 43.98122

Longitude: -88.54313

**Inspection Date:** 7/17/2013 1:03:55 PM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** None

Submerged: None

Depth (in):

**Notes:** Water in pipe corrugations, but no collectable flow at time of inspection.

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: Slight

☐ Flow Line

☐ Oil

☐ Rust Stains

☒ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: Minor

☐ Displacement

☐ Undercut

☐ Crushed

☒ Corrosion

☐ Cracks/Structural Damage



o20130717120604.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

**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):

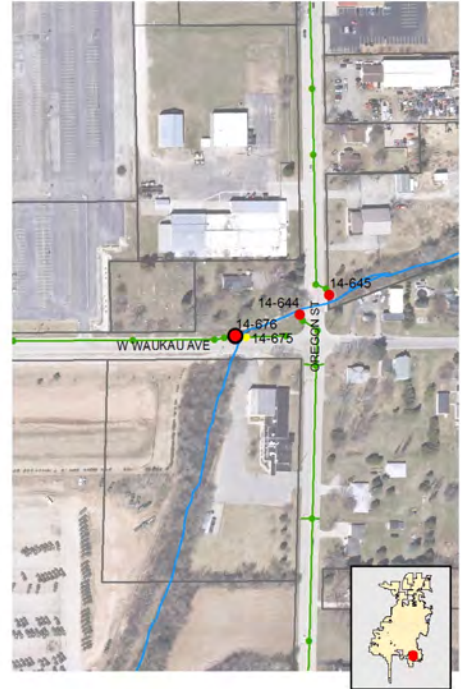


o20130717115958.JPG

**Outfall Notes:**

Waukau Ave storm sewer discharges into west culvert.

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 459,937

Easting: 791,621

**Latitude/Longitude:**

Latitude: 43.98123

Longitude: -88.54323

**Inspection Date:** 7/17/2013 12:56:41 PM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** Moderate

Submerged: None

Depth (in):

**Notes:** Fine light color silt settled on culvert and rocks at base of outfall.

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: Moderate

☒ Flow Line

☐ Oil

☐ Rust Stains

☒ Corrosion

☐ Paint

☐ Other

Non-illicit:

Slight

☐ Natural Sheen

☒ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: Moderate

☐ Displacement

☐ Undercut

☐ Crushed

☒ Corrosion

☐ Cracks/Structural Damage



o20130717120006.JPG

**Sampling Results**

Sample Location: Flow

Sample ID: 130717-85

Time Collected: 12:56

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0.5 ppm

pH (field): 8.11 units

Temperature (field): 72 °F


Conductivity (field): 947 µS/cm


Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

Outfall ID: 14-676

<b>Inspection Date:</b> 6/20/2012 12:29:02 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 24-48
<b>Flow Description:</b> None		<b>Notes:</b> 2011 suds (natural) follow-up. Pipe wet but no flow at outfall.		
Submerged: None      Depth (in):				
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables: None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor: None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine <input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant
Turbidity: None				
Color: None				
Gross Solids: None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive		
Benthic Growth: None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown		
Stains: Slight	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains	
	<input checked="" type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other	
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam		
<b>Physical Condition Assessment</b>				
Graffiti: None				
Erosion: None				
Deposition: None	Depth (in):			
Damage: Minor	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed	
	<input checked="" type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage		
 o20120620112732.JPG				
<b>Sampling Results</b>				
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				
Conductivity (field): -- µS/cm				
Detergents: -- mg/L				
Phenol: -- mg/L				


<b>Inspection Date:</b> 10/6/2011 3:04:00 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+
<b>Flow Description:</b> Moderate		<b>Notes:</b> Persistent suds still present in mixing zone and downstream.		
Submerged: None      Depth (in):				
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up		
Floatables: Moderate	<input type="checkbox"/> Petrol. Sheen	<input checked="" type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae <input type="checkbox"/> Other
Odor: None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine <input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant
Turbidity: None				
Color: None				
Gross Solids: None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive		
Benthic Growth: None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown		
Stains: Moderate	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains	
	<input checked="" type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other	
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam		
<b>Physical Condition Assessment</b>				
Graffiti: None				
Erosion: None				
Deposition: None	Depth (in): 0			
Damage: Moderate	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed	
	<input checked="" type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage		
 o20111006150702.JPG				
<b>Sampling Results</b>				
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				
Conductivity (field): -- µS/cm				
Detergents: -- mg/L				
Phenol: -- mg/L				



# City of Oshkosh

Outfall ID: 14-676


<b>Inspection Date:</b> 5/26/2011 12:58:00 PM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Other		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b> Limited screening conducted to check for suds. Slight suds - all coming from upstream of culvert.			
Submerged: Partially		Depth (in): 2					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				



o20110526124526.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

<b>Inspection Date:</b> 8/26/2010 1:00:18 PM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Other		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Moderate				<b>Notes:</b> Sample consists of sheen skimmed from surface of downstream pool.			
Submerged: None		Depth (in):					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	Moderate	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input checked="" type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	Moderate	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input checked="" type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				





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  
Temperature (field): 76 °F  
Conductivity (field): -- µS/cm  
Detergents: 0 mg/L  
Phenol: 0 mg/L

# City of Oshkosh

Outfall ID: 14-676

<b>Inspection Date:</b> 8/26/2010 12:58:18 PM		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Ongoing		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description: Moderate</b>				<b>Notes:</b> Persistent suds and gel-like sheen downstream			
Submerged: None		Depth (in):					
<b>Illicit Discharge Potential: Potential</b>				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables: Moderate	<input type="checkbox"/> Petrol. Sheen	<input checked="" type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input checked="" type="checkbox"/> Other	 <p style="text-align: center;">o20100826123658.JPG</p>	
Odor: None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other		
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant			
Turbidity: None							
Color: None							
Gross Solids: None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		<b>Sampling Results</b> <hr/> <b>Sample Location:</b> Flow <b>Sample ID:</b> 100826-52 <b>Time Collected:</b> 12:40 <b>Total Chlorine (field):</b> 0 ppm <b>Free Chlorine (field):</b> 0 ppm <b>Total Copper (field):</b> 0 ppm <b>Ammonia (field):</b> 0 ppm <b>pH (field):</b> 8.3 units <b>Temperature (field):</b> 78 °F <b>Conductivity (field):</b> -- µS/cm <b>Detergents:</b> 0 mg/L <b>Phenol:</b> 0 mg/L	
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive					
Benthic Growth: None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown					
Stains: Moderate	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains				
	<input checked="" type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other				
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam					
<b>Physical Condition Assessment</b> <hr/> Graffiti: None Erosion: None Deposition: None      Depth (in): 0 Damage: Moderate <input type="checkbox"/> Displacement <input type="checkbox"/> Undercut <input type="checkbox"/> Crushed <input checked="" type="checkbox"/> Corrosion <input type="checkbox"/> Cracks/Structural Damage							

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description: Moderate</b>				<b>Notes:</b> Sample 09090411 collected from pool (suds). No detergent detected.			
Submerged: None		Depth (in): 0					
<b>Illicit Discharge Potential: Potential</b>				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables: Moderate	<input type="checkbox"/> Petrol. Sheen	<input checked="" type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	 <p style="text-align: center;">Osh09_DSCN6538.JPG</p>	
Odor: None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other		
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant			
Turbidity: None							
Color: None							
Gross Solids: None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		<b>Sampling Results</b> <hr/> <b>Sample Location:</b> Flow <b>Sample ID:</b> 090904-10 <b>Time Collected:</b> 13:40 <b>Total Chlorine (field):</b> 0 ppm <b>Free Chlorine (field):</b> 0 ppm <b>Total Copper (field):</b> 0 ppm <b>Ammonia (field):</b> -- ppm <b>pH (field):</b> 8.32 units <b>Temperature (field):</b> 78 °F <b>Conductivity (field):</b> -- µS/cm <b>Detergents:</b> 0 mg/L <b>Phenol:</b> 0 mg/L	
Vegetation: None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive					
Benthic Growth: None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown					
Stains: Moderate	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains				
	<input checked="" type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other				
Non-illicit: None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam					
<b>Physical Condition Assessment</b> <hr/> Graffiti: None Erosion: None Deposition: None      Depth (in): 0 Damage: Minor <input type="checkbox"/> Displacement <input type="checkbox"/> Undercut <input type="checkbox"/> Crushed <input checked="" type="checkbox"/> Corrosion <input type="checkbox"/> Cracks/Structural Damage							

# City of Oshkosh

**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):

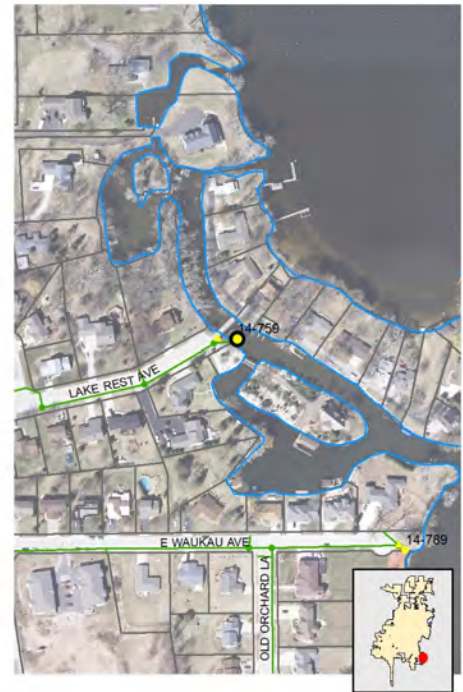


o20130731085130.JPG

**Outfall Notes:**

Lake Rest Ave storm sewer discharges to channel from east.

**Location Map**



**Mapping Precision:**

Mapping GPS

☒ Not Physically Located

**County Coordinates:**

Northing: 460,368

Easting: 795,504

**Latitude/Longitude:**

Latitude: 43.98242

Longitude: -88.52848

**Inspection Date:** 7/31/2013 9:48:46 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged (not located)

Submerged: Fully Depth (in):

**Notes:** Outfall not located. Outfall screened upstream at 14-759 US1.

**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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti:

Erosion:

Deposition:  Depth (in):

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130731085138.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130731085834.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

460,371

Easting:

795,456

### Latitude/Longitude:

Latitude: 43.98243

Longitude: -88.52866

Inspection Date: 7/31/2013 9:51:42 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 30

Notes:

Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130731085842.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130731-20

Time Collected 09:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.55 units

Temperature (field): 74 °F

Conductivity (field): 678 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

**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):



o20130717123408.JPG

**Outfall Notes:**

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

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing:

459,952

Easting:

792,571

**Latitude/Longitude:**

Latitude: 43.98128

Longitude: -88.53962

**Inspection Date:** 7/17/2013 1:30:26 PM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** None

Submerged: None

Depth (in):

**Notes:** Sediment wet, but no collectable flow at time of inspection.

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 10

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130717123414.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

Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 14-766

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, no flow				<b>Notes:</b> Pool at end of pipe - no flow leaving pool.			
Submerged: Partially		Depth (in): 11					
<b>Illicit Discharge Potential:</b> Unlikely				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	<input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	<input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	<input type="text"/>						
Color:	<input type="text"/>						
Gross Solids:	<input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	<input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	Slight	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	<input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:		None					
Erosion:		None					
Deposition:		Depth (in): 9					
Damage:		None					
		<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
<div style="float: right; text-align: center;"> Osh09_DSCN6550.JPG</div>							
<b>Sampling Results</b>							
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							
Conductivity (field): -- µS/cm							
Detergents: -- mg/L							
Phenol: -- mg/L							



# City of Oshkosh

**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):

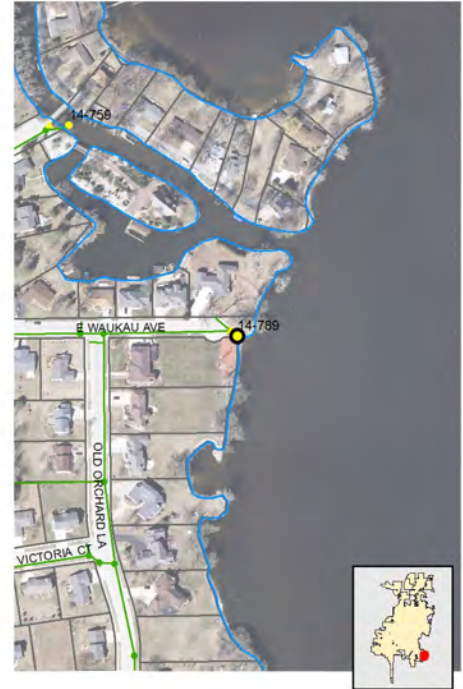


o20130731090940.JPG

**Outfall Notes:**

Waukau Ave storm sewer discharges to lake from west.

**Location Map**



**Mapping Precison:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 459,846

Easting: 795,906

**Latitude/Longitude:**

Latitude: 43.98099

Longitude: -88.52695

**Inspection Date:** 7/31/2013 10:02:56 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, indeterminate

Submerged: Partially

Depth (in): 9

**Notes:** Riprap in pipe and apron. Outfall partially submerged. Outfall screened upstream at 14-789.

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Moderate

☒ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☒ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130731090946.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):

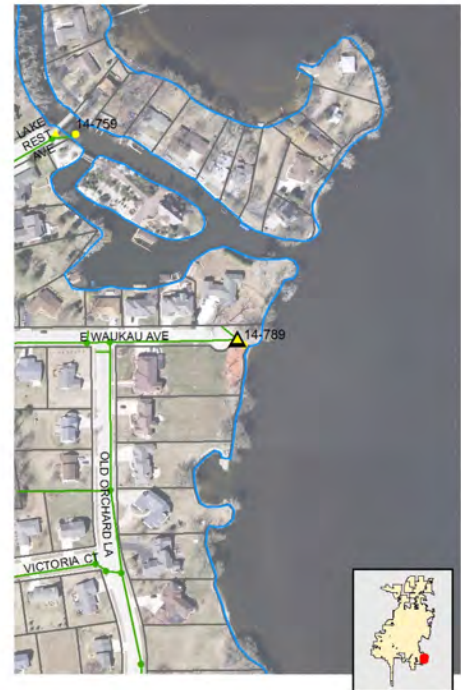


o20130731091346.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

459,860

Easting:

795,890

### Latitude/Longitude:

Latitude: 43.98103

Longitude: -88.52701

Inspection Date: 7/31/2013 10:05:52 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 5

Notes:

Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☐ Green

☒ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130731091356.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130731-27

Time Collected: 10:05

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.14 units

Temperature (field): 74 °F

Conductivity (field): 1020 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



Osh09\_DSCN6563.JPG

#### Outfall Notes:

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

### Location Map



#### Mapping Precision:

☐ Not Physically Located

#### County Coordinates:

Northing: 462,711

Easting: 791,156

#### Latitude/Longitude:

Latitude: 43.98884

Longitude: -88.54500

Inspection Date: 7/31/2013 7:06:55 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

#### Flow Description: Submerged (not located)

Submerged: Partially Depth (in):

Notes: Inside locked security fence. Screened upstream at 14-996 US1.

#### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

#### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage

Outfall  
Not  
Located

Photo Not Available

#### 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

Conductivity (field): -- µS/cm

Detergents: -- mg/L


Phenol: -- mg/L



# City of Oshkosh

Outfall ID: 14-996

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b>				
Submerged: Partially      Depth (in): 5						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
<b>Floatables:</b>	<input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
<b>Odor:</b>	<input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
<b>Turbidity:</b>	<input type="text"/>					
<b>Color:</b>	<input type="text"/>					
<b>Gross Solids:</b>	<input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
<b>Vegetation:</b>	<input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
<b>Benthic Growth:</b>	Slight	<input type="checkbox"/> Green	<input checked="" type="checkbox"/> Brown			
<b>Stains:</b>	<input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
<b>Non-illicit:</b>	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
<b>Graffiti:</b>	None					
<b>Erosion:</b>	None					
<b>Deposition:</b>	None	Depth (in): 0				
<b>Damage:</b>	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



Osh09\_DSCN6564.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L

# City of Oshkosh

## 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):



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.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 462,797

Easting: 791,046

### Latitude/Longitude:

Latitude: 43.98908

Longitude: -88.54542

Inspection Date: 7/31/2013 7:13:15 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 5

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Color:

None

Gross Solids:

None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation:

None

☐ Inhibited

☐ Excessive

Benthic Growth:

None

☐ Green

☐ Brown

Stains:

Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit:

None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130731061500.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130731-39

Time Collected 07:12

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0.5 ppm

pH (field): 7.67 units

Temperature (field): 71 °F

Conductivity (field): 431 µS/cm


Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

Outfall ID: 14-996 US1

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Moderate		<div style="border: 1px solid black; height: 40px; width: 100%;"></div> <b>Notes:</b>				
Submerged: None      Depth (in): 0						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	<div style="border: 1px solid black; width: 150px; height: 20px;"></div> None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	<div style="border: 1px solid black; width: 150px; height: 20px;"></div> None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	<div style="border: 1px solid black; width: 150px; height: 20px;"></div> None					
Color:	<div style="border: 1px solid black; width: 150px; height: 20px;"></div> None					
Gross Solids:	<div style="border: 1px solid black; width: 150px; height: 20px;"></div> None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	<div style="border: 1px solid black; width: 150px; height: 20px;"></div>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	<div style="border: 1px solid black; width: 150px; height: 20px;"></div>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	<div style="border: 1px solid black; width: 150px; height: 20px;"></div>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	<div style="border: 1px solid black; width: 150px; height: 20px;"></div> None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<div style="border: 1px solid black; padding: 5px;"><b>Physical Condition Assessment</b> Graffiti: None Erosion: None Deposition: None      Depth (in): 0 Damage: None <div style="display: flex; justify-content: space-between; margin-top: 5px;"><div><input type="checkbox"/> Displacement    <input type="checkbox"/> Undercut    <input type="checkbox"/> Crushed</div><div><input type="checkbox"/> Corrosion    <input type="checkbox"/> Cracks/Structural Damage</div></div></div>						



Osh09\_DSCN6567.JPG

**Sampling Results**  
Sample Location: Flow  
Sample ID: 090904-01  
Time Collected: 14:50  
Total Chlorine (field): 0 ppm  
Free Chlorine (field): 0 ppm  
Total Copper (field): 0 ppm  
Ammonia (field): -- ppm  
pH (field): 7.63 units  
Temperature (field): 82 °F  
Conductivity (field): -- µS/cm  
Detergents: 0 mg/L  
Phenol: 0 mg/L



# City of Oshkosh

## 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): 48

Height/Depth (in):

Width (in):



o20130731063028.JPG

#### Outfall Notes:

Hughes St storm sewer discharges to stream from north.

### Location Map



#### Mapping Precision:

Mapping GPS

☐ Not Physically Located

#### County Coordinates:

Northing: 462,824

Easting: 791,411

#### Latitude/Longitude:

Latitude: 43.98915

Longitude: -88.54403

Inspection Date: 7/31/2013 7:27:16 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

#### Flow Description: Trickle

Submerged: None

Depth (in):

Notes: End section displaced 4".

#### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: 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

Erosion: None

Deposition: None

Depth (in):

Damage: Minor

☒ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130731063036.JPG

#### Sampling Results

Sample Location: Flow

Sample ID: 130731-78

Time Collected: 07:25

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.05 units

Temperature (field): 71 °F


Conductivity (field): 1865 µS/cm

Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

Outfall ID: 14-999

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, slight flow				<b>Notes:</b> End section of pipe separated.			
Submerged: Partially		Depth (in): 1					
<b>Illicit Discharge Potential:</b> Unlikely				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	Slight	<input type="checkbox"/> Green	<input checked="" type="checkbox"/> Brown				
Stains:		<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	Moderate	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
							
<b>Sampling Results</b>							
Sample Location:		Pool					
Sample ID:		090904-22					
Time Collected		15:15					
Total Chlorine (field):		0 ppm					
Free Chlorine (field):		0 ppm					
Total Copper (field):		0 ppm					
Ammonia (field):		-- ppm					
pH (field):		7.82 units					
Temperature (field):		73 °F					
Conductivity (field):		-- µS/cm					
Detergents:		0 mg/L					
Phenol:		0 mg/L					

# City of Oshkosh

**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

Width (in): 45



o20130717104104.JPG

**Outfall Notes:**

Oregon St storm sewer discharges to east CTH I ditch.

**Location Map**



**Mapping Precison:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 457,009

Easting: 791,734

**Latitude/Longitude:**

Latitude: 43.97320

Longitude: -88.54279

**Inspection Date:** 7/17/2013 11:41:00 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** None

Submerged: None

Depth (in):

**Notes:** Apron sediment wet, but no collectable flow at time of inspection.

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter

☒ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: Minor

Depth (in): 5

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130717104110.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

Outfall ID: 14-1007

<b>Inspection Date:</b> 9/4/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> None		<b>Notes:</b> Garbage inside pipe.		 Osh09_DSCN6525.JPG		
Submerged: None	Depth (in): 0					
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up	<input type="checkbox"/> Office Follow-up			
Floatables: <input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage		<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: <input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage		<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur		<input type="checkbox"/> Fragrant	
Turbidity: <input type="text"/>						
Color: <input type="text"/>						
Gross Solids: <input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment		<input type="checkbox"/> Other	
Vegetation: <input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth: <input type="text"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains: <input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>						
Graffiti: None						
Erosion: None						
Deposition: <input type="text"/>	Depth (in): 1					
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
<b>Sampling Results</b>						
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						
Conductivity (field): -- µS/cm						
Detergents: -- mg/L						
Phenol: -- mg/L						

# City of Oshkosh

## 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): 12

Height/Depth (in):

Width (in):



o20130731072850.JPG

### Outfall Notes:

Main St storm sewer discharges to stream from south.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 463,341

Easting: 793,433

### Latitude/Longitude:

Latitude: 43.99057

Longitude: -88.53635

Inspection Date: 7/31/2013 8:22:46 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None Depth (in):

Notes: Pipe dry at time of inspection.

### 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

Turbidity:

Color:

Gross Solids:  ☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130731072858.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

**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): 12

Height/Depth (in):

Width (in):



o20130731071258.JPG

**Outfall Notes:**

Main St storm sewer discharges to stream from south.

**Location Map**



**Mapping Precison:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 463,294

Easting: 793,345

**Latitude/Longitude:**

Latitude: 43.99044

Longitude: -88.53668

**Inspection Date:** 7/31/2013 8:09:04 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** None

Submerged: None Depth (in):

**Notes:** Flowline wet, but no collectable flow at time of inspection.

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None ☐ Inhibited ☐ Excessive

Benthic Growth: Slight ☒ Green ☐ Brown

Stains: Slight ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130731071304.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

**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):

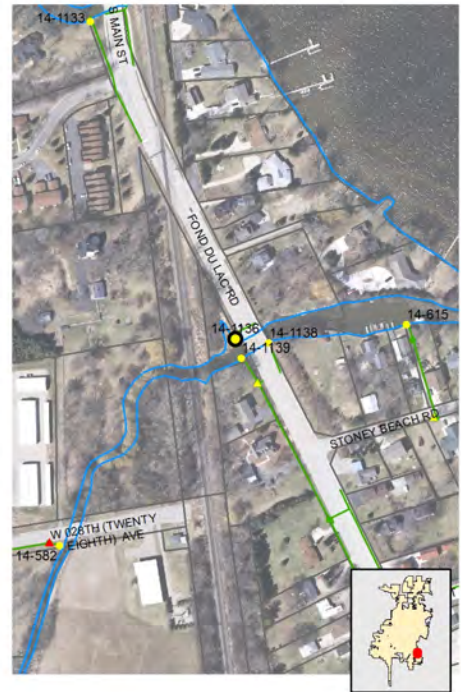


o20130731075420.JPG

**Outfall Notes:**

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

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 462,511

Easting: 793,684

**Latitude/Longitude:**

Latitude: 43.98830

Longitude: -88.53539

**Inspection Date:** 7/31/2013 8:47:06 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** None

Submerged: None

Depth (in):

**Notes:** Significant deposition and vegetation on apron.

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Moderate

☒ 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

Erosion: None

Deposition: Severe Depth (in): 10

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130731075424.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

**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):



o20130731074334.JPG

**Outfall Notes:**

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

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 462,499

Easting: 793,766

**Latitude/Longitude:**

Latitude: 43.98826

Longitude: -88.53508

**Inspection Date:** 7/31/2013 8:40:28 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** None

Submerged: None

Depth (in):

**Notes:** Apron sediment wet, but no collectable flow at time of inspection.

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ 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

Erosion: None

Deposition: Minor

Depth (in): 2

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130731074342.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):

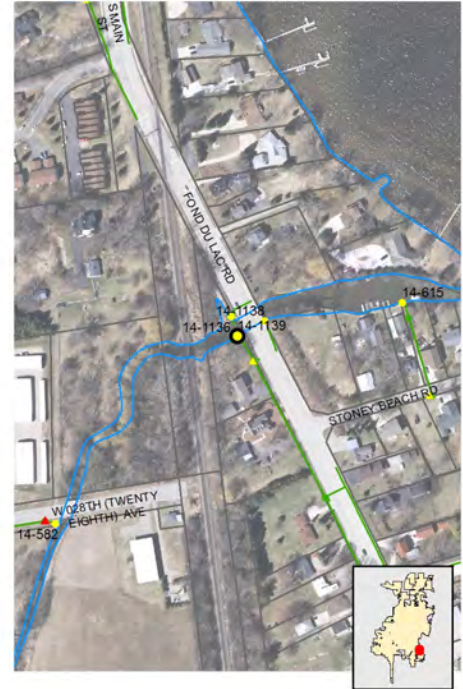


o20130731080446.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

### County Coordinates:

Northing: 462,464

Easting: 793,699

### Latitude/Longitude:

Latitude: 43.98817

Longitude: -88.53534

Inspection Date: 7/31/2013 9:01:25 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall under brush. Outfall screened upstream at 14-1139 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in):

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130731080450.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130731081054.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 462,404

Easting: 793,736

### Latitude/Longitude:

Latitude: 43.98800

Longitude: -88.53520

Inspection Date: 7/31/2013 9:07:56 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 32

Notes:

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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in):

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130731081104.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130731-54

Time Collected 09:07

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.63 units

Temperature (field): 72 °F

Conductivity (field): 1121 µS/cm

Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

**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):



o20130717095626.JPG

**Outfall Notes:**

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

**Location Map**



**Mapping Precison:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 454,438

Easting: 791,509

**Latitude/Longitude:**

Latitude: 43.96615

Longitude: -88.54364

**Inspection Date:** 7/17/2013 10:50:03 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** None

Submerged: None

Depth (in):

**Notes:** Apron blocked with dirt and grass. Pipe dry at time of inspection.

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: Severe Depth (in): 12

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130717095634.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

**Outfall ID: 14-1220**

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):

**Photo Not Available**

**Outfall Notes:**

Catchbasins from south ditch of Ripple Ave discharge to swale on south side of road.

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 454,446

Easting: 791,356

**Latitude/Longitude:**

Latitude: 43.96617

Longitude: -88.54422

**Inspection Date:** 7/17/2013 10:54:12 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** None

Submerged: None

Depth (in):

**Notes:** Pipe dry at time of inspection.

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage

**Photo Not Available**

**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

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130717101432.JPG

### Outfall Notes:

Ripple Ave storm sewer discharges to swale from east.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

454,512

Easting:

790,640

### Latitude/Longitude:

Latitude: 43.96635

Longitude: -88.54694

Inspection Date: 7/17/2013 11:09:19 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None

Depth (in):

Notes: Pipe dry at time of inspection.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor

Depth (in): 2

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130717101438.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

**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

Width (in): 38



o20130717100904.JPG

**Outfall Notes:**

Ripple Ave storms sewer discharges to swale from west.

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing:

454,512

Easting:

790,620

**Latitude/Longitude:**

Latitude: 43.96635

Longitude: -88.54702

**Inspection Date:** 7/17/2013 11:05:51 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** None

Submerged: None

Depth (in):

**Notes:** Pipe dry at time of inspection.

**Illicit Discharge Potential:** Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130717100914.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130730120714.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 458,230

Easting: 794,576

### Latitude/Longitude:

Latitude: 43.97656

Longitude: -88.53200

Inspection Date: 7/30/2013 1:00:47 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None Depth (in):

Notes: No flow leaving apron - no sample collected.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☒ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730120720.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130730121336.JPG

### Outfall Notes:

Detention basin discharges to stream from north via grassy area.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 458,182

Easting: 794,894

### Latitude/Longitude:

Latitude: 43.97642

Longitude: -88.53079

Inspection Date: 7/30/2013 1:07:34 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None Depth (in):

Notes: Pipe dry at time of inspection.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730121342.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130730122354.JPG

### Outfall Notes:

Cherry Park Ct storm sewer discharges to stream from south.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 458,039

Easting: 795,119

### Latitude/Longitude:

Latitude: 43.97603

Longitude: -88.52994

Inspection Date: 7/30/2013 1:20:10 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 8

Notes: Outfall partially submerged. Outfall screened upstream at 14-1387 US1.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Moderate

☒ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730122410.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):

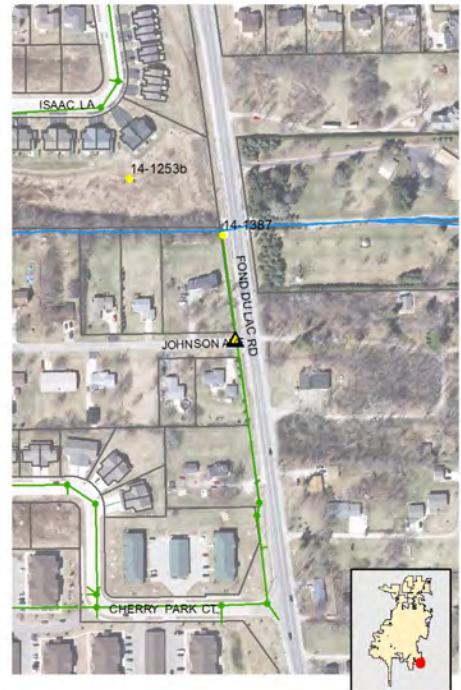


o20130730122942.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 457,786

Easting: 795,145

### Latitude/Longitude:

Latitude: 43.97534

Longitude: -88.52984

Inspection Date: 7/30/2013 1:26:33 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None Depth (in):

Notes: Flowline damp but no collectable flow at time of inspection. Animal feces on pipe crown.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in):

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130730122952.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130717124108.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 459,923

Easting: 792,532

### Latitude/Longitude:

Latitude: 43.98120

Longitude: -88.53977

Inspection Date: 7/17/2013 1:35:29 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None Depth (in):

Notes: Pipe dry at time of inspection. Significant corrosion of pipe.

### 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

Turbidity:

Color:

Gross Solids:  ☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: Moderate ☐ Displacement ☐ Undercut ☐ Crushed

☒ Corrosion ☐ Cracks/Structural Damage



o20130717124114.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130702085424.JPG

### Outfall Notes:

Storm sewer discharges to Winnebago County Community Park from west.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 493,049

Easting: 792,990

### Latitude/Longitude:

Latitude: 44.07206

Longitude: -88.53809

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




o20130702085452.JPG

# City of Oshkosh

Outfall ID: 15-1348

<b>Inspection Date:</b> 9/2/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate				<b>Notes:</b> Significant grass clippings in outfall pipe.			
Submerged: Partially		Depth (in): 16					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	<input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	<input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	<input type="text"/>						
Color:	<input type="text"/>						
Gross Solids:	<input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	<input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	Slight	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	<input type="text"/>	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				



Osh09\_DSCN6311.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130702080038.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 492,948

Easting: 792,809

### Latitude/Longitude:

Latitude: 44.07179

Longitude: -88.53878

Inspection Date: 7/2/2013 8:59:18 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, slight flow

Submerged: Partially

Depth (in): 2

Notes: First upstream manhole not located.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702080052.JPG

### Sampling Results

Sample Location: Flow

Sample ID: 130702-02

Time Collected 08:56

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.95 units

Temperature (field): 71 °F


Conductivity (field): 894 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 15-1348 US1

<b>Inspection Date:</b> 9/2/2009		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Initial	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Trickle		<b>Notes:</b>				
Submerged: None      Depth (in): 0						
<b>Illicit Discharge Potential:</b> Unlikely		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:		<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in): 0				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			
<b>Sampling Results</b>						
Sample Location: Flow						
Sample ID: 090902-05						
Time Collected 10:50						
Total Chlorine (field): 0 ppm						
Free Chlorine (field): 0 ppm						
Total Copper (field): 0 ppm						
Ammonia (field): -- ppm						
pH (field): 7.98 units						
Temperature (field): 72 °F						
Conductivity (field): -- µS/cm						
Detergents: 0 mg/L						
Phenol: 0 mg/L						

# City of Oshkosh

## 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):



o20130702081142.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 493,193

Easting: 792,824

### Latitude/Longitude:

Latitude: 44.07246

Longitude: -88.53872

Inspection Date: 7/2/2013 9:08:59 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, slight flow

Submerged: Partially

Depth (in): 3

Notes: First upstream manhole not located.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☐ Litter

☒ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130702081154.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130702-18

Time Collected 09:06

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.88 units

Temperature (field): 69 °F

Conductivity (field): 1050 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

Outfall ID: 15-1348 US2

<b>Inspection Date:</b> 9/2/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Trickle				<b>Notes:</b> Grass clippings in manhole and surrounding curb.			
Submerged: None		Depth (in): 0					
<b>Illicit Discharge Potential:</b> Potential				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:		<input type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
				<b>Sampling Results</b>			
				Sample Location: Flow			
				Sample ID: 090902-10			
				Time Collected 11:00			
				Total Chlorine (field): 0 ppm			
				Free Chlorine (field): 0 ppm			
				Total Copper (field): 0 ppm			
				Ammonia (field): -- ppm			
				pH (field): 7.67 units			
				Temperature (field): 72 °F			
				Conductivity (field): -- µS/cm			
				Detergents: 0 mg/L			
				Phenol: 0 mg/L			



Osh09\_DSCN6315.JPG

# City of Oshkosh

## 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):



o20130702082622.JPG

### Outfall Notes:

Jacktar Rd storm sewer discharges to vacant property from north.

### Location Map



### Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

### County Coordinates:

Northing:

496,387

Easting:

792,475

### Latitude/Longitude:

Latitude: 44.08122

Longitude: -88.54005

Inspection Date: 7/2/2013 9:25:13 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None

Depth (in):

Notes: Outfall not located -covered with yard waste. Screened upstream at 15-1702 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702082630.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):

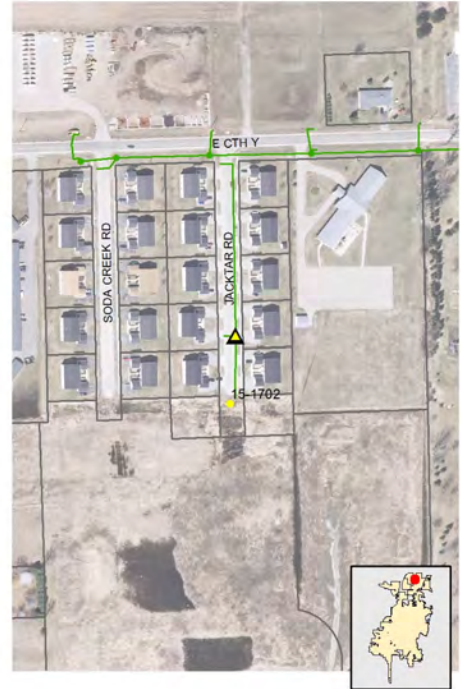


o20130702083212.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 496,552

Easting: 792,489

### Latitude/Longitude:

Latitude: 44.08167

Longitude: -88.54000

Inspection Date: 7/2/2013 9:26:59 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 2

Notes: 2-3" of wet sediment and vegetative debris. No sample collected.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☒ Debris ☒ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☒ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in): 2

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702083224.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):

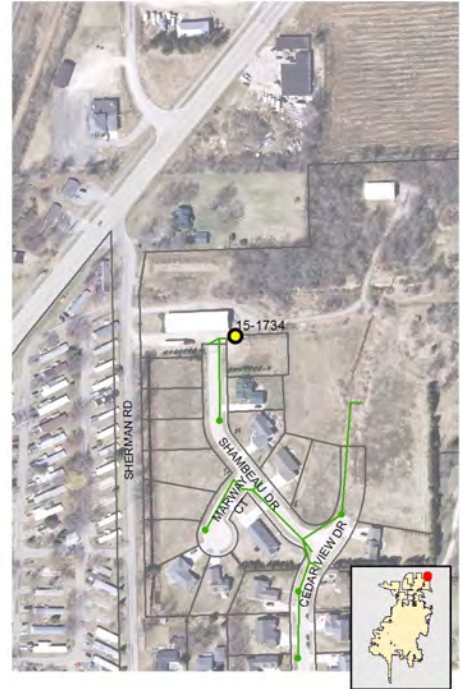


o20130716060136.JPG

### Outfall Notes:

Shambeau Dr storm sewer discharges to channel from west.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 498,018

Easting: 798,495

### Latitude/Longitude:

Latitude: 44.08570

Longitude: -88.51714

Inspection Date: 7/16/2013 6:55:40 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None

Depth (in):

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 1

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130716060142.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130716064250.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Desktop mapping estimate

☐ Not Physically Located

### County Coordinates:

Northing: 497,876

Easting: 799,925

### Latitude/Longitude:

Latitude: 44.08531

Longitude: -88.51170

Inspection Date: 7/16/2013 7:37:30 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 12

Notes: Outfall partially submerged. Outfall screened upstream at 15-1746 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 2

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130716064300.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



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.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 497,740

Easting: 799,828

### Latitude/Longitude:

Latitude: 44.08494

Longitude: -88.51207

Inspection Date: 7/16/2013 7:42:44 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 5

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☐ Litter

☒ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130716064804.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130716-16

Time Collected 07:45

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.29 units

Temperature (field): 71 °F

Conductivity (field): 1139 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130716061550.JPG

### Outfall Notes:

Island Estates Ct curb inlets discharge to swale from south.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 497,429

Easting: 799,675

### Latitude/Longitude:

Latitude: 44.08408

Longitude: -88.51265

Inspection Date: 7/16/2013 7:08:52 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 14

Notes: Outfall partially submerged. Outfall screened at 15-1749 US1. Stone/riprap in end of pipe.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130716061556.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130716061752.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 497,416

Easting: 799,662

### Latitude/Longitude:

Latitude: 44.08405

Longitude: -88.51270

Inspection Date: 7/16/2013 7:12:27 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 12

Notes:

Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☐ Green

☒ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130716061800.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130716-40

Time Collected 07:15

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.28 units

Temperature (field): 71 °F

Conductivity (field): 1385 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

**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):



o20130905091004.JPG

**Outfall Notes:**

Jackson St storm sewer discharges to stream from south.

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 487,387

Easting: 791,764

**Latitude/Longitude:**

Latitude: 44.05653

Longitude: -88.54274

**Inspection Date:** 9/5/2013 10:06:52 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, indeterminate

Submerged: Partially

Depth (in): 3

**Notes:** Outfall partially submerged. Outfall screened upstream at 15-1806 US1.

**Illicit Discharge Potential:** Unlikely

☐ 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

**Turbidity:** None

**Color:** None

**Gross Solids:** None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

**Vegetation:** None

☐ Inhibited

☐ Excessive

**Benthic Growth:** None

☐ Green

☐ Brown

**Stains:** Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

**Non-illicit:** None

☐ Natural Sheen

☐ Natural Suds/Foam

**Physical Condition Assessment**

**Graffiti:** None

**Erosion:** None

**Deposition:** Minor

Depth (in): 1

**Damage:** None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130905091014.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

**Temperature (field):** -- °F

**Conductivity (field):** -- µS/cm

**Detergents:** -- mg/L

**Phenol:** -- mg/L



# City of Oshkosh

## 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):



o20130905085950.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 487,378

Easting: 791,738

### Latitude/Longitude:

Latitude: 44.05651

Longitude: -88.54284

Inspection Date: 9/5/2013 9:56:09 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None Depth (in):

Notes: Manhole dry at time of inspection.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in):

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130905090002.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130905091444.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

487,411

Easting:

791,765

### Latitude/Longitude:

Latitude: 44.05660

Longitude: -88.54273

Inspection Date: 9/5/2013 10:10:16 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None

Depth (in):

Notes: Outfall screened upstream at 15-1807 US1 due to deposition.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Severe Depth (in): 15

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130905091450.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130905085526.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 487,423

Easting: 791,736

### Latitude/Longitude:

Latitude: 44.05663

Longitude: -88.54284

Inspection Date: 9/5/2013 9:52:07 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None Depth (in):

Notes: Sediment in bottom of manhole. No collectable flow.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 3

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130905085542.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):

Width (in):



o20130905095104.JPG

### Outfall Notes:

Jackson St storm sewer discharges to stream from south.

### Location Map



### Mapping Precison:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 488,882

Easting: 791,759

### Latitude/Longitude:

Latitude: 44.06063

Longitude: -88.54276

Inspection Date: 9/5/2013 10:48:08 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 7

Notes: Outfall partially submerged. Outfall screened upstream at 15-1856 US1.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Moderate

☒ 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

Erosion: None

Deposition: Moderate Depth (in): 5

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130905095140.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130905094002.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 488,864

Easting: 791,725

### Latitude/Longitude:

Latitude: 44.06058

Longitude: -88.54289

Inspection Date: 9/5/2013 10:33:28 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 4

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☒ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 1

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130905094012.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130905-20

Time Collected 10:32

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 1 ppm

pH (field): 7.86 units

Temperature (field): 71 °F

Conductivity (field): 1256 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

**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): 45



o20130905094742.JPG

**Outfall Notes:**

Jackson St storm sewer discharges to stream from north.

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 488,900

Easting: 791,759

**Latitude/Longitude:**

Latitude: 44.06068

Longitude: -88.54276

**Inspection Date:** 9/5/2013 10:41:23 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, indeterminate

Submerged: Partially

Depth (in): 10

**Notes:** Outfall partially submerged. Outfall screened upstream at 15-1889 US1.

**Illicit Discharge Potential:** Unlikely

☐ 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

**Turbidity:** None

**Color:** None

**Gross Solids:** None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

**Vegetation:** None

☐ Inhibited

☐ Excessive

**Benthic Growth:** Moderate

☒ Green

☐ Brown

**Stains:** Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

**Non-illicit:** None

☐ Natural Sheen

☐ Natural Suds/Foam

**Physical Condition Assessment**

**Graffiti:** None

**Erosion:** None

**Deposition:** None

Depth (in):

**Damage:** None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130905094800.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

**Temperature (field):** -- °F

**Conductivity (field):** -- µS/cm


**Detergents:** -- mg/L

**Phenol:** -- mg/L



# City of Oshkosh

Outfall ID: 15-1889

<b>Inspection Date:</b> 9/2/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, slight flow				<b>Notes:</b>			
Submerged: Partially		Depth (in): 11					
<b>Illicit Discharge Potential:</b> Unlikely				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	Slight	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:		<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	Depth (in): 7						
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				
							
Osh09_DSCN6385.JPG							
<b>Sampling Results</b>							
Sample Location:		Pool					
Sample ID:		090902-10L					
Time Collected		15:05					
Total Chlorine (field):		0 ppm					
Free Chlorine (field):		0 ppm					
Total Copper (field):		0 ppm					
Ammonia (field):		-- ppm					
pH (field):		7.31 units					
Temperature (field):		74 °F					
Conductivity (field):		-- µS/cm					
Detergents:		0 mg/L					
Phenol:		0 mg/L					

# City of Oshkosh

## 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):

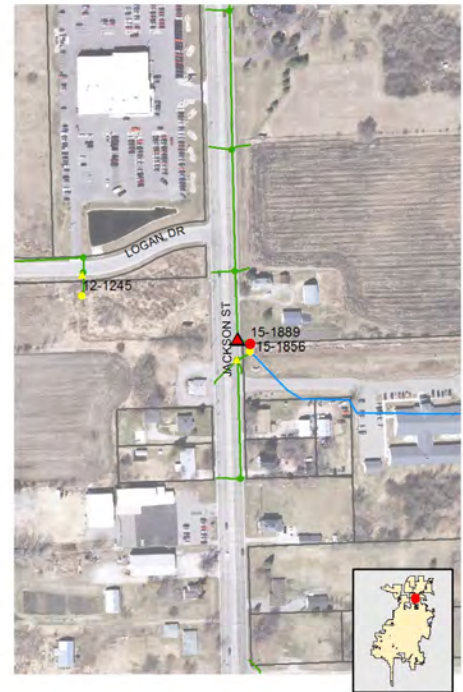


o20130905093528.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

488,913

Easting:

791,727

### Latitude/Longitude:

Latitude: 44.06072

Longitude: -88.54288

Inspection Date: 9/5/2013 10:26:45 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 7

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130905093540.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130905-70

Time Collected 10:26

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.75 units

Temperature (field): 71 °F

Conductivity (field): 1256 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

**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):



o20130716081518.JPG

**Outfall Notes:**

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

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 491,742

Easting: 792,216

**Latitude/Longitude:**

Latitude: 44.06848

Longitude: -88.54103

**Inspection Date:** 7/16/2013 9:11:33 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 7

**Notes:** Outfall partially submerged. Outfall screened upstream at 15-1891 US1.

**Illicit Discharge Potential:** Unlikely

☐ 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

**Turbidity:** None

**Color:** None

**Gross Solids:** None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

**Vegetation:** None

☐ Inhibited ☐ Excessive

**Benthic Growth:** Slight

☒ Green ☐ Brown

**Stains:** None

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

**Non-illicit:** None

☐ Natural Sheen ☐ Natural Suds/Foam

**Physical Condition Assessment**

**Graffiti:** None

**Erosion:** Minor

**Deposition:** Severe Depth (in): 7

**Damage:** None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130716081522.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

**Temperature (field):** -- °F

**Conductivity (field):** -- µS/cm

**Detergents:** -- mg/L

**Phenol:** -- mg/L



# City of Oshkosh

## 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):



o20130716082022.JPG

### Outfall Notes:

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

## Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 491,755

Easting: 792,151

### Latitude/Longitude:

Latitude: 44.06851

Longitude: -88.54128

Inspection Date: 7/16/2013 9:14:01 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 8

Notes:

Illicit Discharge Potential: Unlikely

☐ 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

Color: None

Gross Solids: Moderate

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Moderate

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: Moderate

☒ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor

Depth (in): 2

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130716082028.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130716-48

Time Collected 09:15

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 1 ppm

pH (field): 7.24 units

Temperature (field): 79 °F

Conductivity (field): 289 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130702094124.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 491,770

Easting: 793,795

### Latitude/Longitude:

Latitude: 44.06856

Longitude: -88.53502

Inspection Date: 7/2/2013 10:35:06 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 14

Notes: Outfall partially submerged. Outfall screened upstream at 15-1903 US2.

### 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

Turbidity:

Color:

Gross Solids:  ☒ Litter ☒ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in): 6

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702094142.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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:

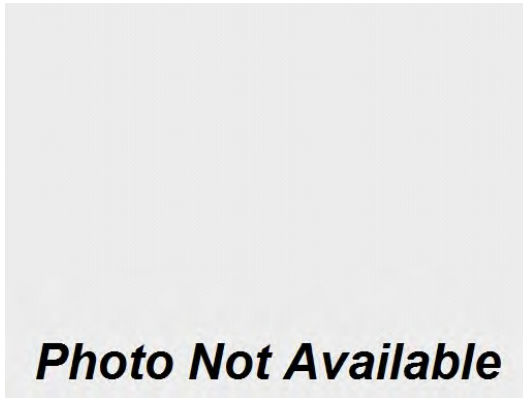
East Snell Rd

### Dimensions

Diameter (in):

Height/Depth (in):

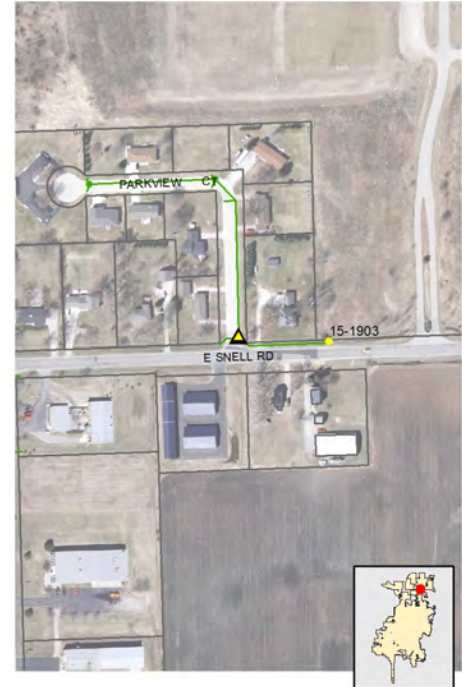
Width (in):



### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 491,788

Easting: 793,573

### Latitude/Longitude:

Latitude: 44.06861

Longitude: -88.53586

Inspection Date: 7/2/2013 10:42:03 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 8

Notes:

### Illicit Discharge Potential: Unlikely

☐ 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

Color: None

Gross Solids: Slight

☐ Litter ☒ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: Slight

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: Slight

☒ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage

Photo Not Available

### Sampling Results

Sample Location: Pool

Sample ID: 130702-32

Time Collected 10:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.91 units

Temperature (field): 73 °F

Conductivity (field): 1061 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130716071838.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 491,184

Easting: 795,668

### Latitude/Longitude:

Latitude: 44.06695

Longitude: -88.52789

Inspection Date: 7/16/2013 8:10:37 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None

Depth (in):

Notes: Apron wet, but no collectable flow from pipe at time of inspection.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☐ Green

☒ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130716071846.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130905101540.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 491,318

Easting: 795,667

### Latitude/Longitude:

Latitude: 44.06732

Longitude: -88.52790

Inspection Date: 9/5/2013 11:09:14 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 5

Notes: Outfall partially submerged. Outfall screened upstream at 15-2297 US1.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130905101552.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130905102910.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 491,519

Easting: 795,634

### Latitude/Longitude:

Latitude: 44.06787

Longitude: -88.52802

Inspection Date: 9/5/2013 11:25:49 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None Depth (in):

Notes: Flowline damp, but no collectable flow at time of inspection.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130905102920.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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

Width (in): 68

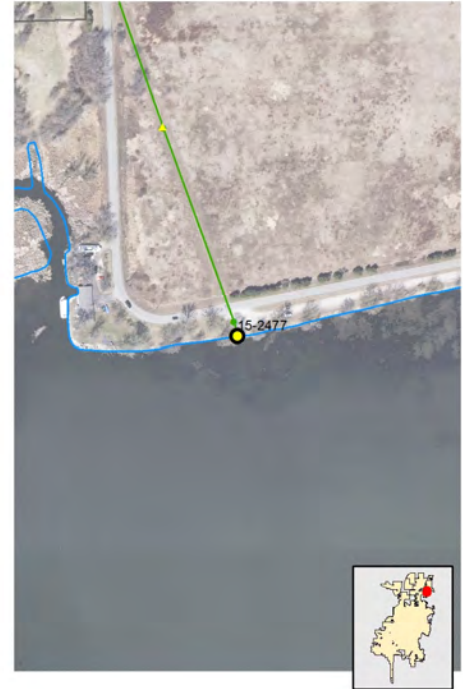


o20130716074026.JPG

### Outfall Notes:

Sherman Road storm sewer discharges to Asylum Bay from north.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

490,793

Easting:

797,297

### Latitude/Longitude:

Latitude: 44.06588

Longitude: -88.52170

Inspection Date: 7/16/2013 8:34:01 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 41

Notes: Outfall partially submerged. Outfall screened upstream at 15-2477 US2.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Moderate

☒ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 9

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130716074040.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):

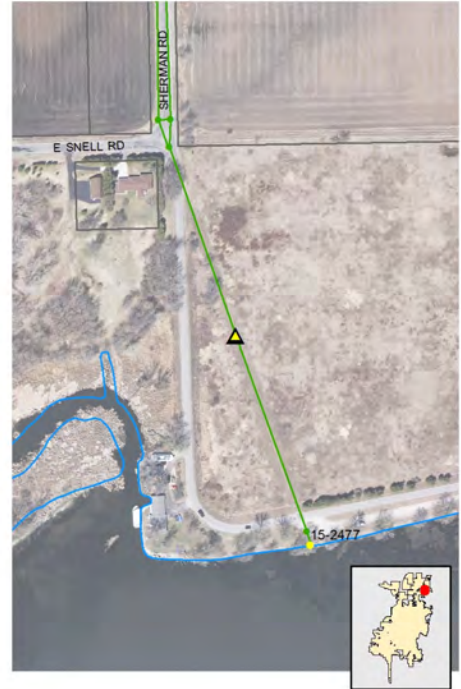


o20130716074846.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 491,307

Easting: 797,123

### Latitude/Longitude:

Latitude: 44.06729

Longitude: -88.52236

Inspection Date: 7/16/2013 8:46:08 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 18

Notes:

### Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: Slight ☐ 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 ☐ Inhibited ☐ Excessive

Benthic Growth: None ☐ Green ☐ Brown

Stains: Slight ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130716074908.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130716-81

Time Collected 08:48

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.07 units

Temperature (field): 80 °F

Conductivity (field): 437 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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



o20130905113652.JPG

### Outfall Notes:

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

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 477,157  
Easting: 782,760

### Latitude/Longitude:

Latitude: 44.02845  
Longitude: -88.57695

Inspection Date: 9/5/2013 12:32:55 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 28

Notes: Significant duckweed. Outfall partially submerged. Outfall screened upstream at 16-1508 US1.

### 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

Turbidity:

Color:

Gross Solids:  ☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☒ Green ☐ Brown

Stains:  ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti:

Erosion:

Deposition:  Depth (in):

Damage:  ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130905113702.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm


Detergents: -- mg/L


Phenol: -- mg/L



# City of Oshkosh

Outfall ID: 16-1508

<b>Inspection Date:</b> 9/27/2012 12:57:15 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Repeat	<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Construction around outfall. Screened upstream at 16-1508 US1.			
Submerged: Partially      Depth (in): 15					
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables: <input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: <input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity: <input type="text" value="None"/>					
Color: <input type="text" value="None"/>					
Gross Solids: <input type="text" value="Slight"/>	<input checked="" type="checkbox"/> Litter	<input checked="" type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation: <input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth: <input type="text" value="Slight"/>	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains: <input type="text" value="Slight"/>	<input checked="" type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>					
Graffiti: None					
Erosion: None					
Deposition: Moderate      Depth (in): 9					
Damage: None <input type="checkbox"/> Displacement <input type="checkbox"/> Undercut <input type="checkbox"/> Crushed					
<input type="checkbox"/> Corrosion <input type="checkbox"/> Cracks/Structural Damage					
 o20120927115922.JPG					
<b>Sampling Results</b>					
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					
Conductivity (field): -- µS/cm					
Detergents: -- mg/L					
Phenol: -- mg/L					

<b>Inspection Date:</b> 5/30/2012 1:02:54 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Outfall partially submerged. Outfall screened upstream at 16-1508 US1.			
Submerged: Partially      Depth (in): 33					
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up			
Floatables: <input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: <input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity: <input type="text" value="None"/>					
Color: <input type="text" value="None"/>					
Gross Solids: <input type="text" value="Slight"/>	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation: <input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth: <input type="text" value="None"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains: <input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit: <input type="text" value="Slight"/>	<input checked="" type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>					
Graffiti: None					
Erosion: None					
Deposition: None      Depth (in):					
Damage: None <input type="checkbox"/> Displacement <input type="checkbox"/> Undercut <input type="checkbox"/> Crushed					
<input type="checkbox"/> Corrosion <input type="checkbox"/> Cracks/Structural Damage					
 o20120530120256.JPG					
<b>Sampling Results</b>					
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					
Conductivity (field): -- µS/cm					
Detergents: -- mg/L					
Phenol: -- mg/L					

# City of Oshkosh

## 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):



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).

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 477,106

Easting: 782,695

### Latitude/Longitude:

Latitude: 44.02831

Longitude: -88.57720

Inspection Date: 9/5/2013 12:37:35 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: 2012 ammonia detection follow-up.

Submerged: Partially

Depth (in): 27

Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130905114422.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130905-03

Time Collected 12:35

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0.5 ppm

pH (field): 7.82 units

Temperature (field): 86 °F

Conductivity (field): 754 µS/cm


Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

Outfall ID: 16-1508 US1


<b>Inspection Date:</b> 9/27/2012 12:51:46 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Repeat	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Ammonia detection follow-up.				
Submerged: Partially      Depth (in): 9						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120927115358.JPG

<b>Sampling Results</b>	
Sample Location:	Pool
Sample ID:	120927-48
Time Collected	12:52
Total Chlorine (field):	0 ppm
Free Chlorine (field):	0 ppm
Total Copper (field):	0 ppm
Ammonia (field):	3 ppm
pH (field):	7.8 units
Temperature (field):	65 °F
Conductivity (field):	1408 µS/cm
Detergents:	0 mg/L
Phenol:	-- mg/L

<b>Inspection Date:</b> 6/6/2012 11:27:15 AM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Repeat	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b> Ammonia detection follow-up. Limited screening conducted.				
Submerged: Partially      Depth (in):						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120606102704.JPG


<b>Sampling Results</b>	
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
Temperature (field):	72 °F
Conductivity (field):	1088 µS/cm
Detergents:	0 mg/L
Phenol:	-- mg/L



# City of Oshkosh

Outfall ID: 16-1508 US1

<b>Inspection Date:</b> 5/30/2012 1:14:06 PM		<b>Inspector:</b> JCW	<b>Inspection Type:</b> Ongoing	<b>Previous Rainfall (hrs):</b> 72+		
<b>Flow Description:</b> Submerged, indeterminate		<b>Notes:</b>				
Submerged: Partially      Depth (in): 29						
<b>Illicit Discharge Potential:</b> Potential		<input type="checkbox"/> Field Follow-up <input type="checkbox"/> Office Follow-up				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other		
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
<b>Physical Condition Assessment</b>						
Graffiti:	None					
Erosion:	None					
Deposition:	None	Depth (in):				
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			



o20120530121440.JPG

**Sampling Results**  
Sample Location: Pool  
Sample ID: 120530-97  
Time Collected 13:15  
Total Chlorine (field): 0 ppm  
Free Chlorine (field): 0 ppm  
Total Copper (field): 0 ppm  
Ammonia (field): 1 ppm  
pH (field): 7.9 units  
Temperature (field): 64 °F  
Conductivity (field): 1097 µS/cm  
Detergents: 0 mg/L  
Phenol: 0 mg/L

# City of Oshkosh

## 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



o20130716111222.JPG

### Outfall Notes:

Three outlet pipes for detention basin discharge to grassy wetland area.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing:

492,642

Easting:

779,453

### Latitude/Longitude:

Latitude: 44.07092

Longitude: -88.58959

Inspection Date: 7/16/2013 12:05:35 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 4

Notes: No upstream screening location - sample collected from outfall pool.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Severe

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130716111232.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130716-28

Time Collected 12:19

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.18 units

Temperature (field): 82 °F

Conductivity (field): 780 µS/cm

Detergents: 0 mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130716113306.JPG

### Outfall Notes:

Edgewood Ln ditches discharge to SW corner of detention basin through culvert.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 492,579

Easting: 777,700

### Latitude/Longitude:

Latitude: 44.07074

Longitude: -88.59626

Inspection Date: 7/16/2013 12:26:51 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 1

Notes: Outfall partially submerged. Outfall screened upstream at EdgePond2in US1.

### Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: Severe

☐ 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

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130716113324.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L



# City of Oshkosh

## 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):



o20130716113558.JPG

### Outfall Notes:

Upstream end of Edgewood Lane culvert that discharges to detention basin.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 492,562

Easting: 777,649

### Latitude/Longitude:

Latitude: 44.07069

Longitude: -88.59645

Inspection Date: 7/16/2013 12:30:11 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: None

Submerged: None

Depth (in):

Notes: Upstream end of pipe dry at time of inspection.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130716113606.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

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Phenol: -- mg/L

# City of Oshkosh

## 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):



o20130702061548.JPG

### Outfall Notes:

Detention basin discharges to stream from north via riprap channel.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 487,298

Easting: 788,533

### Latitude/Longitude:

Latitude: 44.05628

Longitude: -88.55503

Inspection Date: 7/2/2013 7:12:18 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 3

Notes: Sample collected from submerged flow.

### 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

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:  ☐ Inhibited ☐ Excessive

Benthic Growth:  ☐ Green ☐ Brown

Stains:  ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Corrosion ☐ Paint ☐ Other

Non-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20130702061552.JPG

### Sampling Results

Sample Location: Flow

Sample ID: 130702-93

Time Collected 07:12

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 9.2 units

Temperature (field): 72 °F

Conductivity (field): 449 µS/cm


Detergents: 0 mg/L

Phenol: 0 mg/L

# City of Oshkosh

Outfall ID: FernauPond

<b>Inspection Date:</b> 9/2/2009		<b>Inspector:</b> JCW		<b>Inspection Type:</b> Initial		<b>Previous Rainfall (hrs):</b> 72+	
<b>Flow Description:</b> None				<b>Notes:</b>			
Submerged: None		Depth (in): 0					
<b>Illicit Discharge Potential:</b> Unlikely				<input type="checkbox"/> Field Follow-up		<input type="checkbox"/> Office Follow-up	
Floatables:	<input type="text"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	
Odor:	<input type="text"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other	
		<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant		
Turbidity:	<input type="text"/>						
Color:	<input type="text"/>						
Gross Solids:	<input type="text"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other		
Vegetation:	<input type="text"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
Benthic Growth:	Slight	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Brown				
Stains:	<input type="text"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit:	None	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam				
<b>Physical Condition Assessment</b>							
Graffiti:	None						
Erosion:	None						
Deposition:	None	Depth (in): 0					
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed			
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage				



Osh09\_DSCN6298.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  
Temperature (field): -- °F  
Conductivity (field): -- µS/cm  
Detergents: -- mg/L  
Phenol: -- mg/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):

Width (in):



o20130730085028.JPG

### Outfall Notes:

Detention basin discharges to railroad right-of-way via grass swale.

### Location Map



### Mapping Precision:

Mapping GPS

☐ Not Physically Located

### County Coordinates:

Northing: 462,909

Easting: 775,247

### Latitude/Longitude:

Latitude: 43.98934

Longitude: -88.60544

Inspection Date: 7/30/2013 9:47:56 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

### Flow Description: Submerged, indeterminate

Submerged: Partially

Depth (in): 5

Notes: No upstream screening point - sample collected from outfall pool.

### Illicit Discharge Potential: Unlikely

☐ 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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Moderate

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Corrosion

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

### Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20130730085048.JPG

### Sampling Results

Sample Location: Pool

Sample ID: 130730-74

Time Collected 09:46

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Total Copper (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.46 units

Temperature (field): 72 °F

Conductivity (field): 804 µS/cm

Detergents: 0 mg/L

Phenol: 0 mg/L

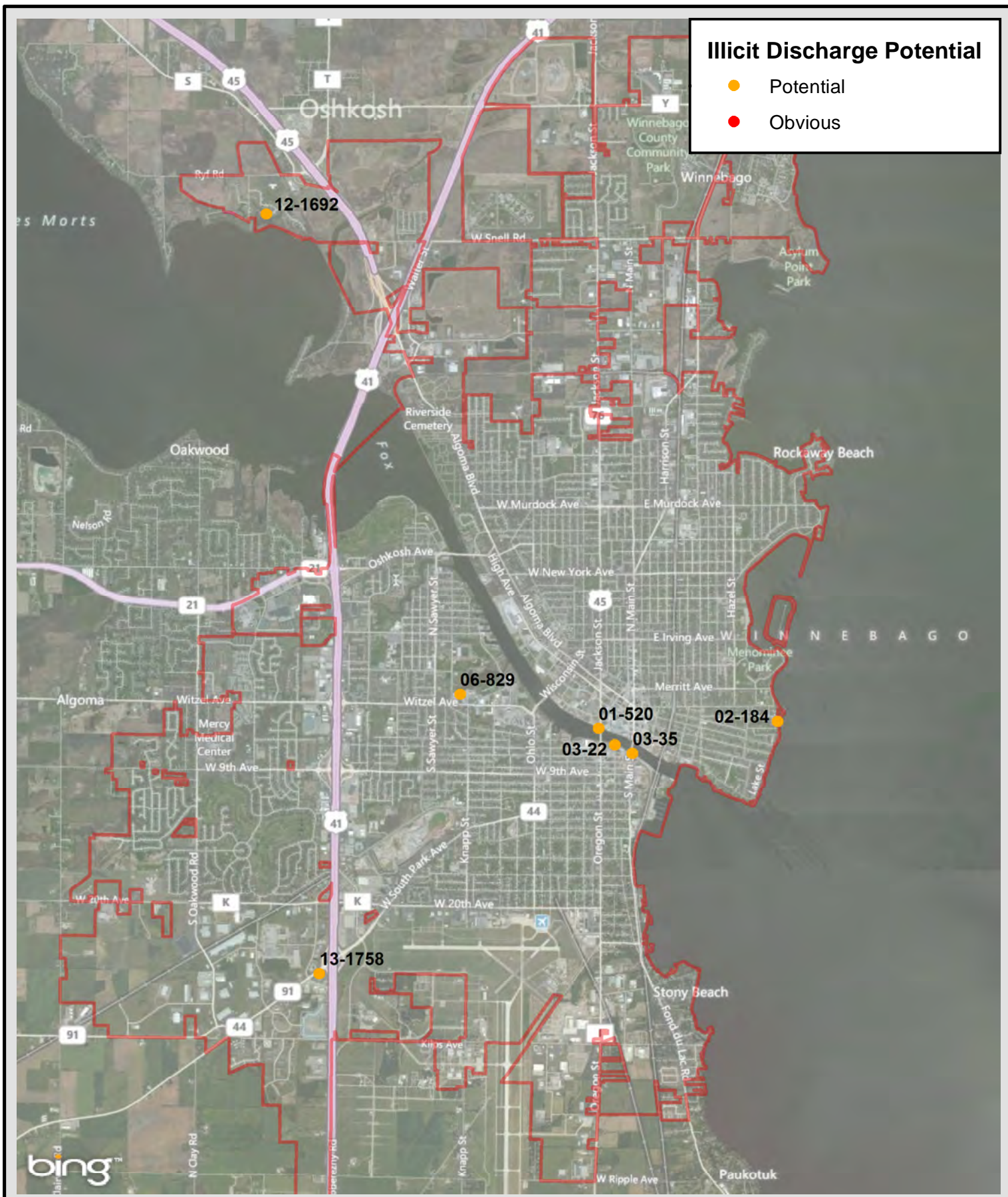
## **Appendix C**



### **Outfall Condition Summary Maps**

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- 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



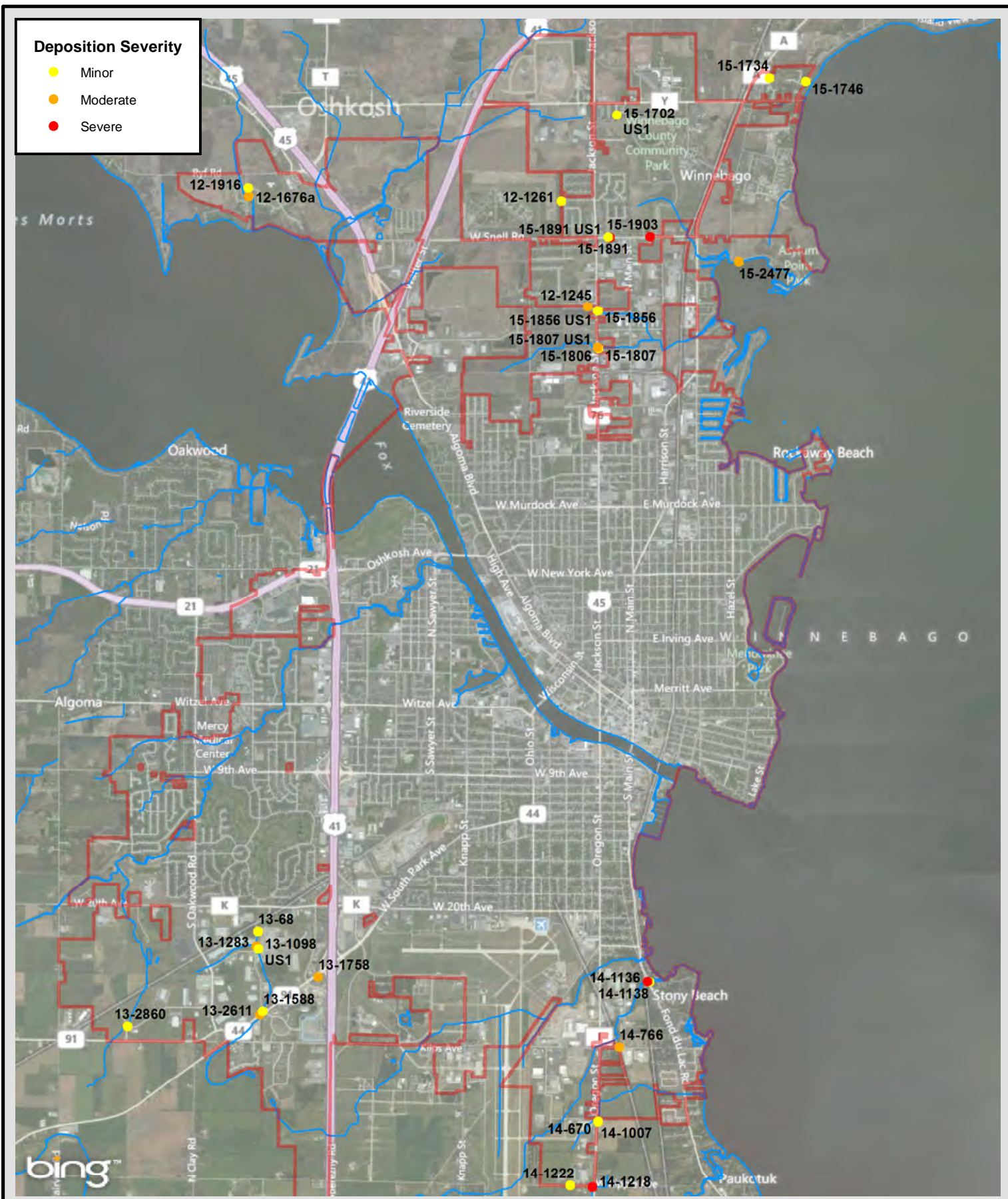


 <p>ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100</p>		<p><b>2013 IDDE ONGOING SCREENING PROGRAM</b></p> <p><b>OUTFALLS WITH POTENTIAL ILLICIT DISCHARGES</b></p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>	<p>Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW</p>	<p>SCALE: 1" = 5,047'</p> <p>PROJECT NO. <b>N2029B13</b></p> <p>FIGURE NO. <b>C-1</b></p>
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<p>ONE SYSTEMS DRIVE APPLETON, WI 54914</p> <p>PHONE (920) 735-6900 FAX (920) 830-6100</p>		<p><b>2013 IDDE ONGOING SCREENING PROGRAM</b></p> <p><b>OUTFALLS WITH DEPOSITION</b></p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>	Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW	SCALE: 1" = 7,000'
			Date: 12/3/2013	PROJECT NO. <b>N2029B13</b> FIGURE NO. <b>C-3</b>









## **Appendix D**

### **Illicit Discharge Investigation Reports**

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- 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

## APPENDIX D-1

### Upstream Manholes with Significant Floatable Debris





 <p>ONE SYSTEMS DRIVE APPLETON, WI 54914</p> <p>PHONE (920) 735-6900 FAX (920) 830-6100</p>		<p><b>2013 IDDE ONGOING SCREENING PROGRAM</b></p> <p><b>MANHOLES WITH FLOATABLE GROSS SOLIDS</b></p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>	<p>Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW</p> <p>Date: 12/5/2013</p>	<p>SCALE: 1" = 5,047'</p> <p>PROJECT NO. <b>N2029B13</b></p> <p>FIGURE NO. <b>D-1</b></p>
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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 Weis  
**Subject:** 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!

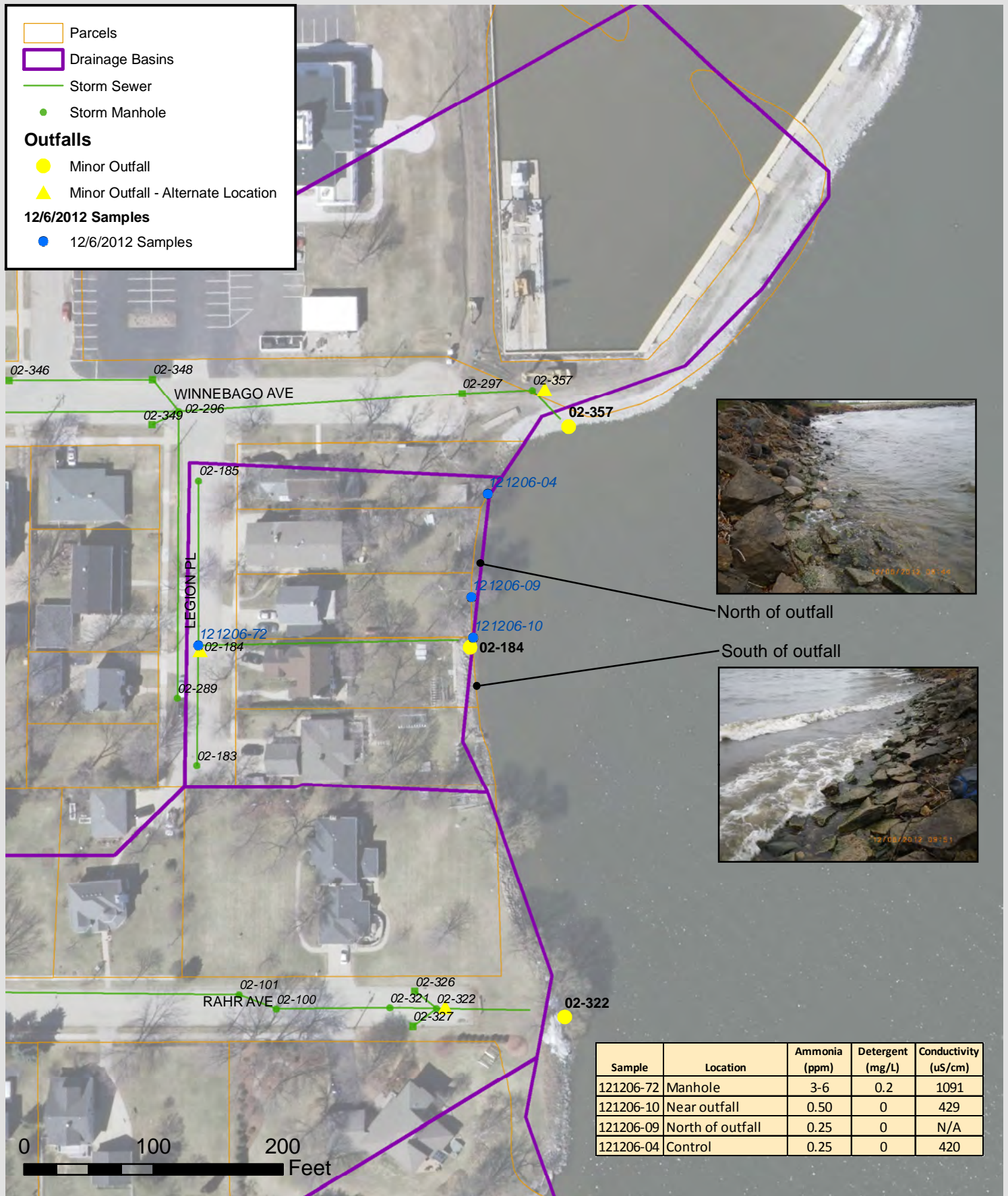
*Brian D. Wayner, P.E.*  
Environmental Manager

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](mailto:bwayner@omnni.com)

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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.

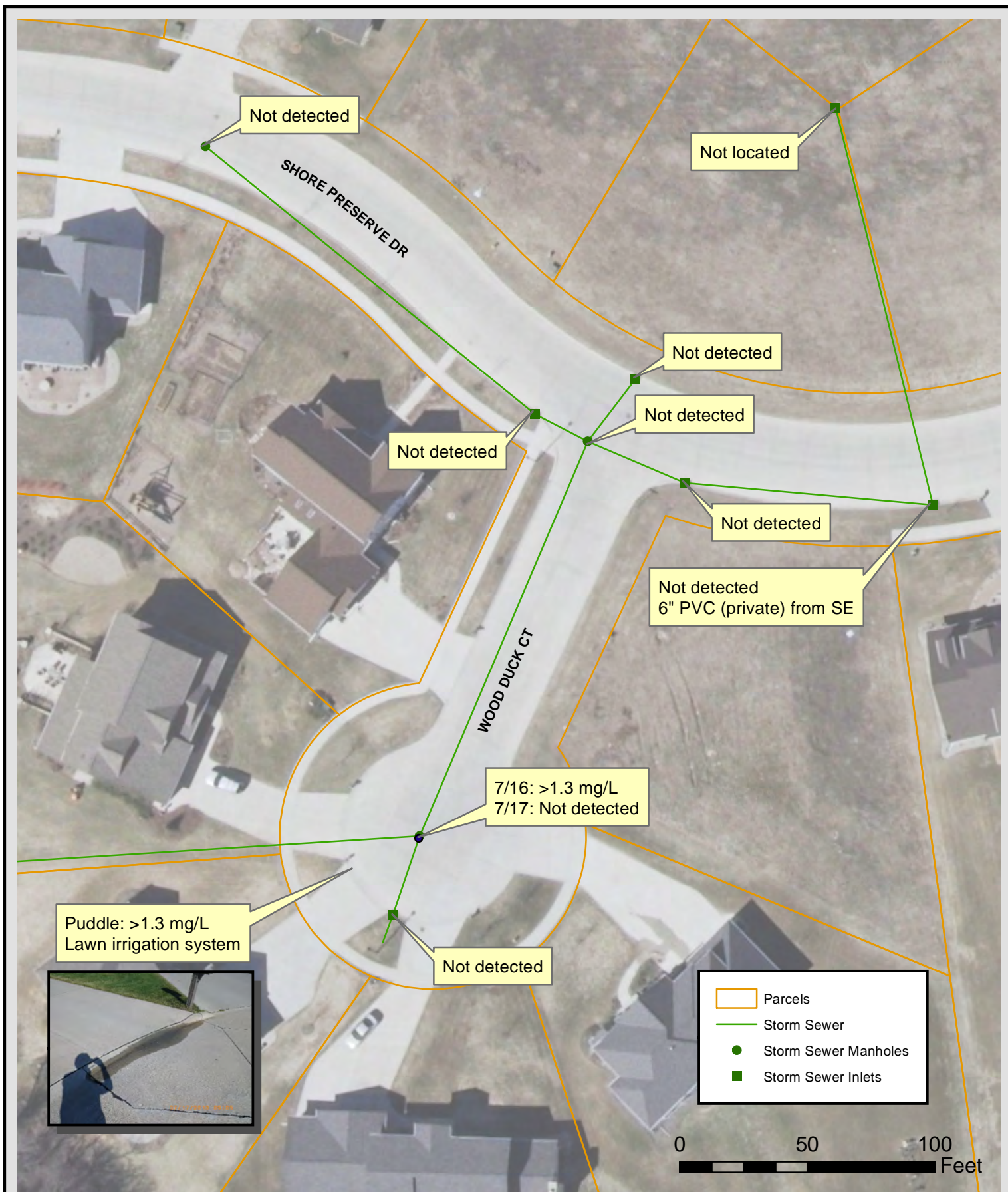
Based on the results, it seems likely that the detergent that was detected in the manhole on 7/16 was from the surface runoff from a washing operation by a property owner, possibly washing a car, boat, garbage can, driveway, etc. It did not appear to be entering the system from a pipe, including the 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](mailto:jason.weis@omnni.com)





**Omni**  
ASSOCIATES

ONE SYSTEMS DRIVE PHONE (920) 735-6900  
APPLETON, WI 54914 FAX (920) 830-6100



**2013 IDDE ONGOING SCREENING PROGRAM  
OUTFALL 12-1692 DETERGENT  
7/17/2013 INVESTIGATION**

CITY OF OSHKOSH  
WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW  
Project Engineer: JCW  
Drawn By: JCW  
Checked By: BDW

Date: 12/5/2013

SCALE:  
1" = 50'

PROJECT NO.  
**N2029B13**

FIGURE NO.  
**12-1692**

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: 2<sup>nd</sup> 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.

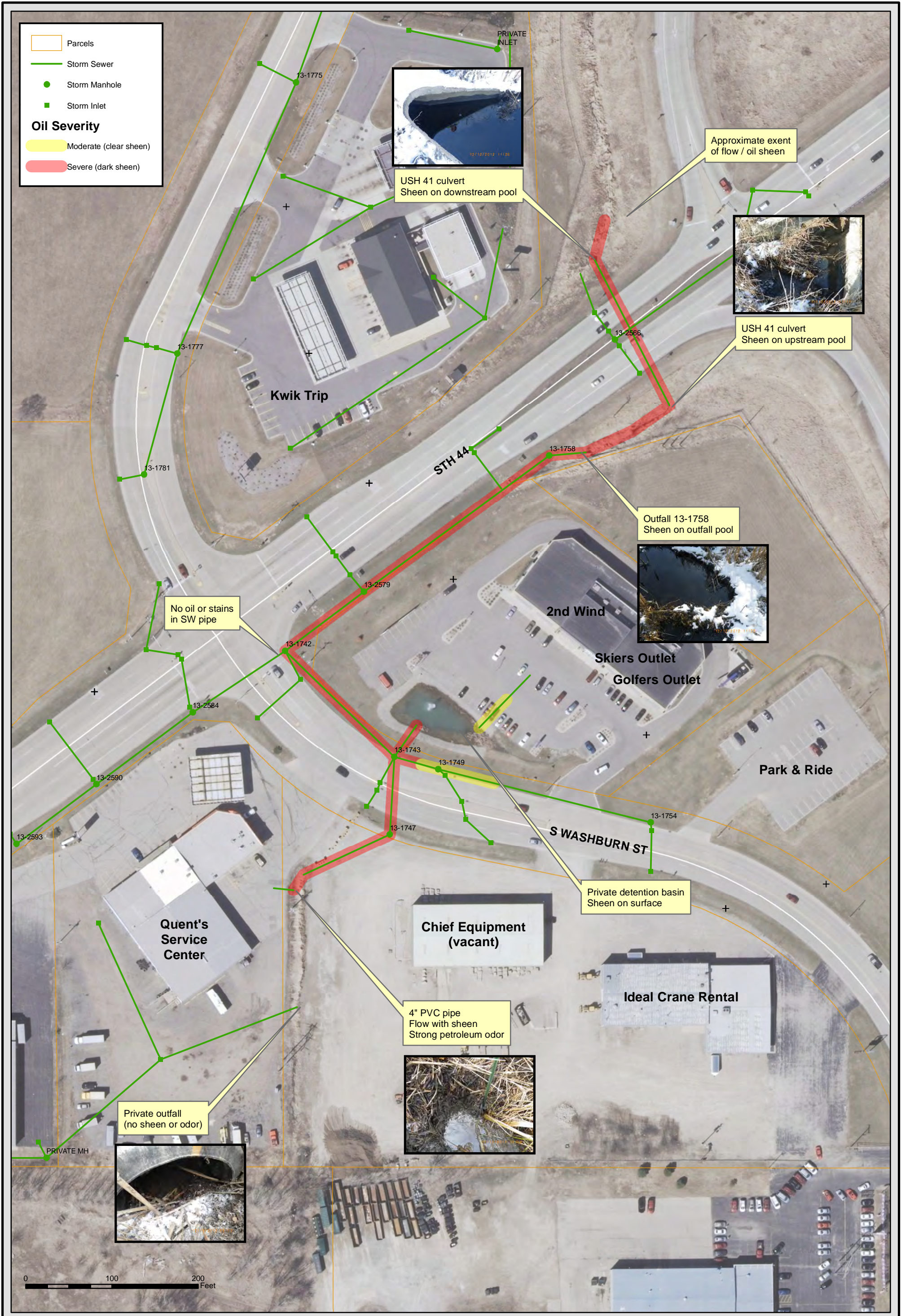


**Figure 17 – 4-inch PVC pipe from Quent’s Service Center (submerged)**

OMNNI left the site at approximately 12:15 pm.

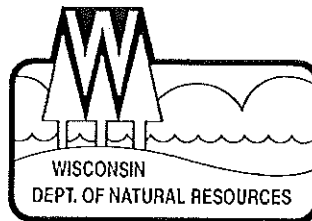
Mr. Rabe investigated the site during the afternoon of December 12, 2012. Due to the severity of the contamination, he contacted the Fire Chief and asked to have the Hazardous Materials Response team deploy oil containment booms in the area. The Fire Chief spoke with the owner of Quent’s Service Center, 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.







2012 IDDE E-18



December 27, 2012

RECEIVED

JAN 02 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

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 written 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. 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](mailto: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:**

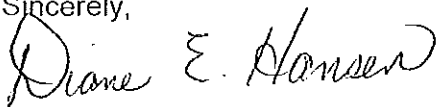
We encourage you to visit our website at <http://dnr.wi.gov/topic/Brownfields/>, where you can find information on selecting a consultant, financial assistance and understanding the cleanup process. You will also find information there about liability clarification letters, post-cleanup liability and 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  
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