

# Initial Screening Summary Report

Illicit Discharge Detection and Elimination Program

City of Oshkosh

May 18, 2010

OMNNI Project No. N2029A09

ENGINEERING • ARCHITECTURE • ENVIRONMENTAL



**Illicit Discharge Detection and Elimination**  
Conducted For  
**City of Oshkosh**

**Initial Screening Summary Report**

**Summer 2009**

**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)

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## **PURPOSE**

Under the Wisconsin Pollutant Discharge Elimination System (WPDES) Permit No WI-S050075-1 (“permit”), the City of Oshkosh is required to conduct an initial field screening at all major outfalls during dry weather periods. OMNNI Associates, Inc. (OMNNI) assisted the City of Oshkosh with this screening process during the summer of 2009. The results of this initial field screening are summarized in this report.

## **OUTFALL IDENTIFICATION**

### **Background**

The City of Oshkosh identified major and minor outfalls within the city as part of the municipal separate storm sewer system (MS4) mapping process required by the permit. Per the MS4 permit definitions, outfalls with a diameter of 36 inches or larger (or equivalent area) draining 50 or more acres were considered major outfalls. In addition, outfalls with a diameter of 12 inches or larger (or equivalent area) draining 2 or more acres of industrial areas were also considered major. The City provided this information to OMNNI prior to the start of the screening process. A map showing the major outfall locations is included in Appendix A.

For the initial screening program, OMNNI screened all of the outfalls identified as major in the City’s MS4 mapping. Minor outfalls should be included in the ongoing field screening to be conducted in future years.

### **Outfall Mapping**

The locations of the major and minor MS4 outfalls were previously identified by the City of Oshkosh as part of the MS4 mapping requirements. Using the outfall data provided by the City, OMNNI located the major outfalls during the initial screening and updated the geographical positions of the outfalls based on the GPS coordinates recorded during the screening process. A map showing the locations of the major outfalls that were included in the initial screening program is included in Appendix A.

Using the City’s standard naming convention, the outfall ID for closed-pipe outfalls was the same as the manhole ID of the first upstream manhole. Swale outfalls were also given a unique ID by the City based on their location.

In cases where upstream manholes were required to be screened, such as when an outfall was partially- or fully-submerged, the screening location was identified by appending “US1” to the outfall ID, designating the first upstream manhole. In certain cases where additional upstream manholes required screening, they were numbered sequentially – US2, US3, etc.

## **GENERAL OBSERVATIONS**

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

## Flow

To meet the requirement of dry weather screening, outfalls were typically screened at least 72 hours after the previous rainfall event. Despite this time period, 2 of the 109 major outfalls had dry weather flow, as described below:

- 14-676 (moderate flow)
- 16-646 (trickle flow)

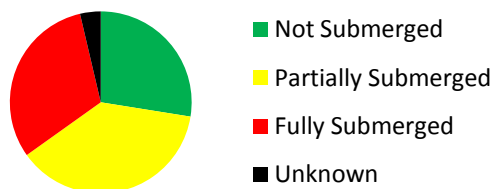
(Note that if the outfall was partially or fully submerged, it is not included in this list. Submerged outfalls, along with the observed flow patterns, are described in the next section.)

If dry weather flow was found during the field screening, a sample was collected and analyzed for the presence of indicator parameters. The analysis that was 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 flow was likely from sump pump discharges, stormwater pond overflows, and infiltration.

## Submerged Outfalls

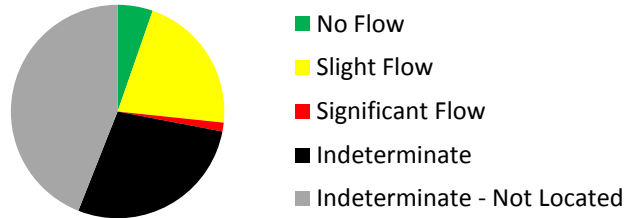
Many of the outfalls in the City are located at or below the normal levels of Lake Winnebago and the Fox River. 41 of the 109 major outfalls were partially submerged, and 34 outfalls were fully submerged. Of the 34 fully-submerged outfalls, 33 could not be physically located, because they extended into the water past the shoreline. In those cases, the outfall location was based on the prior MS4 mapping. In addition, 4 outfalls (09-32, 09-101a, 09-101b and 09-101c) could not be located because they were behind a chain-link fence on the shoreline, but were assumed to be partially or fully submerged based on their locations.



**Figure 1 – Submerged outfall summary**

Because of the invert elevations of many of the storm sewers along the shorelines, many of the upstream manholes are also partially or fully submerged for several blocks inland. While the normal practice for screening submerged outfalls is to trace the network back to the first non-submerged manhole for screening, OMNNI and the City negotiated with the Wisconsin Department on Natural Resources (WDNR) to reduce the amount of upstream screening that would be required. For any partially- or fully-submerged outfalls, the next upstream manhole would be screened. If that manhole was also submerged, a sample would be collected from the pool in the manhole and analyzed for the standard indicator parameters. If no indicator parameters were present in the first upstream manhole, the screening for the outfall would be considered complete.

Of the 75 partially- and fully-submerged outfalls, 4 outfalls exhibited no flow, 16 had a slight flow, and one had a significant flow. For the remaining 54, the flow could not be determined, either because the end of the outfall was not located (33 outfalls), or it was not possible to determine if there might be a slight flow into the receiving water or manhole pool.



**Figure 2 – Flow characteristic of submerged outfalls**

## Chemical Analysis

Flow samples were collected at all outfalls that exhibited dry-weather flow at the time of the inspection. For partially- or fully-submerged outfalls, a sample was collected from the flow or submerged pool at the first upstream manhole. 85 stormwater samples were collected from the following locations:

Location	Sample ID	Location Description
01-278 US1	090909-64	Manhole upstream of submerged outfall 01-278
01-329 US1	090908-26	Manhole upstream of submerged outfall 01-329
01-35 US1	090909-50	Manhole upstream of submerged outfall 01-35
01-360 US1	090908-24	Manhole upstream of submerged outfall 01-360
03-119 US1	090909-63	Manhole upstream of submerged outfall 03-119
03-22 US1	090910-09	Manhole upstream of submerged outfall 03-22
03-293 US1	090909-62	Manhole upstream of submerged outfall 03-293
03-35 US1	090910-68	Manhole upstream of submerged outfall 03-35
03-81 US1	090909-66	Manhole upstream of submerged outfall 03-81
03-81 US2	090909-69	Manhole upstream of submerged outfall 03-81
03-81 US3	090909-70	Manhole upstream of submerged outfall 03-81
03-81 US4	090909-72	Manhole upstream of submerged outfall 03-81
03-81 US5	090910-36	Manhole upstream of submerged outfall 03-81
05-14 US1	090909-59	Manhole upstream of submerged outfall 05-14
05-155 US1	090909-52	Manhole upstream of submerged outfall 05-155
05-216 US1	090909-61	Manhole upstream of submerged outfall 05-216
05-241 US1	090909-60	Manhole upstream of submerged outfall 05-241
05-264 US1	090909-51	Manhole upstream of submerged outfall 05-264
06-1028 US1	090910-72	Manhole upstream of submerged outfall 06-1028
06-1136 US1	090903-20	Manhole upstream of submerged outfall 06-1136
06-15 US1	090910-03	Manhole upstream of submerged outfall 06-15
06-1694 US1	090910-25	Manhole upstream of submerged outfall 06-1694

Location	Sample ID	Location Description
06-216 US1	090910-01	Manhole upstream of submerged outfall 06-216
06-253 US1	090910-26	Manhole upstream of submerged outfall 06-253
06-560 US1	090910-24	Manhole upstream of submerged outfall 06-560
06-729 US1	090910-10	Manhole upstream of submerged outfall 06-729
06-810 US1	090910-65	Manhole upstream of submerged outfall 06-810
08-270 US1	090908-28	Manhole upstream of submerged outfall 08-270
09-101a US1	090910-67	Manhole upstream of submerged outfall 09-101a
09-101b US1	090910-05	Manhole upstream of submerged outfall 09-101b
09-101c US1	090911-71	Manhole upstream of submerged outfall 09-101c
09-84 US1	090910-21	Manhole upstream of submerged outfall 09-84
11-173 US1	090908-22	Manhole upstream of submerged outfall 11-173
11-244 US1	090908-05	Manhole upstream of submerged outfall 11-244
11-376 US1	090908-04	Manhole upstream of submerged outfall 11-376
11-400 US1	090908-10	Manhole upstream of submerged outfall 11-400
11-465 US1	090908-08	Manhole upstream of submerged outfall 11-465
11-479 US1	090908-25	Manhole upstream of submerged outfall 11-479
11-64 US1	090908-11	Manhole upstream of submerged outfall 11-64
12-576 US1	090909-12	Manhole upstream of submerged outfall 12-576
12-925 US1	090902-01	Manhole upstream of submerged outfall 12-925
13-101 US1	090904-08	Manhole upstream of submerged outfall 13-101
13-1098 US1	090903-35	Manhole upstream of submerged outfall 13-1098
13-1174 US1	090903-40	Manhole upstream of submerged outfall 13-1174
13-1219 US1	090904-27	Manhole upstream of submerged outfall 13-1219
13-1242 US1	090904-12	Manhole upstream of submerged outfall 13-1242
13-1283 US1	090903-32	Manhole upstream of submerged outfall 13-1283
13-2332 US1	090903-25	Manhole upstream of submerged outfall 13-2332
13-2613	090903-28	Outfall 13-2613
13-2613 US1	090903-09	Manhole upstream of submerged outfall 13-2613
13-2957 US1	090904-21	Manhole upstream of submerged outfall 13-2957
13-3099 US1	090903-34L	Manhole upstream of submerged outfall 13-3099
13-3162	090903-08L	Outfall 13-3162
13-337 US1	090904-04	Manhole upstream of submerged outfall 13-337
13-471	090904-05	Outfall 13-471
13-875 US1	090903-24	Manhole upstream of submerged outfall 13-875
13-948 US1	090903-37L	Manhole upstream of submerged outfall 13-948
14-188 US1	090909-55	Manhole upstream of submerged outfall 14-188
14-331 US1	090909-53	Manhole upstream of submerged outfall 14-331
14-400 US1	090909-58	Manhole upstream of submerged outfall 14-400
14-595	090904-03	Outfall 14-595
14-676	090904-10	Outfall 14-676



Location	Sample ID	Location Description
14-996 US1	090904-01	Manhole upstream of submerged outfall 14-996
14-999	090904-22	Outfall 14-999
15-1032 US1	090902-04	Manhole upstream of submerged outfall 15-1032
15-1067 US1	090902-27	Manhole upstream of submerged outfall 15-1067
15-1093 US1	090902-03	Manhole upstream of submerged outfall 15-1093
15-1095	090902-03L	Outfall 15-1095
15-1095 US1	090902-08	Manhole upstream of submerged outfall 15-1095
15-1248 US1	090902-07	Manhole upstream of submerged outfall 15-1248
15-1263 US1	090902-11	Manhole upstream of submerged outfall 15-1263
15-1348 US1	090902-05	Manhole upstream of submerged outfall 15-1348
15-1348 US2	090902-10	Manhole upstream of submerged outfall 15-1348
15-1889	090902-10L	Outfall 15-1889
15-2243 US1	090908-21	Manhole upstream of submerged outfall 15-2243
15-744 US1	090902-12	Manhole upstream of submerged outfall 15-744
15-787 US1	090908-09	Manhole upstream of submerged outfall 15-787
15-910 US1	090908-03	Manhole upstream of submerged outfall 15-910
15-940 US1	090902-05L	Manhole upstream of submerged outfall 15-940
15-959 US1	090908-20	Manhole upstream of submerged outfall 15-959
16-487 US1	090911-08	Manhole upstream of submerged outfall 16-487
16-646	090908-01	Outfall 16-646
Canal_a	090911-63	Outfall Canal_a
Canal_b	090911-28	Outfall Canal_b
OSH-9424 US1	090909-57	Manhole upstream of submerged outfall OSH-9424

**Table 1 - Stormwater sample locations**

The following indicator parameters were tested, as specified in the permit:

- pH
- Chlorine
- Copper
- Phenols
- Detergents

In addition, the temperature of the sample was also recorded at the time of collection.

The pH of each sample was measured in the field at the time the sample was collected, and the readings ranged from 6.9 to 9.0. A pH of 9 or greater is slightly higher than expected in normal stormwater samples, but could occur due to contact with the concrete storm sewer pipe conveying the stormwater.

Chlorine (free chlorine and total chlorine) and copper were also tested in the field using test strips. No samples tested positive for chlorine or copper.

The phenol and detergent tests required a more complex titration analysis, and the tests were conducted in the office within 24 hours of collecting the sample. No samples tested positive for phenol or detergent; however, the following 13 samples exhibited abnormal results during the detergent test:

- 01-329 US1
- 01-35 US1
- 01-360 US1
- 03-22 US1
- 03-35 US1
- 05-14 US1
- 05-241 US1
- 06-810 US1
- 09-84 US1
- 11-173 US1
- 11-376 US1
- 12-576 US1
- OSH-9424 US1

These abnormal results are discussed in the Potential Illicit Discharges section below.

## 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 a minor physical or chemical indicator
- Suspect – presence of two or more minor physical or chemical indicators, or presence of one or more significant indicators
- Obvious – visible evidence of current or past illicit discharge

Of the 109 major outfalls, 85 were classified as unlikely, 15 were classified as potential, 8 were classified as suspect, and 1 was classified as obvious. 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.

Outfall	Classification	Reason
01-35	Potential	Abnormal detergent test result from 9/9/2009 sample (upstream manhole)
01-329	Potential	Abnormal detergent test result from 9/8/2009 sample (upstream manhole)
01-360	Potential	Abnormal detergent test result from 9/8/2009 sample (upstream

Outfall	Classification	Reason
		manhole)
03-293	Potential	Abnormal detergent test result from 9/9/2009 sample (upstream manhole)
05-14	Potential	Abnormal detergent test result from 9/9/2009 sample (upstream manhole)
05-241	Potential	Abnormal detergent test result from 9/9/2009 sample (upstream manhole)
06-810	Potential	Abnormal detergent test result from 9/10/2009 sample (upstream manhole)
09-84	Potential	Abnormal detergent test result from 9/10/2009 sample (upstream manhole)
09-101c	Potential	Slight oil sheen in upstream manhole
11-173	Potential	Abnormal detergent test result from 9/8/2009 sample (upstream manhole)
13-3099	Potential	Slight oil sheen in downstream pool
14-595	Potential	Slight oil sheen in upstream manhole
14-676	Potential	Persistent suds in downstream pool
15-1093	Potential	Ammonia-like odor in sample from upstream manhole
15-1095	Potential	Milky sheen on surface of downstream pool
03-22	Suspect	Significant floatables (solid waste) and abnormal detergent test result from 9/10/2009 in upstream manhole
03-35	Suspect	Significant floatables (solid waste) in upstream manhole
06-560	Suspect	Significant floatables (solid waste) in upstream manhole
11-376	Suspect	Significant floatables (solid waste) and abnormal detergent test result from 9/8/2009 in upstream manhole
11-465	Suspect	Significant floatables (solid waste) and brown-tinted water in upstream manhole
12-576	Suspect	Significant floatables (solid waste) and abnormal detergent test result from 9/9/2009 in upstream manhole
15-1348	Suspect	Significant deposits of grass clippings in outfall pipe and upstream inlet
OSH-9424	Suspect	Significant floatables (solid waste), brown-tinted water, and abnormal detergent test result from 9/8/2009 in upstream manhole
03-81	Obvious	Diesel-fuel odor and grease-covered floatables in upstream manhole

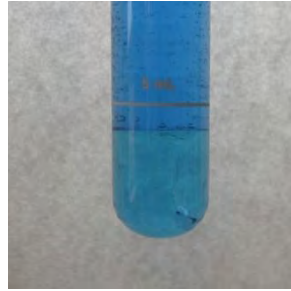
**Table 2 - Outfalls with elevated illicit discharge classifications**

## Outfalls with Abnormal Detergent Test Results

When conducting the analytical test for detergents, 13 of the samples produced an abnormal result during the test. Following the detergent analysis, the bottom portion of the test tube is typically either clear to indicate no detergent, or a shade of blue to indicate the concentration of detergent present in the sample (Figure 3). However, in these 13 samples, the bottom portion was clear with small bubbles (Figure 4). While this does not indicate that detergent was present, it is an abnormal test result.

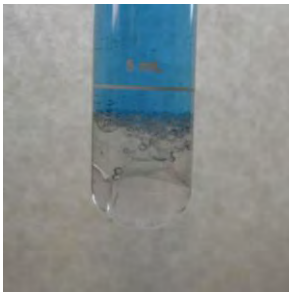


No Detergent Present



Detergent Present

**Figure 3 – Typical Detergent Test Results**



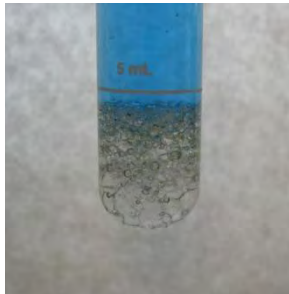
Outfall 01-35 US1



Outfall 01-329 US1



Outfall 01-360 US1



Outfall 03-293 US1



Outfall 05-14 US1



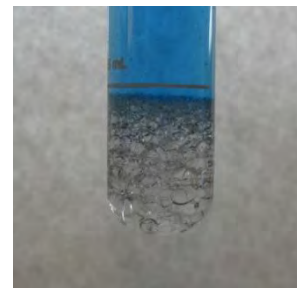
Outfall 05-241 US1



Outfall 06-810 US1



Outfall 09-84 US1



Outfall 11-173 US1



Outfall 03-22 US1



Outfall 11-376 US1



Outfall 12-576 US1





Outfall OSH-9424 US1

**Figure 4 - Abnormal Detergent Test Results**

In an attempt to interpret these abnormal test results, OMNNI contacted the test kit supplier (Hach) as well as local laboratory testing services. No additional information was obtained from either source. OMNNI also contacted George Bowman from the Inorganic Chemistry Department of the State Laboratory of Hygiene. Mr. Bowman has been conducting this Methylene Blue Active Substances (MBAS) test for 37 years. He indicated that the bubbles are physical emulsions that should not be mistaken for chemical interferences or detergents. They commonly occur when testing turbid waters. He confirmed that as long as the bubbles did not include any of the blue color, then no detergent was present.

Based on this information, the 13 samples that exhibited the abnormal test result would not be indicators of a potential illicit discharge, and the outfalls or upstream manholes associated with these samples will not need increased monitoring under the ongoing screening program.

### **Outfalls with Significant Floatables**

Eight upstream manholes contained significant amounts of floatable debris, including plastic bottles, foam packaging, and other solid waste. 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.

Upstream manholes with significant floatable debris are shown below.



**Figure 5 - Floatables in upstream manhole 03-22 US1**



**Figure 6 - Floatables in upstream manhole 03-35 US1**



**Figure 7 - Floatables in upstream manhole 06-560 US1**



**Figure 8 - Floatables in upstream manhole 11-376 US1**



**Figure 9 - Floatables in upstream manhole 11-465 US1**



**Figure 10 - Floatables in upstream manhole 12-576 US1**





**Figure 11 - Floatables in upstream manhole OSH-9424 US1**



**Figure 12 - Floatables in upstream manholes 03-81 US1 and US2 (with diesel fuel and grease)**

While some may not consider solid waste as 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 “suspect.” In outfall 03-38, the presence of diesel fuel and grease, along with the floatable debris, caused the status to be raised to “obvious.”

Outfalls with significant floatable debris should be vacuumed 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.

### **Outfalls with Oil Sheens**

Three outfalls or upstream manholes showed signs of possible oil sheens, either in upstream manholes or downstream pools.



The upstream manhole for outfall 09-101c was located in the center of W. 6<sup>th</sup> Avenue. During the inspection, a slight sheen was observed on the pool in the submerged manhole. Because the sheen was very faint, and because there was no observed flow in the pool, the sheen was most likely a result of street runoff from W. 6<sup>th</sup> Avenue. No immediate action was required at this time, but this manhole should be observed during the first year of the ongoing screening program to verify that this is not an ongoing discharge. If an oil sheen is still present, the manhole and surrounding storm sewer should be cleaned with a vacuum truck to remove any residual contamination, and re-inspected to determine if there is an active source of oil contamination.



**Figure 13 - Oil sheen in upstream manhole 09-101c US1**

Outfall 13-3099 is located on Pheasant Creek Drive, and drains into a stormwater pond located within a residential area. The drainage area is entirely residential. There was a small sheen located in the pool downstream from the outfall. The pond has significant amounts of cattails and other vegetation, so natural sheens could be expected. However, the sheen did not appear to break up when stirred, so it was suspected to be an oil sheen. Because of the land use in the area, along with the relatively small amount of observed sheen, the likely source was runoff from the residential streets. No immediate action was required at this time, but this manhole should be observed during the first year of the ongoing screening program to verify that this is not an ongoing discharge. If an oil sheen is still present, the upstream manhole and surrounding storm sewer should be cleaned with a vacuum truck to remove any residual contamination, and re-inspected to determine if there is an active source of oil contamination.



**Figure 14 - Oil sheen in outfall 13-3099**

The upstream manhole for outfall 14-595 is located at the end of W. 33<sup>rd</sup> Avenue. During the inspection, there was no flow in the catch basin, but the bottom of the catch basin was wet. There was a slight oil sheen on the water in the pool. No obvious discharges were observed at the time of the inspection. However, this catch basin is located in an industrial area, with an Oshkosh Corporation facility to the north and another manufacturing facility to the south. No immediate action was required at this time, but this manhole should be observed during the first year of the ongoing screening program to verify that this is not an ongoing discharge.



**Figure 15 - Oil sheen in upstream manhole 14-595 US1**

### **Outfall 14-676 (Waukau Avenue Culvert)**

Outfall 14-676 consists of a 30-inch corrugated metal pipe (CMP) that discharges into a corrugated metal pipe arch culvert crossing W. Waukau Avenue, just west of Oregon Street. During the inspection, the pool in the box culvert contained a noticeable amount of suds. No suds were observed in the stream upstream of the outfall. While some suds and bubbles can typically occur when the flow from an outfall drops into the receiving channel, these bubbles are typically short-lived, and located only in the area of the outfall. Because these bubbles persisted downstream, an illicit discharge was suspected.

Samples were collected from the flowing outfall, as well as from the surface of the receiving stream, including some of the bubbles. Both samples tested negative for detergents and other illicit discharge indicator parameters.

It is recommended that this outfall be reinspected during the first year of the ongoing screening program to determine if this is an ongoing problem. If suds are observed again at that time, or as a result of a complaint, additional samples should be collected and analyzed. In addition, because this could be an intermittent discharge from washing operations upstream, alternate test methods, such as optical brightener traps at the outfall, may be considered.



**Figure 16 - Suds in receiving stream for outfall 14-676**

### **Outfall 15-1093 (N. Main Street)**

Outfall 15-1093 discharges into a stream on the east side of N. Main Street. Because the outfall was partially-submerged, the upstream manhole in N. Main Street was sampled. This manhole was also submerged, so a sample was collected from the pool in the manhole.

Tests for all indicator parameters were negative on this sample. However, when checking for odor, a faint, burning, ammonia-like odor was detected from the sample. The sample was tested for ammonia, but the test strip indicated no ammonia was present.

The drainage area for this outfall is relatively small. It primarily consists of a print shop to the west and a business equipment distributor to the east. While it is possible that a discharge could be originating from the print shop, the odor did not resemble alcohol or solvent.

It is recommended that this outfall be reinspected during the first year of the ongoing screening program. If this odor is still present at that time, additional analytical tests may be required to identify any chemicals present in the sample, along with potential sources.

### **Outfall 15-1095 (N. Main Street)**

Outfall 15-1095 discharges into a stream on the east side of N. Main Street. There was a slight flow coming from the outfall, and the flow had a faint, wispy, milky sheen on the surface. The

sheen did not break up when stirred, which would make a natural sheen appear unlikely. The sheen did not exhibit the typical rainbow colors of an oil sheen.

Because the outfall was partially-submerged, the upstream manhole in N. Main Street was sampled. This manhole was also submerged, so a sample was collected from the pool in the manhole. No sheen was observed in the upstream manhole. An additional sample was collected from the surface of the outfall pool, including some of the sheen material.

Neither sample tested positive for any of the typical indicator parameters. In addition, no colors or odors were detected in either sample. There are no identified storm sewer connections between the upstream manhole and the outfall.

It is recommended that this outfall be reinspected during the first year of the ongoing screening program. If this sheen is still present at that time, additional analytical tests may be required to identify any chemicals present in the sheen, along with potential sources.



**Figure 17 – Milky sheen in flow for outfall 15-1095**

### **Outfall 15-1348 (North Park Estates)**

Outfall 15-1348 is located on the west border of Winnebago County Park. It receives flow from the residential area immediately west of the park. While conducting the screening at the outfall, a significant amount of grass clippings were submerged in the outfall pipe. The mat of grass clipping appeared to be approximately six inches thick. While some vegetation debris and grass clippings are typical in outfalls, especially those in residential areas, the amount in the outfall appeared excessive.





**Figure 18 – Grass clippings in outfall 15-1348**

The first upstream manhole could not be located, as it appeared to be buried in a landscaped area. Because the storm sewer divided into two branches at this manhole, the next upstream manholes in each branch were screened. The upstream manhole for the south branch was a catchbasin located at the end of Chateau Terrace. This catchbasin had no flow, and showed no indicators of illicit discharge and almost no grass clippings. The upstream manhole for the north branch was a catchbasin located at the end of Prairie Court. This catchbasin also had no flow, but had more significant amounts of grass clippings in the catchbasin, as well as in the immediate area around the catchbasin.



**Figure 19 – Grass clippings in and around upstream manhole 15-1348 US2**

If grass clippings continue to be a problem in this outfall, it may be necessary to target this neighborhood for an education campaign concerning the proper disposal of grass clippings and yard waste. It may also be necessary to conduct some maintenance at the outfall to remove the mat of grass clippings if they are not removed naturally.

### **Outfall 03-81 (Pioneer Drive)**

Outfall 03-81 discharges near the railroad trestle at the north end of Pioneer Drive. The outfall was fully-submerged, and the MS4 mapping suggests that the end of the pipe may be 90 feet past the shoreline. As a result, the outfall was screened at the upstream manhole.

The first upstream manhole was located on the south side of Pioneer Drive, behind the railroad control shed. When the manhole was opened, a strong smell of diesel fuel was detected inside the manhole. The manhole was also submerged, and had a significant amount of floatable debris, which appeared to be coated with oil and grease.



**Figure 20 – Upstream manhole 03-81 US1**



**Figure 21 – Floatable debris and grease in upstream manhole 03-81 US1**

A sample was collected from upstream manhole 03-81 US1. The sample had a grayish-black color, and had a strong odor of diesel fuel. The sampling equipment and container were coated in grease from penetrating the floatable debris. None of the typical sampling parameters tested positive. Because of the obvious odor of diesel fuel and appearance of grease, no additional VOC or oil/grease tests were run. The railroad track ballast in the area showed no signs of stains or other leaks, so a railroad spill seemed unlikely.



**Figure 22 – Sample container from upstream manhole 03-81 US1**

After receiving authorization from the City to use the contingency funds set aside for the project, additional upstream manholes were screened in an attempt to determine the extent of the contamination and the possible source. The first upstream manhole could not be located, as it was buried under the ballast in the railroad right-of-way. The second upstream manhole was located, also in the railroad right-of-way. This manhole (03-81 US2) also had oil-covered floatables, but the diesel odor was not as significant as in 03-81 US1.



**Figure 23 – Floatable debris in upstream manhole 03-81 US2**

Additional upstream manholes were sampled along E. 10<sup>th</sup> Avenue. The manholes on 10<sup>th</sup> Avenue did not have the floatable debris or the diesel odor. However, they did have a reddish-brown tint to the submerged pool, and showed a slight oil sheen. The property on the south side of 10<sup>th</sup> Avenue is a steel fabrication facility, and the property on the north side is a metal salvage facility. Both could be potential sources of oil and grease.





**Figure 24 – Oil sheen in upstream manhole 03-81 US4**

The drainage area for this storm sewer branch includes the properties along E. 10<sup>th</sup> Avenue, as well as properties on W. 10<sup>th</sup> Avenue, west of Main Street. The upstream manholes west of Main Street were also screened, and were found to be dry, with significant amounts of dry sediment inside the manholes. It appeared that the most likely sources of the illicit discharge would be east of Main Street.

Typically, when an illicit discharge is occurring, the highest concentrations of the contaminant are detected closest to the source. As the discharge moves downstream, it becomes more dilute. However, in this case, the strongest concentrations of diesel fuel and grease appeared to be at the downstream manhole. It appears that, in this case, the contaminants (diesel fuel and grease, as well as floatable debris) likely accumulated at the downstream manhole because the submerged manholes trapped the floatable contaminants. As the river levels fluctuated throughout the year, it is possible that some of the upstream manholes became partially-submerged or non-submerged, allowing any trapped stormwater (and related contaminants) to escape downstream to the next manhole. Because the river level never drops below the top of the pipe in the downstream manhole (03-81 US1), floatable contaminants likely never escape.

The City and OMNNI believe that the illicit discharge evidence for this outfall was not caused by one significant event. Rather, it was likely caused by a gradual buildup of diesel fuel and oil/grease over many years, which became trapped in the downstream manholes. Upon discovering the problem, the City vacuumed the upstream manholes. A follow-up inspection of manhole 03-81 US1 revealed that the manhole was still full-submerged, but the sample collected from the pool did not have a detectable odor.

This outfall and the associated upstream manholes should be reinspected during the first year of the ongoing screening program, and then annually for several years after that. If it appears that diesel fuel or oil/grease is accumulating in the downstream manholes, then there may be an ongoing illicit discharge upstream, and the source will need to be determined through closer monitoring.

## OUTFALL CONDITION ASSESSMENTS

While not required for the illicit discharge field screening, the City of Oshkosh requested that OMNNI note the presence of any graffiti, damage or significant erosion at the outfalls. This information can be passed along to the appropriate departments for any necessary action.

### Graffiti

Graffiti was identified at three of the major outfalls. Two of the outfalls (14-659 and 14-660) were located on the east side of the Oregon Street bridge, south of 25<sup>th</sup> Avenue.



Figure 25 - Outfall 14-659 and 14-660 graffiti

The other graffiti was observed under the N. Washburn Street bridge, south of Linway Court, at outfall 16-646.

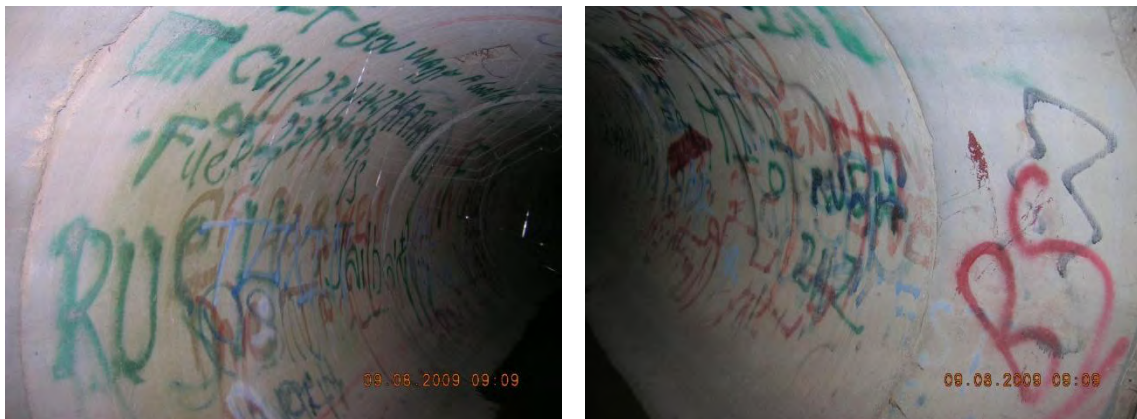


Figure 26 - Outfall 16-646 graffiti

### Damage

Eight outfalls showed signs of damage that may require attention in the near future. Several concrete pipes had dislocated end pipe sections (11-244 and 14-999) or aprons (13-1554, 14-659 and 14-660). Several corrugated metal pipes had ends that were crushed, with holes or tears at the end of the pipe (15-1067, 15-1217 and 15-1219). The damage is shown in the photos below.



**Figure 27 - Outfall 11-244 displaced pipe section**



**Figure 28 - Outfall 13-1554 displaced apron**



**Figure 29 - Outfall 14-659 displaced apron**





**Figure 30 - Outfall 14-660 displaced apron**



**Figure 31 - Outfall 14-999 displaced pipe section**



**Figure 32 - Outfall 15-1067 crushed CMP with holes**





**Figure 33 - Outfall 15-1217 crushed CMP**



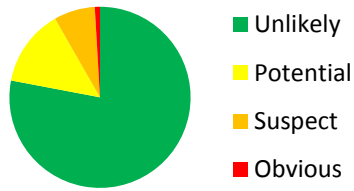
**Figure 34 - Outfall 15-1219 crushed CMP**

## **Erosion**

None of the outfalls showed excessive erosion at the end of the outfall pipe. For non-submerged outfalls, there appeared to be sufficient rip-rap or other erosion control measures in place to minimize erosion from the pipe flows. For the fully-submerged outfalls that could not be located, it was not possible to inspect for erosion at the end of the pipe.

## **CONCLUSION**

OMNNI assisted the City of Oshkosh with the initial screening of the major MS4 outfalls, as required by the permit. A total of 109 major outfalls were screened, along with upstream manholes when necessary. Of those 109 major outfalls, 85 exhibited unlikely potential of past illicit discharges, 15 were classified as “potential,” 8 was classified as “suspect,” and 1 was classified as “obvious.” These results are summarized in Figure 35:



**Figure 35 - IDDE potential summary**

Those major outfalls classified as “potential,” “suspect” or “obvious” should be given special attention in the ongoing screening program.

In addition, the initial screening identified three outfalls with graffiti, eight with structural damage, and none with severe erosion. 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.

## 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 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 Map





 ONE SYSTEMS DRIVE APPLETON, WI 54914 PHONE (920) 735-6900 FAX (920) 830-6100		<b>CITY OF OSHKOSH IDDE INITIAL SCREENING MS4 MAJOR OUTFALL MAP</b>		Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW		SCALE: 1" = 2,726'
		CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN		Date: 11/30/2009		PROJECT NO. <b>N2029A09</b>
						FIGURE NO. <b>A-1</b>



## **Appendix B**

### Major Outfall Inspection Reports

# City of Oshkosh

## Outfall ID: 01-35

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 36  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 737,891.48  
Easting: 2,351,955.53



DSCN6708.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 01-35 US1.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential

Submerged in Water: Partially  
inches: 21

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6709.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 01-35 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6711.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 737,963.20

Easting: 2,351,956.93

### Outfall Notes:

Upstream manhole located approx 72 ft N of outfall 01-35. Intermediate area consists of paved parking area with no observed inlets.

## Location Map



Inspection Date: 9/9/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential

Submerged in Water: Partially

Notes: Abnormal detergent analysis result (bubbles)

inches: 14

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown
- ☐ Orange
- ☐ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☐ Oil Sheen
- ☐ Suds
- ☐ Floatables
- ☐ Excessive Algae
- ☐ Other:



DSCN6712.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |             |                      |                                 |                                  |                                      |                                    |                                 |
|-------------|----------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|---------------------------------|
| Odor:       | <input type="text"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other: |
| Floatables: | <input type="text"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |                                 |
| Color:      | <input type="text"/> | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red    |
| Turbidity:  | <input type="text"/> |                                 |                                  |                                      | <input type="checkbox"/> Blue      | <input type="checkbox"/> Yellow |
|             |                      |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other: |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090909-50	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1120	Total Copper (field):	0 ppm		
		pH (field):	8.61 units	Temperature:	78 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 01-278

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 739,095.64  
Easting: 2,349,880.16



DSCN6704.JPG

Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 01-278 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 01-278 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6705.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 739,109.06

Easting: 2,349,891.64

### Outfall Notes:

Upstream manhole located approx 18 ft NE of outfall 01-278. Intermediate area consists of open space.

## Location Map



Inspection Date: 9/9/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 48

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input checked="" type="checkbox"/> Green <input type="checkbox"/> Other:                            |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6706.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090909-64	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1049	Total Copper (field): 0 ppm	
	pH (field): 7.81 units	Temperature: 76 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 01-329

NR 216 Classification:

Major Outfall

Structure: Closed Pipe  
Diameter (in): 48  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single



DSCN6665.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 739,705.33

Easting: 2,349,534.14

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 01-329 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 01-329 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6666.JPG

## Location Map



- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 739,756.91

Easting: 2,349,546.73

### Outfall Notes:

Upstream manhole located approx 53 ft NNE of outfall 01-329. Intermediate area consists of open space.

Inspection Date: 9/8/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Potential

Submerged in Water: Fully

inches: 48

Notes: Abnormal detergent analysis result (bubbles)

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown
- ☐ Orange
- ☐ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☐ Oil Sheen
- ☐ Suds
- ☐ Floatables
- ☐ Excessive Algae
- ☐ Other:



DSCN6667.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |             |                      |                                 |                                  |                                      |                                    |                                 |
|-------------|----------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|---------------------------------|
| Odor:       | <input type="text"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other: |
| Floatables: | <input type="text"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |                                 |
| Color:      | <input type="text"/> | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red    |
| Turbidity:  | <input type="text"/> |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other: |
|             |                      |                                 |                                  |                                      |                                    | <input type="checkbox"/> Blue   |
|             |                      |                                 |                                  |                                      |                                    | <input type="checkbox"/> Yellow |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090908-26	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1535	Total Copper (field):	0 ppm		
		pH (field):	8.7 units	Temperature:	76 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 01-360

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 42  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 738,648.61  
Easting: 2,350,365.90



DSCN6661.JPG

Outfall Notes:

Outfall fully submerged. Outfall screened upstream at 01-360 US1. Intermediate manholes inside fenced area on private property.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential

Submerged in Water: Fully  
inches: 44

Notes:

Submerged in Sediment:  
inches:

Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

Sampling Results

Sample Location: None



DSCN6660.JPG

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 01-360 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6662.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 738,849.90

Easting: 2,350,495.19

### Outfall Notes:

Upstream manhole located approx 242 ft NE of outfall 01-360. Intermediate area consists of industrial area inside fence.

## Location Map



Inspection Date: 9/8/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Potential

Notes: Abnormal detergent analysis result (bubbles). Faint brown color.

Submerged in Water: Partially  
inches: 32

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint     | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint             | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange            | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive         |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input checked="" type="checkbox"/> Colors | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:            |  |



DSCN6663.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090908-24	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1520	Total Copper (field): 0 ppm	
	pH (field): 8.34 units	Temperature: 77 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 03-22

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	36
Width (in):	58
Material:	CMP
Shape:	Elliptical
Barrels:	Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 737,292.08  
Easting: 2,352,475.98



DSCN6765.JPG

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 03-22 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/10/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Suspect		<b>Submerged in Water:</b> Fully inches:	
<b>Notes:</b>		<b>Submerged in Sediment:</b> inches:	
<u>Physical Indicators (Outfall and Surrounding Area)</u>			
<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	
<u>Physical Indicators (In Flow, if outfall is flowing)</u>			
<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour <input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:	
<u>Sampling Results</u>			
Sample Location: None			

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 03-22 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6767.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 737,234.97

Easting: 2,352,477.85

### Outfall Notes:

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

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Suspect

Submerged in Water: Fully

inches: 44

Notes: Abnormal detergent analysis result (bubbles). Significant floatables in manhole.

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown
- ☐ Orange
- ☐ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☐ Oil Sheen
- ☐ Suds
- ☒ Floatables
- ☐ Excessive Algae
- ☐ Other:



DSCN6768.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

- ☐ Sewage
- ☐ Sulfide
- ☐ Rancid/Sour
- ☐ Petroleum
- ☐ Other:

Floatables:

- ☐ Sewage
- ☐ Suds
- ☐ Petroleum
- ☐ Other:

Color:

- ☐ Clear
- ☐ Brown
- ☐ Green
- ☐ Orange
- ☐ Red
- ☐ Blue
- ☐ Yellow

Turbidity:

- ☐ Gray
- ☐ Other:

### Sampling Results

Sample Location: Pool  
Sample ID: 090910-09  
Time Collected: 0952

Total Chlorine (field): 0 ppm  
Free Chlorine (field): 0 ppm  
Total Copper (field): 0 ppm  
pH (field): 8.3 units  
Phenol: 0 mg/L  
Detergents: 0 mg/L  
Temperature: 75 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 03-35

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 30  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6761.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 736,966.43  
Easting: 2,353,172.83

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 03-35 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/10/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Suspect

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 03-35 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6762.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 736,961.61

Easting: 2,353,153.84

### Outfall Notes:

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

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Suspect**

Submerged in Water: Fully

inches: 33

Notes: Abnormal detergent analysis result (bubbles). Significant floatables in manhole.

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown ☐ Orange ☐ Green ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited ☐ Excessive

#### Poor Pool Quality

- ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☒ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6763.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:
- Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:
- Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow
- Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090910-68	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	0925	Total Copper (field):	0 ppm		
		pH (field):	8.23 units	Temperature:	73 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 03-81

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: CIP  
Shape: Circular  
Barrels: Single



DSCN6745.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 736,282.38  
Easting: 2,354,142.55

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 03-81 US1-5. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Obvious

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 03-81 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6746.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 736,169.81

Easting: 2,354,119.38

### Outfall Notes:

Upstream manhole located approx 115 ft SSW of outfall 03-81. Located behind railroad control shed. Intermediate area consists of roadway, shoulder and railroad right-of-way.

## Location Map



Inspection Date: 9/9/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Obvious

Notes: Diesel/oil odor, sheen on surface. Floatables with grease. Brown/gray color.

Submerged in Water: Fully  
inches: 44

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |   |  |  |
|----------------------------|---|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion        | <input type="checkbox"/> Peeling Paint     | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily             | <input type="checkbox"/> Paint             | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown            | <input type="checkbox"/> Orange            | <input type="checkbox"/> Green <input type="checkbox"/> Other:   |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited        | <input type="checkbox"/> Excessive         |  |
| <b>Poor Pool Quality</b>   | <input checked="" type="checkbox"/> Odors | <input checked="" type="checkbox"/> Colors | <input checked="" type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input checked="" type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae  | <input type="checkbox"/> Other:            |  |



DSCN6747.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |                                 |                               |                                 |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|---------------------------------|-------------------------------|---------------------------------|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other: |                               |                                 |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |                                 |                               |                                 |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red    | <input type="checkbox"/> Blue | <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |                                 |                               |                                 |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090909-66	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1415	Total Copper (field): 0 ppm	
	pH (field): 6.98 units	Temperature: 73 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 03-81 US2

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6750.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 735,855.73

Easting: 2,354,022.11

### Outfall Notes:

Upstream manhole located approx 329 ft SSW of 03-81 US1. Intermediate manhole not found. Intermediate area consists of railroad right-of-way covered with ballast.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Obvious

Notes: Floatables with oil stains. Slight petroleum odor.

Submerged in Water: Fully  
inches:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |   |  |  |
|----------------------------|---|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion        | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily             | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown            | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:   |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited        | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input checked="" type="checkbox"/> Odors | <input type="checkbox"/> Colors        | <input checked="" type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input checked="" type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae  | <input type="checkbox"/> Other:        |  |



DSCN6751.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090909-69	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1452	Total Copper (field):	0 ppm	Temperature:	°F
		pH (field):	units		

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 03-81 US3

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6753.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 735,766.39

Easting: 2,353,910.56

### Outfall Notes:

Upstream manhole located approx 114 ft SW of 03-81 US2. Intermediate area consists of right-of-way for unpaved street.

## Location Map



Inspection Date: 9/9/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Suspect

Submerged in Water: Fully  
inches:

Notes: Rust colored floatables and sheen on surface. Slight odor.

Submerged in Sediment: Partially  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |   |  |  |
|----------------------------|---|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion        | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily             | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown            | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:   |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited        | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input checked="" type="checkbox"/> Odors | <input type="checkbox"/> Colors        | <input checked="" type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input checked="" type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae  | <input type="checkbox"/> Other:        |  |



DSCN6754.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090909-70	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1453	Total Copper (field): 0 ppm	
	pH (field): units	Temperature: °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 03-81 US4

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6756.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

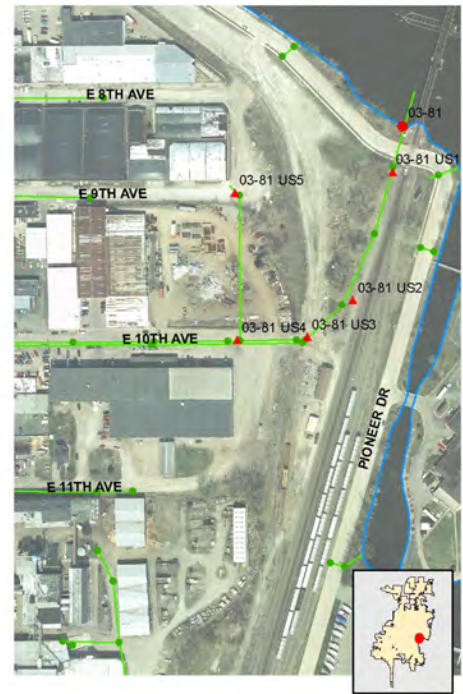
Northing: 735,758.91

Easting: 2,353,739.73

### Outfall Notes:

Upstream manhole located approx 171 ft W of 03-81 US3. Intermediate area consists of right-of-way for street with industrial sources on north and south side.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Suspect

Notes: Rust colored floatables and sheen on surface. Noticable non-petroleum odor. Rust color to water.

Submerged in Water: Fully inches:

Submerged in Sediment: Partially inches:

### Physical Indicators (Outfall and Surrounding Area)

- |                            |   |  |  |
|----------------------------|---|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion        | <input type="checkbox"/> Peeling Paint     | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily             | <input type="checkbox"/> Paint             | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown            | <input type="checkbox"/> Orange            | <input type="checkbox"/> Green <input type="checkbox"/> Other:   |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited        | <input type="checkbox"/> Excessive         |  |
| <b>Poor Pool Quality</b>   | <input checked="" type="checkbox"/> Odors | <input checked="" type="checkbox"/> Colors | <input checked="" type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input checked="" type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae  | <input type="checkbox"/> Other:            |  |



DSCN6757.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090909-72	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1525	Total Copper (field): 0 ppm	
	pH (field): units	Temperature: °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 03-81 US5

NR 216 Classification:

Major Outfall - Alternate Location

Structure:



DSCN6759.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 736,118.99

Easting: 2,353,733.97

### Outfall Notes:

Upstream manhole located approx 360 ft N of 03-81 US4. Intermediate area consists of industrial (salvage) facility.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Suspect**

Submerged in Water: Fully  
inches:

Notes: Slight sheen with rust-colored water in manhole.

Submerged in Sediment: Partially  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |   |
|----------------------------|--|--|---|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint     | <input type="checkbox"/> Spalling/Cracking/Chipping   |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint             | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:  |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange            | <input type="checkbox"/> Green <input type="checkbox"/> Other:  |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive         |   |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input checked="" type="checkbox"/> Colors | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input checked="" type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:            |   |



DSCN6760.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090910-36	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	0813	Total Copper (field):	0 ppm	Temperature:	°F
		pH (field):	units		

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 03-119

NR 216 Classification:

Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in): 13  
Width (in): 22  
Material: RCP  
Shape: Elliptical  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 734,747.84

Easting: 2,354,027.52



DSCN6741.JPG

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 03-119 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 03-119 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6742.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 734,663.19

Easting: 2,353,820.17

### Outfall Notes:

Upstream manhole located approx 245 ft WSW of outfall 03-119. Intermediate area consists of paved parking area with no observed inlets.

## Location Map



Inspection Date: 9/9/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 27

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6743.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |                                 |                               |                                 |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|---------------------------------|-------------------------------|---------------------------------|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other: |                               |                                 |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |                                 |                               |                                 |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red    | <input type="checkbox"/> Blue | <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |                                 |                               |                                 |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090909-63	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1400	Total Copper (field): 0 ppm	
	pH (field): 7.87 units	Temperature: 76 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 03-293

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in): 40  
Width (in): 58  
Material: CMP  
Shape: Elliptical  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 734,271.94  
Easting: 2,353,737.13



DSCN6735.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 03-293 US1.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Potential**

Submerged in Water: Partially  
inches: 32

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☒ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☒ Excessive Algae ☐ Other:



DSCN6736.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 03-293 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6738.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 734,306.98

Easting: 2,353,699.51

### Outfall Notes:

Upstream manhole located approx 51 ft NW of outfall 03-293. Intermediate area consists of vegetated roadside shoulder.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Potential

Notes: Abnormal detergent analysis result (bubbles)

Submerged in Water: Partially  
inches:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |   |  |  |
|----------------------------|---|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion                  | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily                       | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown                      | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited                  | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors                      | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input checked="" type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6739.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090909-62	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1325	Total Copper (field): 0 ppm	
	pH (field): 7.82 units	Temperature: 78 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 05-14

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	30
Height (in):	
Width (in):	
Material:	CMP
Shape:	Circular
Barrels:	Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 741,572.72  
Easting: 2,348,253.27



DSCN6696.JPG

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 05-14 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/9/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** Potential

Submerged in Water: Fully inches:  
Submerged in Sediment: inches:

Notes:

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:	
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:			

Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 05-14 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6700.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 741,746.92

Easting: 2,348,561.92

### Outfall Notes:

Upstream manhole located approx 354 ft NE of outfall 05-14. Intermediate area consists of industrial parking area to north and commercial property to south.

## Location Map



Inspection Date: 9/9/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential

Submerged in Water: Fully

inches: 27

Notes: Abnormal detergent analysis result (bubbles)

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown
- ☐ Orange
- ☐ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☐ Oil Sheen
- ☐ Suds
- ☐ Floatables
- ☐ Excessive Algae
- ☐ Other:



DSCN6701.JPG

### Physical Indicators (In Flow, if outfall is flowing)

#### Odor:

- ☐ Sewage
- ☐ Sulfide
- ☐ Rancid/Sour
- ☐ Petroleum
- ☐ Other:

#### Floatables:

- ☐ Sewage
- ☐ Suds
- ☐ Petroleum
- ☐ Other:

#### Color:

- ☐ Clear
- ☐ Brown
- ☐ Green
- ☐ Orange
- ☐ Red
- ☐ Blue
- ☐ Yellow

#### Turbidity:

- ☐ Gray
- ☐ Other:

### Sampling Results

Sample Location: Pool  
Sample ID: 090909-59  
Time Collected: 1013

Total Chlorine (field): 0 ppm  
Free Chlorine (field): 0 ppm  
Total Copper (field): 0 ppm  
pH (field): 8.21 units  
Phenol: 0 mg/L  
Detergents: 0 mg/L  
Temperature: 75 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 05-155

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: VCP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 741,966.13  
Easting: 2,347,972.68



DSCN6690.JPG

### Outfall Notes:

Outfall fully submerged. Outfall screened upstream at 05-155 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 27

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None



DSCN6691.JPG

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 05-155 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6693.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 742,022.56

Easting: 2,348,019.06

### Outfall Notes:

Upstream manhole located approx 72 ft NNE of outfall 05-155. Intermediate area consists of open space.

## Location Map



Inspection Date: 9/9/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 22

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6694.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090909-52	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1000	Total Copper (field):	0 ppm		
		pH (field):	7.5 units	Temperature:	76 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 05-216

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	30
Height (in):	
Width (in):	
Material:	CMP
Shape:	Circular
Barrels:	Single



DSCN6685.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 742,806.98  
Easting: 2,347,572.85

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 05-216 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/9/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** Unlikely

Notes:

Submerged in Water: Fully inches:  
Submerged in Sediment: inches:

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:	
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:			

Sampling Results

Sample Location: None



Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 05-216 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6686.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 742,849.70

Easting: 2,347,645.95

### Outfall Notes:

Upstream manhole located approx 85 ft NE of outfall 05-216. Intermediate area consists of unpaved parking area near industrial facilities.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 67

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |   |
|----------------------------|--|--|---|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping   |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:  |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:  |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |   |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input checked="" type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |   |



DSCN6687.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090909-61	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	0930	Total Copper (field):	0 ppm		
		pH (field):	7.64 units	Temperature:	71 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 05-241

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	18
Height (in):	
Width (in):	
Material:	CMP
Shape:	Circular
Barrels:	Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 741,565.48  
Easting: 2,348,256.07



DSCN6696.JPG

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 05-241 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/9/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** Potential      Submerged in Water: Fully inches:

Notes:      Submerged in Sediment: inches:

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b> <input type="text"/>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:
<b>Floatables:</b> <input type="text"/>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:	
<b>Color:</b> <input type="text"/>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b> <input type="text"/>				<input type="checkbox"/> Gray	<input type="checkbox"/> Other:

Sampling Results

Sample Location: None



\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 05-241 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6697.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 741,751.40

Easting: 2,348,569.77

### Outfall Notes:

Upstream manhole located approx 365 ft NE of outfall 05-241. Intermediate area consists of industrial parking area to north and commercial property to south.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Potential

Notes: Abnormal detergent analysis result (bubbles)

Submerged in Water: Partially

inches: 13

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6698.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090909-60	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1011	Total Copper (field):	0 ppm		
		pH (field):	8.1 units	Temperature:	76 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 05-264

NR 216 Classification:

Major Outfall

Structure: Closed Pipe  
Diameter (in): 36  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single



DSCN6680.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 743,906.93

Easting: 2,346,956.65

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 05-264 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 05-264 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6681.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 743,910.36

Easting: 2,347,045.86

### Outfall Notes:

Upstream manhole (inlet) located approx 89 ft E of outfall 05-264. Intermediate area consists of street right-of-way, with a marina to the south.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 25

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6682.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090909-51	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	0905	Total Copper (field):	0 ppm		
		pH (field):	8.21 units	Temperature:	71 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-15

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	30
Height (in):	
Width (in):	
Material:	CMP
Shape:	Circular
Barrels:	Single



DSCN6804.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

### GPS Coordinates:

Northing: 739,395.99  
Easting: 2,346,644.49

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 06-15 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/10/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Submerged in Water:</b> Fully inches:	
<b>Notes:</b>		<b>Submerged in Sediment:</b> inches:	
<u>Physical Indicators (Outfall and Surrounding Area)</u>			
<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	
<u>Physical Indicators (In Flow, if outfall is flowing)</u>			
<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour <input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:	
<u>Sampling Results</u>			
Sample Location: None			



Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 06-15 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6808.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 739,207.13

Easting: 2,346,653.80

### Outfall Notes:

Upstream manhole located approx 189 ft S of outfall 06-15. Intermediate area consists of paved road adjacent to wastewater treatment plant and industrial facilities.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 19

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6809.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090910-03	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1448	Total Copper (field): 0 ppm	
	pH (field): 7.53 units	Temperature: 81 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-216

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 39  
Height (in):  
Width (in):  
Material: CIP  
Shape: Circular  
Barrels: Single



DSCN6784.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 739,876.11  
Easting: 2,348,629.23

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 06-216 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/10/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-216 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6787.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 739,841.67

Easting: 2,348,566.29

### Outfall Notes:

Upstream manhole located approx 72 ft WSW of outfall 06-216. Intermediate area consists of open area east of multifamily residential property.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 100

Notes: River fly swarm inside manhole.

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6788.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090910-01	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1240	Total Copper (field):	0 ppm		
		pH (field):	6.96 units	Temperature:	79 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 06-253

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	34
Width (in):	53
Material:	RCP
Shape:	Elliptical
Barrels:	Single



DSCN6785.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

### GPS Coordinates:

Northing: 739,861.30  
Easting: 2,348,629.89

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 06-253 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/10/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Submerged in Water:</b> Fully inches:	
<b>Notes:</b>		<b>Submerged in Sediment:</b> inches:	
<u>Physical Indicators (Outfall and Surrounding Area)</u>			
<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	
<u>Physical Indicators (In Flow, if outfall is flowing)</u>			
<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour <input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:	
<u>Sampling Results</u>			
Sample Location: None			



\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-253 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6790.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 739,717.00

Easting: 2,348,406.06

### Outfall Notes:

Upstream manhole located approx 266 ft WSW of outfall 06-253. Intermediate area consists of multifamily residential buildings and parking.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, slight flow

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully

inches: 38

Notes: River fly swarm inside manhole.

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6791.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                   |                                 |                                  |                                      |                                    |   |
|--------------------|-----------------------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|---|
| <b>Odor:</b>       | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:                               |
| <b>Floatables:</b> | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |   |
| <b>Color:</b>      | <input type="text" value="None"/> | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red                                  |
| <b>Turbidity:</b>  | <input type="text" value="None"/> |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:                               |
|                    |                                   |                                 |                                  |                                      |                                    | <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090910-26	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1255	Total Copper (field):	0 ppm		
		pH (field):	6.92 units	Temperature:	79 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-560

NR 216 Classification:

Major Outfall

Structure: Closed Pipe  
Diameter (in): 36  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single



DSCN6803.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 739,394.74

Easting: 2,346,637.66

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 06-560 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/10/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Suspect

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 06-560 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6805.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 739,264.29

Easting: 2,346,639.35

### Outfall Notes:

Upstream manhole located approx 130 ft S of outfall 06-560. Intermediate area consists of paved road adjacent to wastewater treatment plant and industrial facilities.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Suspect

Submerged in Water: Fully

Notes: Faint sewage/sulfide odor. Thick (8 inches) layer of floatables in manhole.

inches: 58

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown ☐ Orange ☐ Green ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited ☐ Excessive

#### Poor Pool Quality

- ☒ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☒ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6806.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:
- Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:
- Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow
- Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090910-24	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1442	Total Copper (field):	0 ppm		
		pH (field):	7.24 units	Temperature:	82 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-729

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	18
Height (in):	
Width (in):	
Material:	RCP
Shape:	Circular
Barrels:	Single



DSCN6817.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

### GPS Coordinates:

Northing: 739,513.63  
Easting: 2,347,025.46

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 06-729 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/10/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** Unlikely

Submerged in Water: Fully inches:

Submerged in Sediment: inches:

Notes:

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:	
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:			

Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-729 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6818.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 739,047.10

Easting: 2,347,237.99

### Outfall Notes:

Upstream manhole located approx 522 ft SSE of outfall 06-729. Intermediate manholes located inside wastewater treatment plant. Intermediate area consists of treatment plant and roads.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, slight flow

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully

inches: 13

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown
- ☐ Orange
- ☐ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☐ Oil Sheen
- ☐ Suds
- ☐ Floatables
- ☐ Excessive Algae
- ☐ Other:



DSCN6819.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

None

- ☐ Sewage
- ☐ Sulfide
- ☐ Rancid/Sour
- ☐ Petroleum
- ☐ Other:

Floatables:

None

- ☐ Sewage
- ☐ Suds
- ☐ Petroleum
- ☐ Other:

Color:

None

- ☐ Clear
- ☐ Brown
- ☐ Green
- ☐ Orange
- ☐ Red
- ☐ Blue
- ☐ Yellow

Turbidity:

None

- ☐ Gray
- ☐ Other:

### Sampling Results

Sample Location: Pool

Total Chlorine (field):

0 ppm

Phenol:

0 mg/L

Sample ID: 090910-10

Free Chlorine (field):

0 ppm

Detergents:

0 mg/L

Time Collected: 1528

Total Copper (field):

0 ppm

pH (field):

7.2 units

Temperature:

75 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 06-810

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 36  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 738,711.60  
Easting: 2,349,421.33



DSCN6798.JPG

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 06-810 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/10/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Potential**

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

**Photo Not Available**  
**Submerged Outfall**

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-810 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6800.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 738,655.09

Easting: 2,349,369.49

### Outfall Notes:

Upstream manhole located approx 77 ft SW of outfall 06-810. Intermediate area consists of open area.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential

Submerged in Water: Partially

Notes: Abnormal detergent analysis result (bubbles)

inches: 6

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |   |                                 |                                     |
|----------------------------|--|--|---|---------------------------------|-------------------------------------|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping |                                 |                                     |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line                  | <input type="checkbox"/> Other: |                                     |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green                      | <input type="checkbox"/> Other: |                                     |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |   |                                 |                                     |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen                  | <input type="checkbox"/> Suds   | <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |   |                                 |                                     |



DSCN6801.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |                                 |                               |                                 |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|---------------------------------|-------------------------------|---------------------------------|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other: |                               |                                 |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |                                 |                               |                                 |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red    | <input type="checkbox"/> Blue | <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |                                 |                               |                                 |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090910-65	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1405	Total Copper (field):	0 ppm		
		pH (field):	8.42 units	Temperature:	82 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-1028

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	12
Height (in):	
Width (in):	
Material:	RCP
Shape:	Circular
Barrels:	Single



DSCN6793.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

### GPS Coordinates:

Northing: 740,003.61  
Easting: 2,347,926.15

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 06-1028 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/10/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** Unlikely

Submerged in Water: Fully inches:

Submerged in Sediment: inches:

Notes:

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping		
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Other:	
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green	<input type="checkbox"/> Other:	
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:			

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:		
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:			
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red	<input type="checkbox"/> Blue	<input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:					

Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 06-1028 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6795.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 739,894.26

Easting: 2,347,979.27

### Outfall Notes:

Upstream manhole (inlet) located approx 122 ft SSE of outfall 06-1028. Intermediate area consists of open area and paved parking lot adjacent to wastewater treatment plant.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 16

Notes: Slight sulfide odor.

Submerged in Sediment: Partially  
inches: 3

### Physical Indicators (Outfall and Surrounding Area)

- |                            |   |  |   |
|----------------------------|---|--|---|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion        | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping   |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily             | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:  |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown            | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:  |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited        | <input type="checkbox"/> Excessive     |   |
| <b>Poor Pool Quality</b>   | <input checked="" type="checkbox"/> Odors | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input checked="" type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae  | <input type="checkbox"/> Other:        |   |



DSCN6796.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090910-72	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1316	Total Copper (field): 0 ppm	
	pH (field): 7.72 units	Temperature: 80 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-1132

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 42  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6456.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 736,049.91  
Easting: 2,336,592.95

Outfall Notes:

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes:

Submerged in Sediment: No  
inches: 0

Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6457.JPG

Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-1136

NR 216 Classification:

Major Outfall

Structure: Closed Pipe  
Diameter (in): 42  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6459.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 736,052.43

Easting: 2,336,644.92

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 06-1136 US1.

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 11

Notes:

Submerged in Sediment: Partially  
inches: 1

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6460.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** Faint ☐ Sewage ☒ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** None ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** None ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** Cloudy ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 06-1136 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6462.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 736,043.61

Easting: 2,336,661.91

### Outfall Notes:

Upstream manhole located approx 19 ft ESE of outfall 06-1136. Intermediate area consists of rip-rap embankment.

## Location Map



Inspection Date: 9/3/2009

Inspector: JCW

Flow Description: Submerged, slight flow

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially

inches: 10

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |   |                                 |                                     |
|----------------------------|--|--|---|---------------------------------|-------------------------------------|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping |                                 |                                     |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line                  | <input type="checkbox"/> Other: |                                     |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green                      | <input type="checkbox"/> Other: |                                     |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |   |                                 |                                     |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen                  | <input type="checkbox"/> Suds   | <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |   |                                 |                                     |



DSCN6463.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                   |                                 |                                  |                                      |                                    |                                 |                               |                                 |
|--------------------|-----------------------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|---------------------------------|-------------------------------|---------------------------------|
| <b>Odor:</b>       | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other: |                               |                                 |
| <b>Floatables:</b> | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |                                 |                               |                                 |
| <b>Color:</b>      | <input type="text" value="None"/> | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red    | <input type="checkbox"/> Blue | <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="text" value="None"/> |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other: |                               |                                 |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090903-20	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1522	Total Copper (field):	0 ppm		
		pH (field):	8.12 units	Temperature:	71 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-1477

NR 216 Classification:

Major Outfall

Structure: Open Channel  
Depth (ft): 3  
Top Width (ft): 35  
Bot. Width (ft): 15  
Material: Rip-Rap  
Shape: Trapezoid



DSCN6469.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 737,303.76

Easting: 2,336,989.19

Outfall Notes:

Rip-rap channel into stormwater pond.

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No

inches: 0

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6470.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-1694

NR 216 Classification:

Major Outfall

Structure: Closed Pipe  
Diameter (in): 21  
Height (in):  
Width (in):  
Material:  
Shape: Circular  
Barrels: Single



DSCN6811.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

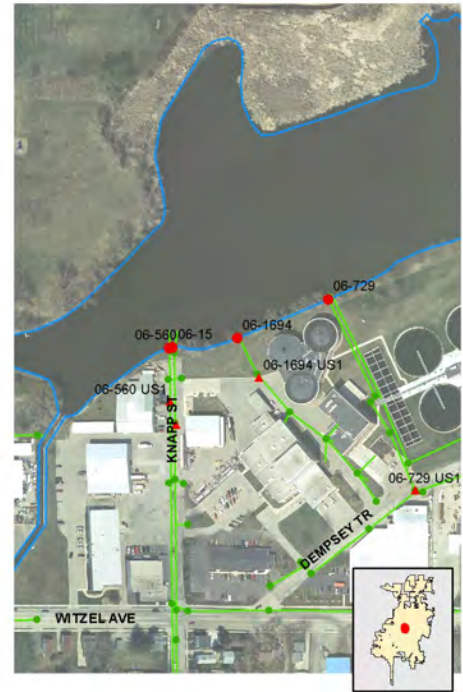
Northing: 739,419.20

Easting: 2,346,803.83

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 06-1694 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 06-1694 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6813.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 739,323.84

Easting: 2,346,856.08

### Outfall Notes:

Upstream manhole (inlet) located approx 109 ft S of outfall 06-1694. Intermediate area consists of open area north of wastewater treatment plant.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 36

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6814.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090910-25	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1503	Total Copper (field): 0 ppm	
	pH (field): 7.57 units	Temperature: 79 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 06-1746

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 54  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6472.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 738,767.61  
Easting: 2,339,329.23

### Outfall Notes:

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes: Wet, no flow.

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6473.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 08-270

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 36  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 736,280.47  
Easting: 2,355,763.46



DSCN6655.JPG

### Outfall Notes:

Outfall fully submerged. Outfall screened upstream at 08-270 US1.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 37

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None



DSCN6656.JPG

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 08-270 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6657.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

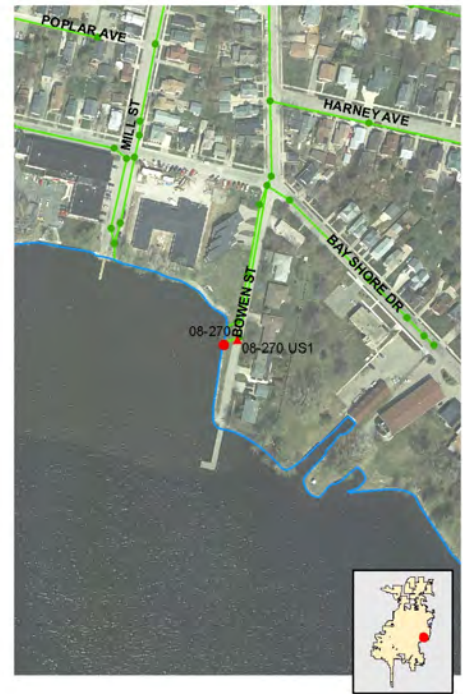
Northing: 736,292.28

Easting: 2,355,796.29

### Outfall Notes:

Upstream manhole located approx 34 ft ENE of outfall 08-270. Intermediate area consists of road right-of-way and shoreline.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 30

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6658.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090908-28	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1500	Total Copper (field):	0 ppm		
		pH (field):	8.26 units	Temperature:	77 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 09-32

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	12
Width (in):	19
Material:	RCP
Shape:	Elliptical
Barrels:	Single



DSCN6782.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

### GPS Coordinates:

Northing: 737,498.11  
Easting: 2,351,270.17

### Outfall Notes:

Outfall not physically located - behind fence. GPS coordinates approximate. Outfall screened upstream at 09-32 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/10/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b>	<b>Previous Rainfall (hrs):</b> 72+
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<b>Illicit Discharge Potential:</b>	<b>Submerged in Water:</b>
Notes:	inches: 0
	<b>Submerged in Sediment:</b>
	inches: 0

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b> <input type="text"/>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:
<b>Floatables:</b> <input type="text"/>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:	
<b>Color:</b> <input type="text"/>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b> <input type="text"/>				<input type="checkbox"/> Gray	<input type="checkbox"/> Other:

Sampling Results

Sample Location: None



Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 09-32 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6783.JPG

- ☐ Office Follow-up Required  
☒ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 737,429.63

Easting: 2,351,263.20

### Outfall Notes:

Upstream manhole located approx 69 ft S of outfall 09-32. Inaccessible - paved over. No other manhole outside building.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description:

Previous Rainfall (hrs): 72+

### Illicit Discharge Potential:

Notes:

Submerged in Water:

inches: 0

Submerged in Sediment:

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown ☐ Orange ☐ Green ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited ☐ Excessive

#### Poor Pool Quality

- ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

- ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:

Floatables:

- ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:

Color:

- ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow

Turbidity:

- ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 09-84

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	24
Height (in):	
Width (in):	
Material:	VCP
Shape:	Circular
Barrels:	Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 737,461.78  
Easting: 2,351,916.75



DSCN6770.JPG

### Outfall Notes:

Outfall fully submerged under bridge and not physically located. GPS coordinates approximate. Outfall screened upstream at 09-84 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/10/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** **Potential**      Submerged in Water: Fully inches:

Notes:      Submerged in Sediment: inches:

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b> <input type="text"/>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:
<b>Floatables:</b> <input type="text"/>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:	
<b>Color:</b> <input type="text"/>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b> <input type="text"/>				<input type="checkbox"/> Gray	<input type="checkbox"/> Other:

Sampling Results

Sample Location: None



Checked by: BDW    11/11/2009

# City of Oshkosh

## Outfall ID: 09-84 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6771.JPG

## Location Map



- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 737,384.24

Easting: 2,351,914.51

### Outfall Notes:

Upstream manhole located approx 78 ft S of outfall 09-84. Intermediate area consists of bridge and approach.

Inspection Date: 9/10/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Potential

Notes: Abnormal detergent analysis result (bubbles)

Submerged in Water: Fully

inches: 16

Submerged in Sediment: No

inches: 0



DSCN6772.JPG

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090910-21	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1016	Total Copper (field):	0 ppm		
		pH (field):	8.03 units	Temperature:	76 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 09-101a

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe

Diameter (in):

Height (in):

Width (in):

Material:

Shape:

Barrels:



DSCN6774.JPG

☒ Office Follow-up Required

☒ Field Follow-up Required

☐ Damaged

☐ Graffiti

☐ Significant Erosion

GPS Coordinates:

Northing: 737,393.43

Easting: 2,350,733.37

### Outfall Notes:

Outfall not physically located - behind fence. May consist of three outfalls within one concrete box culvert. Outfall screened upstream at 09-101a US1.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description:

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water:

inches:

Notes:

Submerged in Sediment:

inches:

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

☐ Oily ☐ Paint ☐ Flow Line ☐ Other:

#### Pipe Benthic Growth

☐ Brown ☐ Orange ☐ Green ☐ Other:

#### Abnormal Vegetation

☐ Inhibited ☐ Excessive

#### Poor Pool Quality

☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:

Floatables:

☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:

Color:

☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow

Turbidity:

☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 09-101a US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6776.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 737,112.43

Easting: 2,350,659.13

### Outfall Notes:

Upstream manhole located approx 292 ft SSW of outfall 09-101a. Intermediate area consists of gravel parking area for industrial facility.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully

inches: 22

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown ☐ Orange ☐ Green ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited ☐ Excessive

#### Poor Pool Quality

- ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6777.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

- ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:

Floatables:

- ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:

Color:

- ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow

Turbidity:

- ☐ Gray ☐ Other:

### Sampling Results

Sample Location: Pool

Total Chlorine (field): 0 ppm

Phenol: 0 mg/L

Sample ID: 090910-67

Free Chlorine (field): 0 ppm

Detergents: 0 mg/L

Time Collected: 1055

Total Copper (field): 0 ppm

pH (field): 8.19 units

Temperature: 74 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 09-101b

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in):  
Width (in):  
Material:  
Shape:  
Barrels:



DSCN6774.JPG

- ☒ Office Follow-up Required  
☒ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 737,393.24  
Easting: 2,350,740.83

### Outfall Notes:

Outfall not physically located - behind fence. May consist of three outfalls within one concrete box culvert. Outfall screened upstream at 09-101b US1.

## Location Map



<b>Inspection Date:</b> 9/10/2009		<b>Inspector:</b> JCW		<b>Flow Description:</b>		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely				<b>Submerged in Water:</b>			
<b>Notes:</b>				<b>inches:</b>			
				<b>Submerged in Sediment:</b>			
				<b>inches:</b>			
<u>Physical Indicators (Outfall and Surrounding Area)</u>							
<b>Outfall Damage</b>		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping			
<b>Deposits/Stains</b>		<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Other:		
<b>Pipe Benthic Growth</b>		<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green	<input type="checkbox"/> Other:		
<b>Abnormal Vegetation</b>		<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive				
<b>Poor Pool Quality</b>		<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Floatables	
		<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:				
<u>Physical Indicators (In Flow, if outfall is flowing)</u>							
<b>Odor:</b>	<input type="text"/>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:	
<b>Floatables:</b>	<input type="text"/>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:		
<b>Color:</b>	<input type="text"/>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red	<input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="text"/>				<input type="checkbox"/> Gray	<input type="checkbox"/> Other:	
<u>Sampling Results</u>							
Sample Location: None							

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 09-101b US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6779.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 736,753.91

Easting: 2,350,622.50

### Outfall Notes:

Upstream manhole located approx 655 ft SSW of outfall 09-101b. Intermediate area consists of gravel parking area for industrial facility and residential streets.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description: Submerged, slight flow

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully

inches: 28

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown ☐ Orange ☐ Green ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited ☐ Excessive

#### Poor Pool Quality

- ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6780.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location:	Flow	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090910-05	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1118	Total Copper (field):	0 ppm		
		pH (field):	8.21 units	Temperature:	78 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 09-101c

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in):  
Width (in):  
Material:  
Shape:  
Barrels:



DSCN6774.JPG

- ☒ Office Follow-up Required  
☒ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 737,393.04  
Easting: 2,350,747.64

### Outfall Notes:

Outfall not physically located - behind fence. May consist of three outfalls within one concrete box culvert. Outfall screened upstream at 09-101c US1.

## Location Map



Inspection Date: 9/10/2009

Inspector: JCW

Flow Description:

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Potential**

Submerged in Water:

inches:

Notes:

Submerged in Sediment:

inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

**Photo Not Available**  
**Submerged Outfall**

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 09-101C US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6890.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 736,803.81

Easting: 2,350,634.45

### Outfall Notes:

Upstream manhole located approx 605 ft SSW of outfall 09-101c. Intermediate area consists of gravel parking area for industrial facility and residential streets.

## Location Map



Inspection Date: 9/11/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential

Submerged in Water: Fully

inches: 0

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown
- ☐ Orange
- ☐ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☒ Oil Sheen
- ☐ Suds
- ☒ Floatables
- ☐ Excessive Algae
- ☐ Other:



DSCN6891.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

- ☐ Sewage
- ☐ Sulfide
- ☐ Rancid/Sour
- ☐ Petroleum
- ☐ Other:

Floatables:

- ☐ Sewage
- ☐ Suds
- ☐ Petroleum
- ☐ Other:

Color:

- ☐ Clear
- ☐ Brown
- ☐ Green
- ☐ Orange
- ☐ Red
- ☐ Blue
- ☐ Yellow

Turbidity:

- ☐ Gray
- ☐ Other:

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090911-71	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1054	Total Copper (field):	0 ppm		
		pH (field):	8.13 units	Temperature:	74 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 11-64

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	11
Width (in):	18
Material:	CMP
Shape:	Elliptical
Barrels:	Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 739,597.32  
Easting: 2,358,638.57



DSCN6651.JPG

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 11-64 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/8/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** Unlikely

Notes:

Submerged in Water: Fully inches:  
Submerged in Sediment: inches:

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:	
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:			

Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 11-64 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6652.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 739,608.72

Easting: 2,358,553.46

### Outfall Notes:

Upstream manhole located approx 86 ft W of outfall 11-64. Intermediate area consists of paved parking area near beach and boat launch.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 12

Notes: Slight sulfide odor.

Submerged in Sediment: Partially  
inches: 5

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6653.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090908-11	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1230	Total Copper (field): 0 ppm	
	pH (field): 7.61 units	Temperature: 77 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 11-173

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 42  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single



DSCN6628.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 741,479.86  
Easting: 2,357,671.36

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 11-173 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 11-173 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6629.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 741,468.24

Easting: 2,357,624.73

### Outfall Notes:

Upstream manhole located approx 48 ft WSW of outfall 11-173. Intermediate area consists of open space in park.

## Location Map



Inspection Date: 9/8/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential

Submerged in Water: Fully

inches: 39

Notes: Abnormal detergent analysis result (bubbles)

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown
- ☐ Orange
- ☒ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☐ Oil Sheen
- ☐ Suds
- ☐ Floatables
- ☐ Excessive Algae
- ☐ Other:



DSCN6630.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

- ☐ Sewage
- ☐ Sulfide
- ☐ Rancid/Sour
- ☐ Petroleum
- ☐ Other:

Floatables:

- ☐ Sewage
- ☐ Suds
- ☐ Petroleum
- ☐ Other:

Color:

- ☐ Clear
- ☐ Brown
- ☐ Green
- ☐ Orange
- ☐ Red
- ☐ Blue
- ☐ Yellow

Turbidity:

- ☐ Gray
- ☐ Other:

### Sampling Results

Sample Location: Pool  
Sample ID: 090908-22  
Time Collected: 1315

Total Chlorine (field): 0 ppm  
Free Chlorine (field): 0 ppm  
Total Copper (field): 0 ppm  
pH (field): 8.4 units  
Phenol: 0 mg/L  
Detergents: 0 mg/L  
Temperature: 79 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 11-244

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 27  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☒ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 741,057.69  
Easting: 2,358,384.19



DSCN6644.JPG

Outfall Notes:

Outfall fully submerged. Outfall screened upstream at 11-244 US1.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 27

Notes: Pipe separation

Submerged in Sediment:  
inches:

Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6645.JPG

Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 11-244 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6648.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 740,728.01

Easting: 2,358,455.29

### Outfall Notes:

Upstream manhole located approx 338 ft SSE of outfall 11-244. Intermediate area consists of open space in park.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 22

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6649.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090908-05	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1410	Total Copper (field):	0 ppm		
		pH (field):	8.21 units	Temperature:	77 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 11-376

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 42  
Height (in):  
Width (in):  
Material: CIP  
Shape: Circular  
Barrels: Single



DSCN6620.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 743,691.94  
Easting: 2,357,489.84

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 11-376 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Suspect

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☒ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 11-376 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6621.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 743,686.63

Easting: 2,357,408.24

### Outfall Notes:

Upstream manhole located approx 82 ft W of outfall 11-376. Intermediate area consists of open space in park.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Suspect

Notes: Abnormal detergent analysis result (bubbles). Significant floating debris in manhole.

Submerged in Water: Fully  
inches: 81

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |   |
|----------------------------|--|--|---|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping   |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:  |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:  |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |   |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input checked="" type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |   |



DSCN6622.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090908-04	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1235	Total Copper (field): 0 ppm	
	pH (field): 7.82 units	Temperature: 76 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 11-400

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 42  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 740,792.67  
Easting: 2,357,741.93



DSCN6632.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 11-400 US1.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

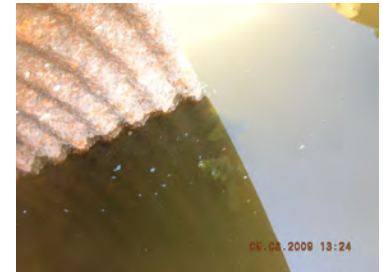
Submerged in Water: Partially  
inches: 16

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6633.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 11-400 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6635.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 740,771.74

Easting: 2,357,711.95

### Outfall Notes:

Upstream manhole located approx 37 ft SW of outfall 11-400. Intermediate area consists of open space in park.

## Location Map



Inspection Date: 9/8/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 22

Notes: Slight green color in water.

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint     | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint             | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange            | <input checked="" type="checkbox"/> Green <input type="checkbox"/> Other:                            |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive         |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input checked="" type="checkbox"/> Colors | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:            |  |



DSCN6636.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090908-10	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1330	Total Copper (field): 0 ppm	
	pH (field): 8.48 units	Temperature: 78 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 11-465

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 42  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 743,142.29  
Easting: 2,357,582.15



DSCN6624.JPG

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 11-465 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Suspect

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 11-465 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6625.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 743,141.58

Easting: 2,357,545.97

### Outfall Notes:

Upstream manhole located approx 36 ft W of outfall 11-465. Intermediate area consists of open space in park.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Suspect

Notes: Significant floatables in manhole. Slight brown color to water.

Submerged in Water: Fully  
inches: 59

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |   |
|----------------------------|--|--|---|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint     | <input type="checkbox"/> Spalling/Cracking/Chipping   |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint             | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:  |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange            | <input type="checkbox"/> Green <input type="checkbox"/> Other:  |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive         |   |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input checked="" type="checkbox"/> Colors | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input checked="" type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:            |   |



DSCN6626.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090908-08	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1300	Total Copper (field): 0 ppm	
	pH (field): 8.1 units	Temperature: 77 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 11-479

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in): 36  
Width (in): 58  
Material: CMP  
Shape: Elliptical  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 740,010.87  
Easting: 2,357,897.37



DSCN6638.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 11-479 US1.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 21

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☒ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6639.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 11-479 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6641.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 739,964.32

Easting: 2,357,894.08

### Outfall Notes:

Upstream manhole located approx 47 ft S of outfall 11-479. Intermediate area consists of open space in park near zoo.

## Location Map



Inspection Date: 9/8/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 22

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input checked="" type="checkbox"/> Flow Line <input type="checkbox"/> Other:                        |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6642.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090908-25	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1350	Total Copper (field):	0 ppm		
		pH (field):	8.86 units	Temperature:	78 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 12-576

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	44
Width (in):	72
Material:	CMP
Shape:	Elliptical
Barrels:	Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 746,524.74  
Easting: 2,345,811.21



DSCN6673.JPG

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 12-576 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Suspect

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |                                 |                               |                                 |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|---------------------------------|-------------------------------|---------------------------------|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other: |                               |                                 |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |                                 |                               |                                 |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red    | <input type="checkbox"/> Blue | <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other: |                               |                                 |

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 12-576 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6674.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 746,545.48

Easting: 2,345,849.38

### Outfall Notes:

Upstream manhole located approx 52 ft ENE of outfall 12-576. Intermediate area consists of residential lawn area and shoreline.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Suspect

Notes: Abnormal detergent analysis result (bubbles). Significant floatables (bottles) in manhole.

Submerged in Water: Fully  
inches: 68

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6675.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090909-12	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	0820	Total Copper (field):	0 ppm		
		pH (field):	8.46 units	Temperature:	69 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 12-925

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 48  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 750,399.18  
Easting: 2,344,895.89



DSCN6304.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 12-925 US1.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 4

Notes: Faint sulfide odor.

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☒ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☒ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6305.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** None ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** None ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** None ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** None ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 12-925 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6307.JPG

## Location Map



- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 750,411.45

Easting: 2,345,137.49

### Outfall Notes:

Upstream manhole located approx 241 ft ENE of outfall 12-925. Intermediate area consists of open space and streets.

Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Moderate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No

inches: 0

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6308.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                   |                                 |                                  |                                      |                                    |  |
|--------------------|-----------------------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="text" value="None"/> | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="text" value="None"/> |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:  |

### Sampling Results

Sample Location:	Flow	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090902-01	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1000	Total Copper (field):	0 ppm		
		pH (field):	8.18 units	Temperature:	69 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 12-1328

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6300.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 753,040.78  
Easting: 2,343,995.41

### Outfall Notes:

Size and shape not verified - half filled with sediment. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes: Significant sediment in pipe.

Submerged in Sediment: Partially  
inches: 11

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6301.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 12-1781

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 30  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6288.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

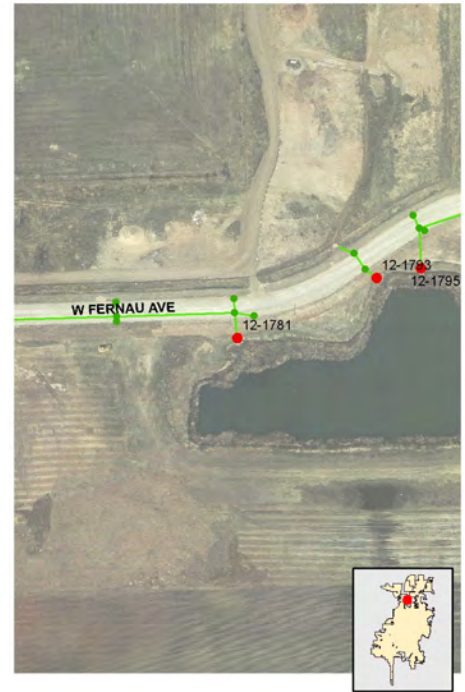
### GPS Coordinates:

Northing: 753,105.13  
Easting: 2,347,588.82

### Outfall Notes:

Inlet to stormwater pond.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes: Wet, no flow.

Submerged in Sediment: Partially  
inches: 1

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☒ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6289.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 12-1793

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6294.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 753,251.90  
Easting: 2,347,929.36

### Outfall Notes:

Inlet to stormwater pond.

## Location Map



Inspection Date: 9/2/2009

Inspector: JCW

Flow Description: None

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6295.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 12-1795

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 42  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6291.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 753,275.65  
Easting: 2,348,037.10

### Outfall Notes:

Inlet to stormwater pond.

## Location Map



Inspection Date: 9/2/2009

Inspector: JCW

Flow Description: None

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6292.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 13-101

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	36
Width (in):	58
Material:	CMP
Shape:	Elliptical
Barrels:	Single



DSCN6488.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

### GPS Coordinates:

Northing: 734,526.37  
Easting: 2,348,150.87

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 13-101 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/4/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Submerged in Water:</b> Fully inches:	
<b>Notes:</b>		<b>Submerged in Sediment:</b> inches:	
<u>Physical Indicators (Outfall and Surrounding Area)</u>			
<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	
<u>Physical Indicators (In Flow, if outfall is flowing)</u>			
<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour <input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:	
<u>Sampling Results</u>			
Sample Location: None			

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-101 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6489.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 734,545.94

Easting: 2,348,112.53

### Outfall Notes:

Upstream manhole located approx 43 ft NW of outfall 13-101. Intermediate area consists of open space in park.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 45

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6490.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |  |                                 |                                  |                                      |                                    |  |
|--|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b> <input type="text" value="None"/>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b> <input type="text" value="None"/>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b> <input type="text" value="None"/>  |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090904-08	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 0835	Total Copper (field): 0 ppm	
	pH (field): 8.24 units	Temperature: 67 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-68

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 18  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single



DSCN6412.JPG

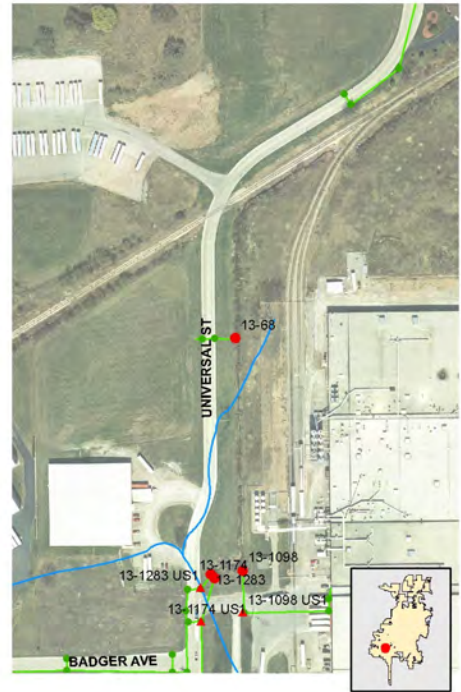
- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 729,783.56  
Easting: 2,338,577.38

### Outfall Notes:

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes: Wet, but no flow leaving pipe.

Submerged in Sediment: Partially  
inches: 1

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6413.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 13-337

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	40
Width (in):	65
Material:	CMP
Shape:	Elliptical
Barrels:	Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 734,427.74  
Easting: 2,348,206.50



DSCN6492.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 13-337 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 21

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☒ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6493.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-337 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6496.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 734,411.63

Easting: 2,348,194.63

### Outfall Notes:

Upstream manhole located approx 20 ft SW of outfall 13-337. Intermediate area consists of open space in park.

## Location Map



Inspection Date: 9/4/2009

Inspector: JCW

Flow Description: Submerged, slight flow

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially

inches: 28

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown ☐ Orange ☐ Green ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited ☐ Excessive

#### Poor Pool Quality

- ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6497.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

None

- ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:

Floatables:

None

- ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:

Color:

None

- ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow

Turbidity:

None

- ☐ Gray ☐ Other:

### Sampling Results

Sample Location: Pool

Total Chlorine (field):

0 ppm

Phenol:

0 mg/L

Sample ID: 090904-04

Free Chlorine (field):

0 ppm

Detergents:

0 mg/L

Time Collected: 0845

Total Copper (field):

0 ppm

pH (field):

8.01 units

Temperature:

66 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-471

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in): 48  
Width (in): 76  
Material: RCP  
Shape: Elliptical  
Barrels: Single



DSCN6502.JPG

- ☐ Office Follow-up Required  
☒ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 736,093.24  
Easting: 2,343,802.68

### Outfall Notes:

First upstream manhole buried under concrete sidewalk. Second upstream manhole buried under concrete street. Sample collected from pool by outfall. City may want to attempt to locate and access buried manholes.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 38

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6503.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090904-05	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1000	Total Copper (field):	0 ppm		
		pH (field):	8.38 units	Temperature:	66 °F

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 13-875

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	36
Width (in):	58
Material:	CMP
Shape:	Elliptical
Barrels:	Single



DSCN6475.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 733,409.72  
Easting: 2,340,928.89

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 13-875 US1.

## Location Map



<b>Inspection Date:</b> 9/3/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, slight flow	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** Unlikely

Submerged in Water: Partially  
inches: 14

Submerged in Sediment: Partially  
inches: 4

Notes:

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input checked="" type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping				
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Other:			
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Other:			
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive					
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Floatables		
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:					

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b>	None	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:		
<b>Floatables:</b>	None	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:			
<b>Color:</b>	None	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red	<input type="checkbox"/> Blue	<input type="checkbox"/> Yellow
<b>Turbidity:</b>	Slight Cloudiness				<input type="checkbox"/> Gray	<input type="checkbox"/> Other:		

Sampling Results

Sample Location: None



DSCN6477.JPG

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 13-875 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6479.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 733,401.23

Easting: 2,340,928.16

### Outfall Notes:

Upstream manhole located approx 10 ft S of outfall 13-875. Intermediate area consists of open space.

## Location Map



Inspection Date: 9/3/2009

Inspector: JCW

Flow Description: Submerged, slight flow

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 25

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6480.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |  |                                 |                                  |                                      |                                    |  |
|--|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b> <input type="text" value="None"/>                   | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> <input type="text" value="None"/>             | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b> <input type="text" value="None"/>                  | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b> <input type="text" value="Slight Cloudiness"/> |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090903-24	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1600	Total Copper (field): 0 ppm	
	pH (field): 8.2 units	Temperature: 73 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 13-948

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 36  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 734,212.86  
Easting: 2,336,063.55



DSCN6442.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 13-948 US1.

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: Submerged, significant flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 2

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6443.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 13-948 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6445.JPG

## Location Map



- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 734,148.96

Easting: 2,336,049.06

### Outfall Notes:

Upstream manhole located approx 66 ft SSW of outfall 13-948. Intermediate area consists of street, sidewalk and rip-rap embankment.

Inspection Date: 9/3/2009

Inspector: JCW

Flow Description: Substantial

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No

inches: 0

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6446.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |  |                                 |                                  |                                      |                                    |   |
|--|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|---|
| <b>Odor:</b> <input type="text" value="None"/>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:                               |
| <b>Floatables:</b> <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |   |
| <b>Color:</b> <input type="text" value="None"/>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red                                  |
| <b>Turbidity:</b> <input type="text" value="None"/>  |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:                               |
|  |                                 |                                  |                                      |                                    | <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |

### Sampling Results

Sample Location: Flow	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090903-37L	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1315	Total Copper (field): 0 ppm	
	pH (field): 7.65 units	Temperature: 73 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 13-1098

NR 216 Classification:

Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6425.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 729,215.85

Easting: 2,338,595.93

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 13-1098 US1.

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 23

Notes:

Submerged in Sediment: Partially  
inches: 18

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6427.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-1098 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Inlet



DSCN6852.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 729,112.87

Easting: 2,338,595.52

### Outfall Notes:

Upstream manhole (inlet) located approx 103 ft S of outfall 13-1098. Intermediate area consists of driveway to industrial facility.

## Location Map



Inspection Date: 9/3/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially

inches: 13

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown
- ☐ Orange
- ☐ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☐ Oil Sheen
- ☐ Suds
- ☐ Floatables
- ☐ Excessive Algae
- ☐ Other:



DSCN6853.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

- ☐ Sewage
- ☐ Sulfide
- ☐ Rancid/Sour
- ☐ Petroleum
- ☐ Other:

Floatables:

- ☐ Sewage
- ☐ Suds
- ☐ Petroleum
- ☐ Other:

Color:

- ☐ Clear
- ☐ Brown
- ☐ Green
- ☐ Orange
- ☐ Red
- ☐ Blue
- ☐ Yellow

Turbidity:

- ☐ Gray
- ☐ Other:

### Sampling Results

Sample Location: Pool  
Sample ID: 090903-35  
Time Collected: 1052

Total Chlorine (field): 0 ppm  
Free Chlorine (field): 0 ppm  
Total Copper (field): 0 ppm  
pH (field): 7.09 units  
Phenol: 0 mg/L  
Detergents: 0 mg/L  
Temperature: 70 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 13-1174

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	36
Width (in):	58
Material:	CMP
Shape:	Elliptical
Barrels:	Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 729,197.52  
Easting: 2,338,526.73



DSCN6419.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 13-1174 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/3/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** Unlikely

Submerged in Water: Partially  
inches: 34

Submerged in Sediment: Partially  
inches: 7

Notes:

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:	
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:			

Sampling Results

Sample Location: None



DSCN6420.JPG

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-1174 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Inlet



DSCN6849.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 729,091.08

Easting: 2,338,493.30

### Outfall Notes:

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

## Location Map



Inspection Date: 9/3/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially

inches: 25

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

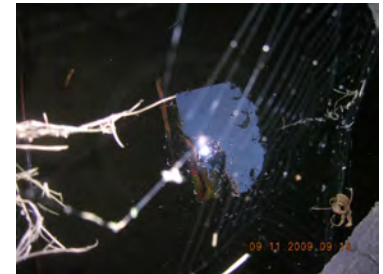
- ☐ Brown
- ☐ Orange
- ☐ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☐ Oil Sheen
- ☐ Suds
- ☐ Floatables
- ☐ Excessive Algae
- ☐ Other:



DSCN6850.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

- ☐ Sewage
- ☐ Sulfide
- ☐ Rancid/Sour
- ☐ Petroleum
- ☐ Other:

Floatables:

- ☐ Sewage
- ☐ Suds
- ☐ Petroleum
- ☐ Other:

Color:

- ☐ Clear
- ☐ Brown
- ☐ Green
- ☐ Orange
- ☐ Red
- ☐ Blue
- ☐ Yellow

Turbidity:

- ☐ Gray
- ☐ Other:

### Sampling Results

Sample Location: Pool

Total Chlorine (field):

0 ppm

Phenol:

0 mg/L

Sample ID: 090903-40

Free Chlorine (field):

0 ppm

Detergents:

0 mg/L

Time Collected: 1026

Total Copper (field):

0 ppm

pH (field):

8.04 units

Temperature:

69 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-1219

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 48  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6507.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 734,288.31  
Easting: 2,342,397.02

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 13-1219 US1.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: Submerged, no flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 7

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6508.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 13-1219 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 734,185.50

Easting: 2,342,303.65



DSCN6510.JPG

### Outfall Notes:

Upstream manhole located approx 139 ft SW of outfall 13-1219. Intermediate area consists of paved commercial parking lot.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: Submerged, slight flow

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No

inches: 0

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6511.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090904-27	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1055	Total Copper (field):	0 ppm		
		pH (field):	8.26 units	Temperature:	67 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-1242

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 42  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single



DSCN6488.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 734,471.85  
Easting: 2,348,158.34

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 13-1242 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-1242 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6499.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 734,381.37

Easting: 2,348,028.77

### Outfall Notes:

Upstream manhole located approx 158 ft SW of outfall 13-1242. Intermediate area consists of open space in park and street right-of-way.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 60

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6500.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090904-12	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	0850	Total Copper (field):	0 ppm		
		pH (field):	7.54 units	Temperature:	67 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 13-1283

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	40
Width (in):	65
Material:	CMP
Shape:	Elliptical
Barrels:	Single



DSCN6416.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

### GPS Coordinates:

Northing: 729,206.57  
Easting: 2,338,516.81

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 13-1283 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/3/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Submerged in Water:</b> Partially inches: 33	
<b>Notes:</b>		<b>Submerged in Sediment:</b> Partially inches: 17	
<u>Physical Indicators (Outfall and Surrounding Area)</u>			
<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	
<u>Physical Indicators (In Flow, if outfall is flowing)</u>			
<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour <input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:	
<u>Sampling Results</u>			
Sample Location: None			



DSCN6417.JPG

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-1283 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Inlet



DSCN6422.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 729,173.10

Easting: 2,338,491.28

### Outfall Notes:

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

## Location Map



Inspection Date: 9/3/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 21

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6423.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090903-32	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1019	Total Copper (field): 0 ppm	
	pH (field): 7.32 units	Temperature: 69 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-1554

NR 216 Classification:

Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6513.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☒ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 732,696.42

Easting: 2,341,596.52

Outfall Notes:

Apron separated from pipe.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No

inches: 0

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6514.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 13-2332

NR 216 Classification:

Major Outfall

Structure: Closed Pipe

Diameter (in):

Height (in): 33

Width (in): 60

Material: RCP

Shape: Elliptical

Barrels: Single



DSCN6436.JPG

☐ Office Follow-up Required

☐ Field Follow-up Required

☐ Damaged

☐ Graffiti

☐ Significant Erosion

GPS Coordinates:

Northing: 732,482.27

Easting: 2,334,774.61

Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 13-2332 US1.

## Location Map



Inspection Date: 9/3/2009

Inspector: JCW

Flow Description: Submerged, slight flow

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially

inches: 15

Notes:

Submerged in Sediment: Partially

inches: 8

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

☐ Oily ☐ Paint ☐ Flow Line ☐ Other:

#### Pipe Benthic Growth

☐ Brown ☐ Orange ☒ Green ☐ Other:

#### Abnormal Vegetation

☐ Inhibited ☐ Excessive

#### Poor Pool Quality

☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6437.JPG

### Physical Indicators (In Flow, if outfall is flowing)

#### Odor:

Faint

☐ Sewage ☒ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:

#### Floatables:

None

☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:

#### Color:

None

☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow

#### Turbidity:

None

☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-2332 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Inlet



DSCN6439.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 732,452.74

Easting: 2,334,771.01

### Outfall Notes:

Upstream manhole (inlet) located approx 30 ft S of outfall 13-2332. Intermediate area consists of open space.

## Location Map



Inspection Date: 9/3/2009

Inspector: JCW

Flow Description: Submerged, slight flow

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 9

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6440.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                   |                                 |                                  |                                      |                                    |  |
|--------------------|-----------------------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="text" value="None"/> | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="text" value="None"/> |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090903-25	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1250	Total Copper (field):	0 ppm		
		pH (field):	8.04 units	Temperature:	71 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-2613

NR 216 Classification:

Major Outfall

Structure: Closed Pipe  
Diameter (in): 42  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6429.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 726,504.67

Easting: 2,338,670.70

### Outfall Notes:

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

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 6

Notes: Thick layer of grass clippings in pipe and pool.

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☒ Floatables  
☒ Excessive Algae ☐ Other:



DSCN6430.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** None ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** None ☐ Sewage ☐ Suds ☐ Petroleum ☒ Other: grass clippings  
**Color:** None ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** None ☐ Gray ☐ Other:

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090903-28	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1110	Total Copper (field):	0 ppm		
		pH (field):	7.77 units	Temperature:	69 °F

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 13-2613 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6855.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 726,380.35

Easting: 2,338,666.19

### Outfall Notes:

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

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 7

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input checked="" type="checkbox"/> Flow Line <input type="checkbox"/> Other:                        |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6856.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090903-09	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1120	Total Copper (field):	0 ppm		
		pH (field):	7.87 units	Temperature:	70 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-2736

NR 216 Classification:  
Major Outfall

Structure: Open Channel  
Depth (ft): 1.5  
Top Width (ft): 5  
Bot. Width (ft): 0  
Material: Earthen  
Shape: Parabolic

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 735,786.87  
Easting: 2,336,333.18



DSCN6466.JPG

Outfall Notes:  
Swale to Sawyer Creek.

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes:

Submerged in Sediment: No  
inches: 0

Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6467.JPG

Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 13-2822

NR 216 Classification:  
Major Outfall

Structure: Open Channel  
Depth (ft): 6  
Top Width (ft): 55  
Bot. Width (ft): 25  
Material: Grass  
Shape: Trapezoid



DSCN6409.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 727,837.42  
Easting: 2,335,846.64

### Outfall Notes:

Swale to stormwater pond. Channel dimensions estimated - attempt to verify from construction drawings.

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6410.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 13-2867

NR 216 Classification:

Major Outfall

Structure: Open Channel  
Depth (ft): 10  
Top Width (ft): 40  
Bot. Width (ft): 0  
Material: Grass  
Shape: Parabolic



DSCN6402.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 726,427.22

Easting: 2,333,742.15

### Outfall Notes:

Swale to stormwater pond. Channel dimensions estimated - attempt to verify from construction drawings.

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No

inches: 0

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6403.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 13-2872

NR 216 Classification:  
Major Outfall

Structure: Open Channel  
Depth (ft): 12  
Top Width (ft): 60  
Bot. Width (ft): 0  
Material: Grass  
Shape: Parabolic



DSCN6396.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 726,555.69  
Easting: 2,334,312.73

### Outfall Notes:

Swale to stormwater pond. Channel dimensions estimated - attempt to verify from construction drawings.

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6397.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 13-2872 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Closed Pipe  
Diameter (in): 42  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6399.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 726,403.37

Easting: 2,334,426.58

Outfall Notes:

Storm sewer outfall discharging into swale.

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

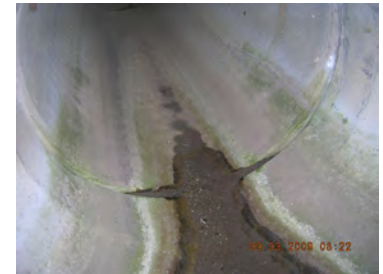
Submerged in Water: No  
inches: 0

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6400.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 13-2957

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in): 36  
Width (in): 60  
Material: RCP  
Shape: Box  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 734,524.41  
Easting: 2,348,129.74



DSCN6482.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 13-2957 US1.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: Submerged, slight flow

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 16

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☒ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6483.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-2957 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6485.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 734,523.32

Easting: 2,348,072.92

### Outfall Notes:

Upstream manhole located approx 57 ft W of outfall 13-2957. Intermediate area consists of open space in park.

## Location Map



<b>Inspection Date:</b> 9/4/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, slight flow	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Submerged in Water:</b> Fully inches:	
<b>Notes:</b>		<b>Submerged in Sediment:</b> No inches: 0	
<u>Physical Indicators (Outfall and Surrounding Area)</u>			
<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	
<u>Physical Indicators (In Flow, if outfall is flowing)</u>			
<b>Odor:</b>	<input type="text" value="None"/>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide <input type="checkbox"/> Rancid/Sour <input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="text" value="None"/>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds <input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Color:</b>	<input type="text" value="None"/>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="text" value="None"/>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:
<u>Sampling Results</u>			
<b>Sample Location:</b> Pool	<b>Total Chlorine (field):</b> 0 ppm	<b>Phenol:</b> 0 mg/L	
<b>Sample ID:</b> 090904-21	<b>Free Chlorine (field):</b> 0 ppm	<b>Detergents:</b> 0 mg/L	
<b>Time Collected:</b> 0820	<b>Total Copper (field):</b> 0 ppm		
	<b>pH (field):</b> 8.1 units	<b>Temperature:</b> 66 °F	



DSCN6486.JPG

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-3099

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in): 38  
Width (in): 60  
Material: RCP  
Shape: Elliptical  
Barrels: Single



DSCN6448.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 735,366.53  
Easting: 2,334,226.15

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 13-3099 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Potential

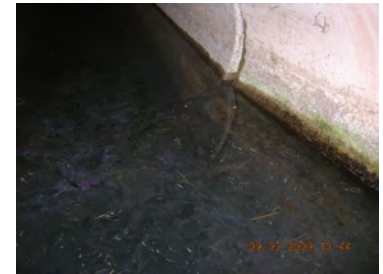
Submerged in Water: Partially  
inches: 11

Notes: Sulfide odor, slight oil sheen in pool.

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☒ Odors ☐ Colors ☒ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6451.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 13-3099 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Inlet



DSCN6453.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 735,357.11

Easting: 2,334,173.31

### Outfall Notes:

Upstream manhole located approx 54 ft W of outfall 13-3099. Intermediate area consists of open space in park.

## Location Map



Inspection Date: 9/3/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential

Submerged in Water: Partially

inches: 2

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown
- ☐ Orange
- ☐ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☒ Oil Sheen
- ☐ Suds
- ☐ Floatables
- ☐ Excessive Algae
- ☐ Other:



DSCN6454.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

- ☐ Sewage
- ☐ Sulfide
- ☐ Rancid/Sour
- ☐ Petroleum
- ☐ Other:

Floatables:

- ☐ Sewage
- ☐ Suds
- ☐ Petroleum
- ☐ Other:

Color:

- ☐ Clear
- ☐ Brown
- ☐ Green
- ☐ Orange
- ☐ Red
- ☐ Blue
- ☐ Yellow

Turbidity:

- ☐ Gray
- ☐ Other:

### Sampling Results

Sample Location: Pool  
Sample ID: 090903-34L  
Time Collected: 1347

Total Chlorine (field): 0 ppm  
Free Chlorine (field): 0 ppm  
Total Copper (field): 0 ppm  
pH (field): 7.43 units  
Phenol: 0 mg/L  
Detergents: 0 mg/L  
Temperature: 73 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-3162

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in): 48  
Width (in): 76  
Material: RCP  
Shape: Elliptical  
Barrels: Single



DSCN6433.JPG

- ☒ Office Follow-up Required  
☒ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

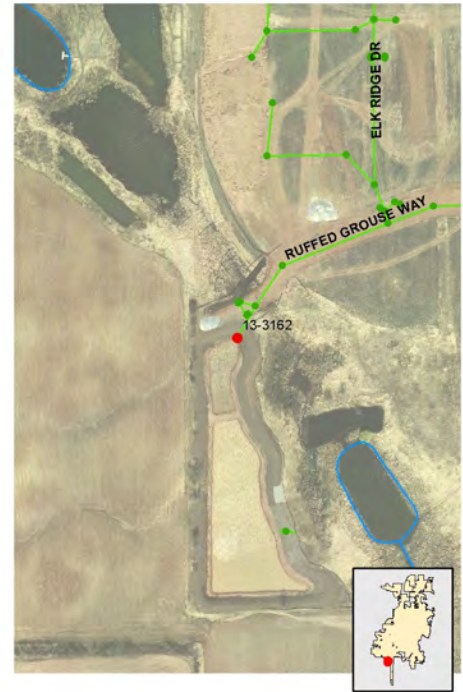
### GPS Coordinates:

Northing: 723,433.60  
Easting: 2,338,932.88

### Outfall Notes:

Outfall partially submerged. Could not locate upstream manhole. Sample collected from pool.

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 43

Notes:

Submerged in Sediment: Partially  
inches: 7

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6434.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090903-08L	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1226	Total Copper (field):	0 ppm		
		pH (field):	9.04 units	Temperature:	75 °F

Checked by: BDW 11/11/2009

# City of Oshkosh

## Outfall ID: 13-3204

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 48  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6406.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

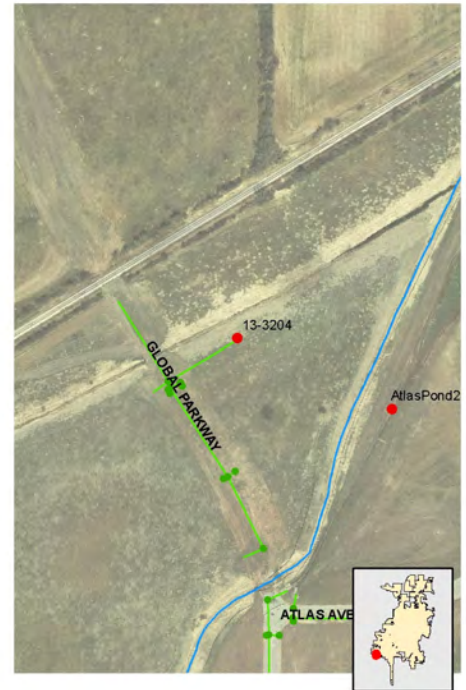
### GPS Coordinates:

Northing: 726,599.06  
Easting: 2,333,364.46

### Outfall Notes:

Outfall from Global Parkway storm sewer.

## Location Map



Inspection Date: 9/3/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6407.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/11/2009



# City of Oshkosh

## Outfall ID: 14-188

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 42  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 729,444.09  
Easting: 2,353,729.97



DSCN6720.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 14-188 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 27

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☒ Excessive Algae ☐ Other:



DSCN6721.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-188 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6723.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 729,442.84

Easting: 2,353,705.40

### Outfall Notes:

Upstream manhole located approx 25 ft W of outfall 14-188. Intermediate area consists of paved driveway to parking area.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 22

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |   |  |  |
|----------------------------|---|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion                  | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily                       | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown                      | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited                  | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors                      | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input checked="" type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6724.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090909-55	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1215	Total Copper (field):	0 ppm		
		pH (field):	8.68 units	Temperature:	79 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-331

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in): 31  
Width (in): 50  
Material: CMP  
Shape: Elliptical  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 731,201.20  
Easting: 2,353,781.76



DSCN6726.JPG

### Outfall Notes:

Outfall almost fully submerged. Outfall screened upstream at 14-331 US1.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 30

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6727.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 14-331 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6858.JPG

## Location Map



- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 731,202.65

Easting: 2,353,752.32

### Outfall Notes:

Upstream manhole located approx 29 ft W of outfall 14-331. Intermediate area consists of open space.

Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 23

Notes: Slight green color.

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6859.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090909-53	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1230	Total Copper (field): 0 ppm	
	pH (field): 8.96 units	Temperature: 80 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-400

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in): 36  
Width (in): 58  
Material: CMP  
Shape: Elliptical  
Barrels: Single



DSCN6729.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 732,768.38  
Easting: 2,353,349.24

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 14-400 US1.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 14

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☒ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6730.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-400 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6732.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 732,774.38

Easting: 2,353,311.53

### Outfall Notes:

Upstream manhole located approx 38 ft W of outfall 14-400. Intermediate area consists of wooded shoreline.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 8

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6733.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090909-58	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1255	Total Copper (field):	0 ppm		
		pH (field):	8.88 units	Temperature:	80 °F

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 14-595

NR 216 Classification:

Major Outfall

Structure: Closed Pipe

Diameter (in):

Height (in): 22

Width (in): 38

Material: RCP

Shape: Elliptical

Barrels: Single



DSCN6530.JPG

☐ Office Follow-up Required

☐ Field Follow-up Required

☐ Damaged

☐ Graffiti

☐ Significant Erosion

GPS Coordinates:

Northing: 724,253.55

Easting: 2,351,497.72

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 14-595 US1.

## Location Map



Inspection Date: 9/4/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential

Submerged in Water: Partially  
inches: 7

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

☐ Oily ☐ Paint ☐ Flow Line ☐ Other:

#### Pipe Benthic Growth

☐ Brown ☐ Orange ☒ Green ☐ Other:

#### Abnormal Vegetation

☐ Inhibited ☐ Excessive

#### Poor Pool Quality

☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6531.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:

Floatables:

☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:

Color:

☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow

Turbidity:

☐ Gray ☐ Other:

### Sampling Results

Sample Location: Pool  
Sample ID: 090904-03  
Time Collected: 1315

Total Chlorine (field): 0 ppm  
Free Chlorine (field): 0 ppm  
Total Copper (field): 0 ppm  
pH (field): 7.57 units  
Phenol: 0 mg/L  
Detergents: 0 mg/L  
Temperature: 71 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-595 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6534.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 724,251.05

Easting: 2,350,848.34

### Outfall Notes:

Upstream manhole located approx 649 ft W of outfall 14-595. Intermediate area consists of open space and fenced stormwater pond, with paved parking area to north.

## Location Map



Inspection Date: 9/4/2009

Inspector: JCW

Flow Description: None

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Potential**

Submerged in Water: No

inches: 0

Notes: Wet, no flow. Slight oil sheen in pool in manhole.

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown
- ☐ Orange
- ☐ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☒ Oil Sheen
- ☐ Suds
- ☐ Floatables
- ☐ Excessive Algae
- ☐ Other:



DSCN6535.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

- ☐ Sewage
- ☐ Sulfide
- ☐ Rancid/Sour
- ☐ Petroleum
- ☐ Other:

Floatables:

- ☐ Sewage
- ☐ Suds
- ☐ Petroleum
- ☐ Other:

Color:

- ☐ Clear
- ☐ Brown
- ☐ Green
- ☐ Orange
- ☐ Red
- ☐ Blue
- ☐ Yellow

Turbidity:

- ☐ Gray
- ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-635

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single



DSCN6527.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 722,630.34  
Easting: 2,350,710.15

### Outfall Notes:

24 inch CMP discharges into west culvert.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Unlikely

Submerged in Water: No

inches: 0

Notes: Water standing in pipe ribs - no flow. Black lining of pipe peeling.

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☒ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6528.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 14-644

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 36  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 725,519.40  
Easting: 2,352,093.27



DSCN6543.JPG

### Outfall Notes:

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6544.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-645

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6546.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 725,567.53  
Easting: 2,352,164.72

Outfall Notes:

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes: Wet, no flow.

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☒ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6547.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-659

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6558.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☒ Damaged  
☒ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 728,601.89  
Easting: 2,352,109.94

### Outfall Notes:

Apron separated from pipe.

## Location Map



Inspection Date: 9/4/2009

Inspector: JCW

Flow Description: None

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No

Notes: Apron separating from pipe. Graffiti on bridge.

inches: 0

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown ☐ Orange ☐ Green ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited ☐ Excessive

#### Poor Pool Quality

- ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6559.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
Floatables:  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
Color:  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
Turbidity:  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 14-660

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6552.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☒ Damaged  
☒ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 728,630.52  
Easting: 2,352,112.54

Outfall Notes:  
Apron separated from pipe.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

**Illicit Discharge Potential: Unlikely**

Submerged in Water: No  
inches: 0

Notes: Apron separating from pipe. Graffiti on bridge.

Submerged in Sediment: No  
inches: 0

Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6553.JPG

Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-670

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 15  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6520.JPG

- ☐ Office Follow-up Required  
☒ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 722,559.04  
Easting: 2,352,092.23

### Outfall Notes:

Remove sediment buildup from pipe discharge.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes: Standing water inside pipe due to sediment at end - no flow leaving pool.

Submerged in Sediment: Partially  
inches: 4

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6521.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-676

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 30  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single



DSCN6537.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 725,466.97  
Easting: 2,351,935.17

### Outfall Notes:

30 inch CMP discharges into west culvert

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: Moderate Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Potential

Submerged in Water: No

inches: 0

Notes: Sample 09090411 collected from pool (suds). No detergent detected.

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☒ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☒ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6538.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** None ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** None ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** None ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** None ☐ Gray ☐ Other:

### Sampling Results

Sample Location:	Flow	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090904-10	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1340	Total Copper (field):	0 ppm		
		pH (field):	8.32 units	Temperature:	78 °F

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 14-766

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 30  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single



DSCN6549.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 725,499.27  
Easting: 2,352,884.74

### Outfall Notes:

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: Submerged, no flow Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 11

Notes: Pool at end of pipe - no flow leaving pool.

Submerged in Sediment: Partially  
inches: 9

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6550.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-996

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 48  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 728,232.24  
Easting: 2,351,419.68

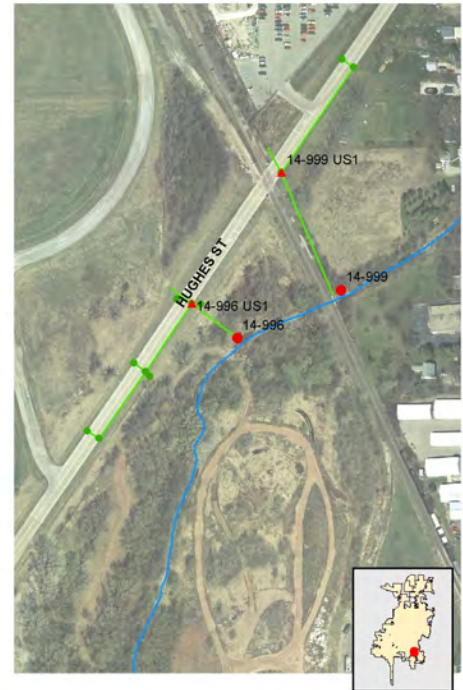


DSCN6563.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 14-996 US1.

## Location Map



Inspection Date: 9/4/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 5

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☒ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6564.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-996 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Inlet



DSCN6566.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 728,315.61

Easting: 2,351,308.29

### Outfall Notes:

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

## Location Map



Inspection Date: 9/4/2009

Inspector: JCW

Flow Description: Moderate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No

inches: 0

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown
- ☐ Orange
- ☐ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☐ Oil Sheen
- ☐ Suds
- ☐ Floatables
- ☐ Excessive Algae
- ☐ Other:



DSCN6567.JPG

### Physical Indicators (In Flow, if outfall is flowing)

#### Odor:

None

- ☐ Sewage
- ☐ Sulfide
- ☐ Rancid/Sour
- ☐ Petroleum
- ☐ Other:

#### Floatables:

None

- ☐ Sewage
- ☐ Suds
- ☐ Petroleum
- ☐ Other:

#### Color:

None

- ☐ Clear
- ☐ Brown
- ☐ Green
- ☐ Orange
- ☐ Red
- ☐ Blue
- ☐ Yellow

#### Turbidity:

None

- ☐ Gray
- ☐ Other:

### Sampling Results

Sample Location: Flow

Total Chlorine (field): 0 ppm

Phenol: 0 mg/L

Sample ID: 090904-01

Free Chlorine (field): 0 ppm

Detergents: 0 mg/L

Time Collected: 1450

Total Copper (field): 0 ppm

pH (field): 7.63 units

Temperature: 82 °F

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 14-999

NR 216 Classification:

Major Outfall

Structure: Closed Pipe  
Diameter (in): 48  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6569.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☒ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

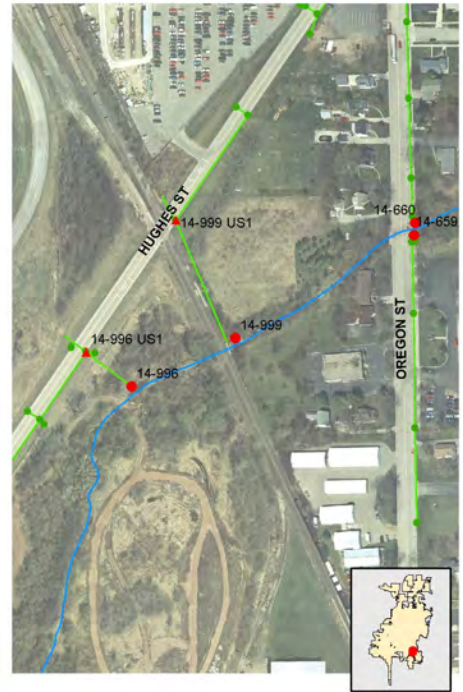
Northing: 728,349.44

Easting: 2,351,673.15

### Outfall Notes:

Outfall partially submerged. Grate on upstream manhole (14-999 US1) could not be removed - sample collected from pool. End pipe section separated.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 1

Notes: End section of pipe separated.

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☒ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6570.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090904-22	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1515	Total Copper (field):	0 ppm		
		pH (field):	7.82 units	Temperature:	73 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-999 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Inlet



DSCN6573.JPG

- ☐ Office Follow-up Required  
☒ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 728,637.25

Easting: 2,351,528.06

### Outfall Notes:

Upstream manhole (inlet) located approx 322 ft NNW of outfall 14-999. Intermediate area consists of railroad right-of-way. Inlet grate could not be removed - screened from pool at outfall. City crews to open grate for future inspections.

## Location Map



Inspection Date: 9/4/2009

Inspector: JCW

Flow Description: Trickle

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No

inches: 0

Notes: Inlet grate stuck - sample collected from outfall pool.

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6574.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 14-1007

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in): 29  
Width (in): 45  
Material: RCP  
Shape: Elliptical  
Barrels: Single



DSCN6523.JPG

- ☐ Office Follow-up Required  
☒ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 722,541.80  
Easting: 2,352,100.69

### Outfall Notes:

Remove sediment buildup from pipe discharge.

## Location Map



Inspection Date: 9/4/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes: Garbage inside pipe.

Submerged in Sediment: Partially  
inches: 1

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6525.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 15-744

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 36  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 749,375.36  
Easting: 2,354,297.21



DSCN6390.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 15-744 US1.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 12

Notes:

Submerged in Sediment: Partially  
inches: 2

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6391.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-744 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Inlet



DSCN6885.JPG

☒ Office Follow-up Required

☒ Field Follow-up Required

☐ Damaged

☐ Graffiti

☐ Significant Erosion

GPS Coordinates:

Northing: 749,365.66

Easting: 2,354,249.96

### Outfall Notes:

Upstream manhole (inlet) located approx 48 ft W of outfall 15-744. Intermediate area consists of road right-of-way. Verify correct upstream location (vault for 36" pipe).

## Location Map



Inspection Date: 9/2/2009

Inspector: JCW

Flow Description: Submerged, slight flow

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially

inches: 13

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

☐ Oily ☐ Paint ☐ Flow Line ☐ Other:

#### Pipe Benthic Growth

☐ Brown ☐ Orange ☐ Green ☐ Other:

#### Abnormal Vegetation

☐ Inhibited ☐ Excessive

#### Poor Pool Quality

☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6886.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

None

☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:

Floatables:

None

☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:

Color:

None

☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow

Turbidity:

None

☐ Gray ☐ Other:

### Sampling Results

Sample Location: Pool  
Sample ID: 090902-12  
Time Collected: 1545

Total Chlorine (field): 0 ppm  
Free Chlorine (field): 0 ppm  
Total Copper (field): 0 ppm  
pH (field): 8.1 units  
Phenol: 0 mg/L  
Detergents: 0 mg/L  
Temperature: 71 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-787

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	31
Width (in):	50
Material:	CMP
Shape:	Elliptical
Barrels:	Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 750,138.74  
Easting: 2,355,658.72



DSCN6608.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 15-787 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/8/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** Unlikely

Submerged in Water: Partially  
inches: 27

Submerged in Sediment: No  
inches: 0

Notes:

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input checked="" type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping		
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Other:	
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Other:	
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:			

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:		
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:			
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red	<input type="checkbox"/> Blue	<input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:					

Sampling Results

Sample Location: None



DSCN6609.JPG

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 15-787 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6611.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

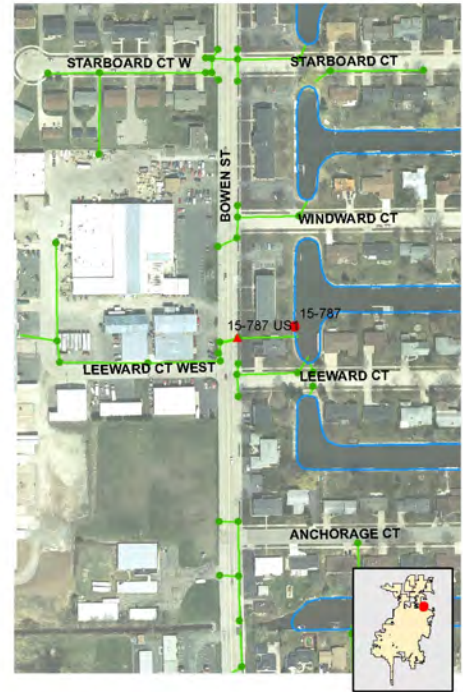
Northing: 750,110.54

Easting: 2,355,519.17

### Outfall Notes:

Upstream manhole located approx 142 ft W of outfall 15-787. Intermediate area consists of residential property.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, no flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 1

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6612.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090908-09	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1130	Total Copper (field): 0 ppm	
	pH (field): 8.41 units	Temperature: 75 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-910

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	44
Width (in):	72
Material:	CMP
Shape:	Elliptical
Barrels:	Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 748,349.47  
Easting: 2,356,438.14



DSCN6616.JPG

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 15-910 US1. Pipe info from MS4 map.

## Location Map



<b>Inspection Date:</b> 9/8/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** Unlikely

Submerged in Water: Fully inches:  
Submerged in Sediment: inches:

Notes:

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:	
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:			

Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-910 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Inlet



DSCN6617.JPG

## Location Map



- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 748,345.93

Easting: 2,356,300.65

### Outfall Notes:

Upstream manhole (inlet) located approx 138 ft W of outfall 15-910. Intermediate area consists of residential property.

Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 58

Notes: Fast food container in manhole - not widespread floatables.

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6618.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090908-03	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1155	Total Copper (field):	0 ppm		
		pH (field):	7.73 units	Temperature:	74 °F

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 15-940

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 60  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6387.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 749,381.95  
Easting: 2,354,301.28

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 15-940 US1.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 14

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6388.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-940 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6881.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 749,378.20

Easting: 2,354,254.49

### Outfall Notes:

Upstream manhole located approx 47 ft W of outfall 15-940. Intermediate area consists of road right-of-way.

## Location Map



Inspection Date: 9/2/2009

Inspector: JCW

Flow Description: Submerged, slight flow

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches:

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6882.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                   |                                 |                                  |                                      |                                    |  |
|--------------------|-----------------------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="text" value="None"/> | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="text" value="None"/> |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090902-05L	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1540	Total Copper (field):	0 ppm		
		pH (field):	8.11 units	Temperature:	70 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-959

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 54  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 751,000.02  
Easting: 2,355,668.57



DSCN6603.JPG

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 15-959 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 15-959 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6604.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 751,143.11

Easting: 2,355,663.31

### Outfall Notes:

Upstream manhole located approx 100 ft N of outfall 13-100. Intermediate area consists of open space.

## Location Map



Inspection Date: 9/8/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 64

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6606.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090908-20	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1115	Total Copper (field):	0 ppm		
		pH (field):	8.2 units	Temperature:	75 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-1032

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 752,962.51  
Easting: 2,352,827.26

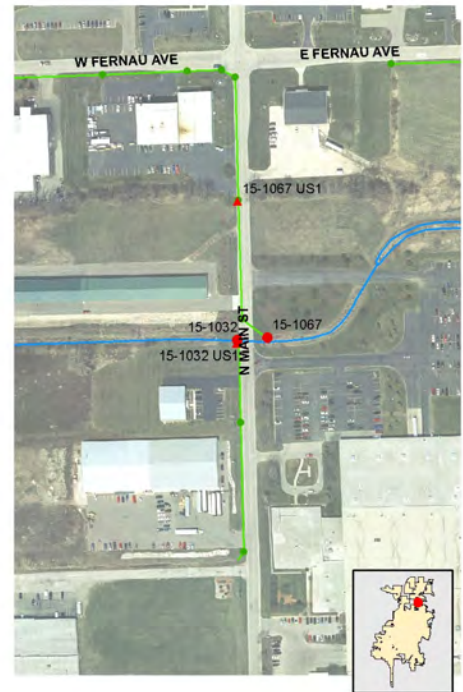


DSCN6375.JPG

### Outfall Notes:

24 inch CMP discharging into culvert. Outfall partially submerged. Outfall screened upstream at 15-1032 US1.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 7

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6377.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-1032 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6378.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 752,953.57

Easting: 2,352,825.04

### Outfall Notes:

Upstream manhole located approx 9 ft SSW of outfall 15-1032. Intermediate area consists of open space in street right-of-way.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches:

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6379.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090902-04	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1410	Total Copper (field): 0 ppm	
	pH (field): 7.58 units	Temperature: 72 °F

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 15-1067

NR 216 Classification:

Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☒ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 752,967.99

Easting: 2,352,900.13

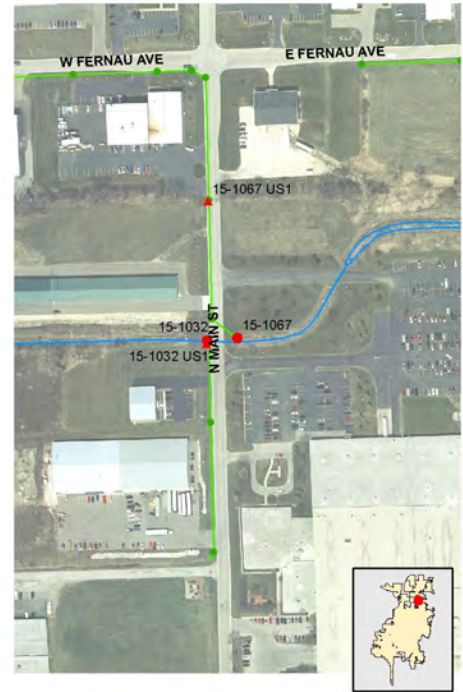


DSCN6371.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 15-1067 US1. CMP crushed, with holes.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 14

Notes: Crushed pipe.

Submerged in Sediment: Partially  
inches: 5

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☒ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6372.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-1067 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6381.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

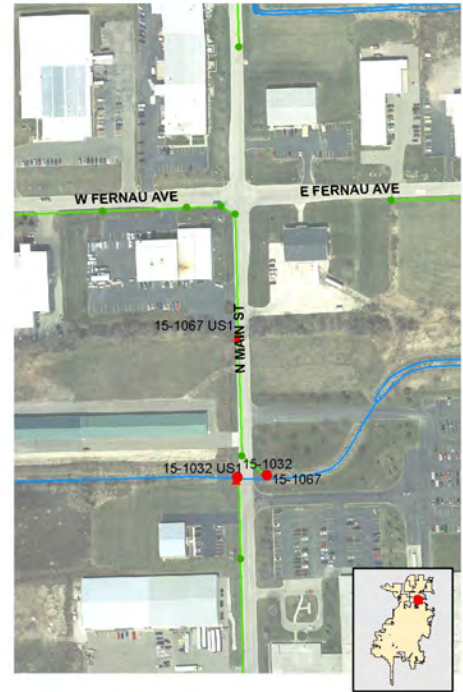
Northing: 753,301.77

Easting: 2,352,827.99

### Outfall Notes:

Upstream manhole located approx 365 ft NNW of outfall 15-1067. Intermediate area consists of Main Street and right-of-way. Intermediate manhole not found.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches:

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6382.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090902-27	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1420	Total Copper (field): 0 ppm	
	pH (field): 7.95 units	Temperature: 75 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-1093

NR 216 Classification:

Major Outfall

Structure: Closed Pipe  
Diameter (in): 15  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single



DSCN6358.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 754,276.28

Easting: 2,352,857.66

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 15-1093 US1.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential

Submerged in Water: Partially  
inches: 7

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☒ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☒ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6359.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** Faint ☐ Sewage ☒ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** None ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** None ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** Cloudy ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 15-1093 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6365.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 754,194.17

Easting: 2,352,825.37

### Outfall Notes:

Upstream manhole located approx 88 ft SSW of outfall 15-1093. Intermediate area consists of Main Street and right-of-way.

## Location Map



Inspection Date: 9/2/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Potential**

Submerged in Water: Partially  
inches:

Notes: Ammonia test = 0 mg/L

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6366.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                         |                                 |                                  |                                      |                                    |  |
|-------------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b> Faint      | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input checked="" type="checkbox"/> Other: Ammonia-like burning odor                       |
| <b>Floatables:</b> None | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b> None      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b> None  |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090902-03	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1325	Total Copper (field): 0 ppm	
	pH (field): 7.79 units	Temperature: 76 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-1095

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in): 24  
Width (in): 38  
Material: RCP  
Shape: Elliptical  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 754,291.41  
Easting: 2,352,857.29



DSCN6353.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 15-1095 US1.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Potential

Submerged in Water: Partially  
inches: 8

Notes: Sample collected from surface sheen in pool.

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☒ Other: milky sheen



DSCN6354.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090902-03L	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1300	Total Copper (field):	0 ppm		
		pH (field):	0 units	Temperature:	0 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-1095 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6361.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 754,361.61

Easting: 2,352,800.01

### Outfall Notes:

Upstream manhole located approx 92 ft NNW of outfall 15-1095. Intermediate area consists of Main Street and right-of-way.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential

Submerged in Water: Partially  
inches:

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6362.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                   |                                 |                                  |                                      |                                    |  |
|--------------------|-----------------------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="text" value="None"/> | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="text" value="None"/> |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090902-08	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1315	Total Copper (field):	0 ppm		
		pH (field):	7.94 units	Temperature:	75 °F

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 15-1217

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 15  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☒ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

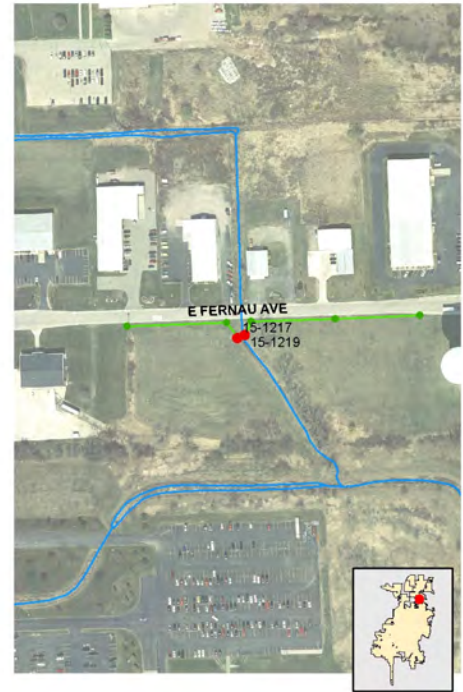
Northing: 753,609.32  
Easting: 2,353,472.37



DSCN6350.JPG

Outfall Notes:  
End of CMP crushed

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes: Wet, no flow

Submerged in Sediment: Partially  
inches: 3

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6351.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-1219

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 21  
Height (in):  
Width (in):  
Material: CMP  
Shape: Circular  
Barrels: Single



DSCN6346.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☒ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 753,616.08  
Easting: 2,353,490.92

Outfall Notes:  
End of CMP crushed

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes: Wet, no flow

Submerged in Sediment: Partially  
inches: 4

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6347.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 15-1248

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in): 33  
Width (in): 49  
Material: CMP  
Shape: Elliptical  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 753,629.68  
Easting: 2,354,136.98



DSCN6340.JPG

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 15-1248 US1.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, slight flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 28

Notes:

Submerged in Sediment: Partially  
inches: 8

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6341.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 15-1248 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6343.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 754,020.83

Easting: 2,354,112.99

### Outfall Notes:

Upstream manhole located approx 392 ft N of outfall 15-1248. Intermediate area consists of Moser Street and right-of-way.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, slight flow

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No

inches: 0

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6344.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |  |                                 |                                  |                                      |                                    |   |
|--|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|---|
| <b>Odor:</b> <input type="text" value="None"/>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:                               |
| <b>Floatables:</b> <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |   |
| <b>Color:</b> <input type="text" value="None"/>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red                                  |
| <b>Turbidity:</b> <input type="text" value="None"/>  |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:                               |
|  |                                 |                                  |                                      |                                    | <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090902-07	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1230	Total Copper (field): 0 ppm	
	pH (field): 8.1 units	Temperature: 72 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-1263

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 30  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6331.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 756,395.77  
Easting: 2,354,104.60

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 15-1263 US1 and US2.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, no flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 18

Notes:

Submerged in Sediment: Partially  
inches: 10

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☒ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6332.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-1263 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6334.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

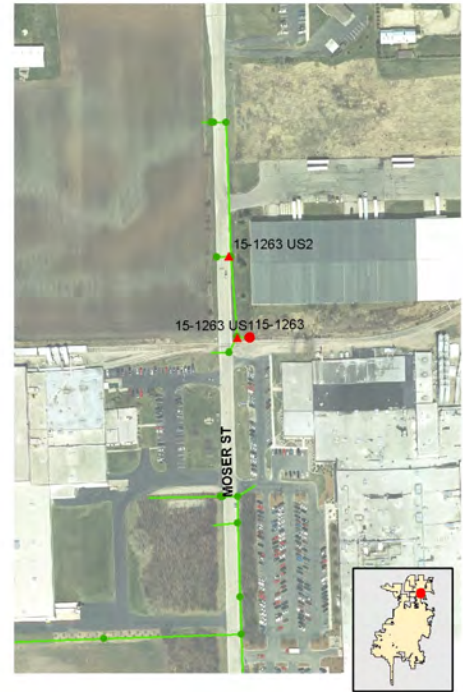
Northing: 756,394.84

Easting: 2,354,074.91

### Outfall Notes:

Upstream manhole located approx 31 ft W of outfall 15-1263. Intermediate area consists of street and railroad right-of-way.

## Location Map



Inspection Date: 9/2/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches:

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6335.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090902-11	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1141	Total Copper (field): 0 ppm	
	pH (field): 7.41 units	Temperature: 70 °F

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 15-1348

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 36  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6310.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 758,600.15  
Easting: 2,352,715.32

Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 15-1348 US1 (south branch) and 15-1348 US2 (north branch)..

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Suspect**

Submerged in Water: Partially  
inches: 16

Notes: Significant grass clippings in outfall pipe.

Submerged in Sediment: No  
inches: 0

Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☒ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☒ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☒ Other: Grass clippings



DSCN6311.JPG

Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-1348 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Inlet



DSCN6328.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 758,487.82

Easting: 2,352,527.55

### Outfall Notes:

Upstream manhole (inlet) located approx 281 ft WSW of outfall 15-1348 (south branch). Intermediate area consists of residential properties.

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: Trickle Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6329.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                         |                                 |                                  |                                      |                                    |  |
|-------------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b> None       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> None | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b> None      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b> None  |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other:  |

### Sampling Results

Sample Location: Flow	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090902-05	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1050	Total Copper (field): 0 ppm	
	pH (field): 7.98 units	Temperature: 72 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-1348 US2

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Inlet



DSCN6313.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 758,737.49

Easting: 2,352,538.64

### Outfall Notes:

Upstream manhole (inlet) located approx 316 ft NW of outfall 15-1348 north branch). Intermediate area consists of residential properties.

## Location Map



Inspection Date: 9/2/2009

Inspector: JCW

Flow Description: Trickle

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Suspect

Submerged in Water: No

inches: 0

Notes: Grass clippings in manhole and surrounding curb.

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown
- ☐ Orange
- ☐ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☐ Oil Sheen
- ☐ Suds
- ☐ Floatables
- ☐ Excessive Algae
- ☐ Other: 0



DSCN6315.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |             |                                   |                                 |                                  |                                      |                                    |                                 |
|-------------|-----------------------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|---------------------------------|
| Odor:       | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other: |
| Floatables: | <input type="text" value="None"/> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |                                 |
| Color:      | <input type="text" value="None"/> | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red    |
| Turbidity:  | <input type="text" value="None"/> |                                 |                                  |                                      | <input type="checkbox"/> Blue      | <input type="checkbox"/> Yellow |
|             |                                   |                                 |                                  |                                      | <input type="checkbox"/> Gray      | <input type="checkbox"/> Other: |

### Sampling Results

Sample Location:	Flow	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090902-10	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1100	Total Copper (field):	0 ppm		
		pH (field):	7.67 units	Temperature:	72 °F

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 15-1889

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	29
Width (in):	45
Material:	RCP
Shape:	Elliptical
Barrels:	Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 754,426.15  
Easting: 2,351,550.37



DSCN6384.JPG

### Outfall Notes:

Outfall partially submerged. Upstream manhole could not be located, so sample was collected from pool at outfall.

## Location Map



<b>Inspection Date:</b> 9/2/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, slight flow	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Submerged in Water:</b> Partially inches: 11	
<b>Notes:</b>		<b>Submerged in Sediment:</b> Partially inches: 7	
<u>Physical Indicators (Outfall and Surrounding Area)</u>			
<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input checked="" type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	
<u>Physical Indicators (In Flow, if outfall is flowing)</u>			
<b>Odor:</b>	<input type="text" value="None"/>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide <input type="checkbox"/> Rancid/Sour <input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="text" value="None"/>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds <input type="checkbox"/> Petroleum <input type="checkbox"/> Other:
<b>Color:</b>	<input type="text" value="None"/>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="text" value="None"/>		<input type="checkbox"/> Gray <input type="checkbox"/> Other:
<u>Sampling Results</u>			
<b>Sample Location:</b> Pool	<b>Total Chlorine (field):</b> 0 ppm	<b>Phenol:</b> 0 mg/L	
<b>Sample ID:</b> 090902-10L	<b>Free Chlorine (field):</b> 0 ppm	<b>Detergents:</b> 0 mg/L	
<b>Time Collected:</b> 1505	<b>Total Copper (field):</b> 0 ppm		
	<b>pH (field):</b> 7.31 units	<b>Temperature:</b> 74 °F	



DSCN6385.JPG

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-2243

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in):  
Width (in):  
Material:  
Shape:  
Barrels:

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 753,500.05  
Easting: 2,355,495.72



DSCN6599.JPG

### Outfall Notes:

Outfall fully submerged and not physically located.  
GPS coordinates approximate. Outfall screened  
upstream at 15-2243 US1. Pipe info from MS4 map.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches:

Notes:

Submerged in Sediment:  
inches:

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Photo Not Available  
Submerged Outfall

\_Submerged.jpg

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 15-2243 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6600.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 753,505.15

Easting: 2,355,465.01

### Outfall Notes:

Upstream manhole located approx 31 ft WNW of outfall 15-2243. Intermediate area consists of county highway right-of-way.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Fully  
inches: 26

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6601.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090908-21	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	1100	Total Copper (field):	0 ppm		
		pH (field):	8.19 units	Temperature:	75 °F

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 15-2404

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in):  
Height (in): 28  
Width (in): 44  
Material: RCP  
Shape: Elliptical  
Barrels: Single



DSCN6393.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 746,706.34  
Easting: 2,354,377.72

### Outfall Notes:

## Location Map



Inspection Date: 9/2/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6394.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 16-487

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	
Height (in):	44
Width (in):	72
Material:	CMP
Shape:	Elliptical
Barrels:	Single



DSCN6843.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

### GPS Coordinates:

Northing: 742,528.23  
Easting: 2,342,773.35

### Outfall Notes:

Outfall partially submerged. Outfall screened upstream at 16-487 US1.

## Location Map



<b>Inspection Date:</b> 9/11/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> Submerged, slight flow	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** Unlikely

Submerged in Water: Partially  
inches: 34

Submerged in Sediment: Partially  
inches: 6

Notes:

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input checked="" type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input checked="" type="checkbox"/> Flow Line
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input checked="" type="checkbox"/> Green
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other: b	<input type="checkbox"/> Suds
			<input type="checkbox"/> Floatables

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b> None	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:
<b>Floatables:</b> None	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:	
<b>Color:</b> None	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red
<b>Turbidity:</b> None				<input type="checkbox"/> Gray	<input type="checkbox"/> Other:
					<input type="checkbox"/> Blue
					<input type="checkbox"/> Yellow

Sampling Results

Sample Location: None



DSCN6844.JPG

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 16-487 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6846.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 742,476.70

Easting: 2,342,708.01

### Outfall Notes:

Upstream manhole located approx 83 ft SW of outfall 16-487. Intermediate area consists of open space.

## Location Map



Inspection Date: 9/11/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 31

Notes:

Submerged in Sediment: No  
inches: 0



DSCN6847.JPG

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090911-08	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 0854	Total Copper (field): 0 ppm	
	pH (field): 8.13 units	Temperature: 71 °F

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 16-646

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 60  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☒ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 741,861.75  
Easting: 2,341,386.69



DSCN6581.JPG

### Outfall Notes:

GPS position not available - under bridge.  
Coordinates from MS4 map.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Trickle Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6582.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

### Sampling Results

Sample Location:	Flow	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090908-01	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	0910	Total Copper (field):	0 ppm		
		pH (field):	8.46 units	Temperature:	67 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 16-794

NR 216 Classification:  
Major Outfall

Structure: Open Channel  
Depth (ft): 2  
Top Width (ft): 8  
Bot. Width (ft): 0  
Material: Grass  
Shape: Parabolic



DSCN6590.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 745,437.24  
Easting: 2,341,042.44

### Outfall Notes:

Swale from US HWY 41 corridor into Lake Butte des Morts (west side of highway). Outfall partially submerged. Outfall screened upstream at SW-01 US1.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 7

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6591.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 16-794 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Open Channel

Depth (ft): 2

Top Width (ft): 8

Bot. Width (ft): 0

Material: Grass

Shape: Parabolic



DSCN6586.JPG

☐ Office Follow-up Required

☐ Field Follow-up Required

☐ Damaged

☐ Graffiti

☐ Significant Erosion

GPS Coordinates:

Northing: 745,379.33

Easting: 2,341,065.87

### Outfall Notes:

Swale from US HWY 41 corridor into Lake Butte des Morts (west side of highway). Upstream sample located approx 62 ft S of outfall SW-01. Intermediate area consists of highway right-of-way.

## Location Map



Inspection Date: 9/8/2009

Inspector: JCW

Flow Description: None

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No

inches: 0

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

☐ Oily ☐ Paint ☐ Flow Line ☐ Other:

#### Pipe Benthic Growth

☐ Brown ☐ Orange ☐ Green ☐ Other:

#### Abnormal Vegetation

☐ Inhibited ☐ Excessive

#### Poor Pool Quality

☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6588.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:

Floatables:

☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:

Color:

☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow

Turbidity:

☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 16-800

NR 216 Classification:  
Major Outfall

Structure: Open Channel  
Depth (ft): 2  
Top Width (ft): 10  
Bot. Width (ft): 0  
Material: Grass  
Shape: Parabolic



DSCN6596.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 745,518.46  
Easting: 2,341,219.67

### Outfall Notes:

Swale from US HWY 41 corridor into Lake Butte des Morts (east side of highway). Outfall partially submerged. Outfall screened upstream at SW-02 US1.

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 13

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6597.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 16-800 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Open Channel

Depth (ft): 2

Top Width (ft): 10

Bot. Width (ft): 0

Material: Grass

Shape: Parabolic



DSCN6593.JPG

☐ Office Follow-up Required

☐ Field Follow-up Required

☐ Damaged

☐ Graffiti

☐ Significant Erosion

GPS Coordinates:

Northing: 745,188.26

Easting: 2,341,264.32

### Outfall Notes:

Swale from US HWY 41 corridor into Lake Butte des Morts (east side of highway). Upstream sample located approx 333 ft S of outfall SW-02. Intermediate area consists of highway right-of-way and golf course property.

## Location Map



Inspection Date: 9/8/2009

Inspector: JCW

Flow Description: None

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No

inches: 0

Notes:

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

☐ Oily ☐ Paint ☐ Flow Line ☐ Other:

#### Pipe Benthic Growth

☐ Brown ☐ Orange ☐ Green ☐ Other:

#### Abnormal Vegetation

☐ Inhibited ☐ Excessive

#### Poor Pool Quality

☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6594.JPG

### Physical Indicators (In Flow, if outfall is flowing)

Odor:

☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:

Floatables:

☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:

Color:

☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow

Turbidity:

☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: 16-1200

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 24  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single



DSCN6578.JPG

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 743,780.89  
Easting: 2,339,935.13

### Outfall Notes:

## Location Map



Inspection Date: 9/8/2009 Inspector: JCW Flow Description: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: No  
inches: 0

Notes:

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:



DSCN6579.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- Odor:** ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:** ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:** ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:** ☐ Gray ☐ Other:

### Sampling Results

Sample Location: None

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: 16-1204

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	24
Height (in):	
Width (in):	
Material:	RCP
Shape:	Circular
Barrels:	Single



DSCN6575.JPG

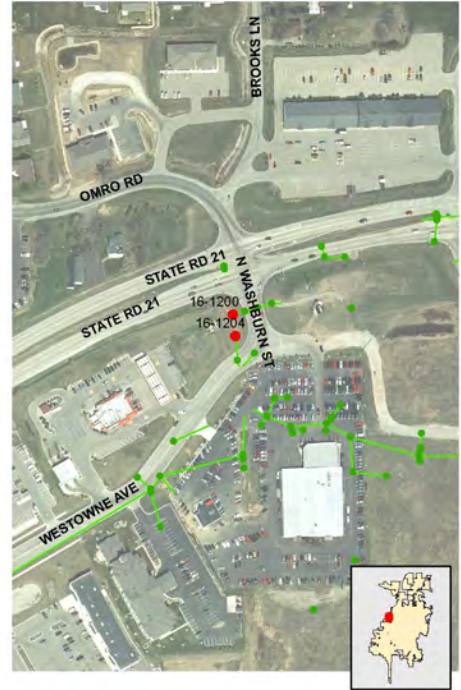
- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 743,728.44  
Easting: 2,339,941.72

### Outfall Notes:

## Location Map



<b>Inspection Date:</b> 9/8/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> None	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** Unlikely

Notes:

Submerged in Water: No  
inches: 0

Submerged in Sediment: No  
inches: 0

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input checked="" type="checkbox"/> Other: Dark riprap downstre
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:	
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:			

Sampling Results

Sample Location: None



DSCN6576.JPG

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: Canal\_a

NR 216 Classification:  
Major Outfall

Structure: Manhole



DSCN6839.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

### GPS Coordinates:

Northing: 738,559.72  
Easting: 2,346,024.81

### Outfall Notes:

CMP discharges to concrete box culvert (west pipe)

## Location Map



Inspection Date: 9/11/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially  
inches: 15

Notes: Sample collected from pool near west pipe.

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |  |
|----------------------------|--|--|--|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint | <input type="checkbox"/> Spalling/Cracking/Chipping  |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint         | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:                                   |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange        | <input type="checkbox"/> Green <input type="checkbox"/> Other:                                       |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive     |  |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input type="checkbox"/> Colors        | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:        |  |



DSCN6840.JPG

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location:	Pool	Total Chlorine (field):	0 ppm	Phenol:	0 mg/L
Sample ID:	090911-63	Free Chlorine (field):	0 ppm	Detergents:	0 mg/L
Time Collected:	0815	Total Copper (field):	0 ppm		
		pH (field):	8.52 units	Temperature:	69 °F

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: Canal\_b

NR 216 Classification:  
Major Outfall

Structure: Manhole



DSCN6839.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

### GPS Coordinates:

Northing: 738,553.77

Easting: 2,346,029.55

### Outfall Notes:

CMP discharges to concrete box culvert (east pipe)

## Location Map



Inspection Date: 9/11/2009

Inspector: JCW

Flow Description: Submerged, indeterminate

Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Submerged in Water: Partially

inches: 16

Notes: Sample collected from pool near east pipe.

Submerged in Sediment: No

inches: 0

### Physical Indicators (Outfall and Surrounding Area)

#### Outfall Damage

- ☐ Corrosion
- ☐ Peeling Paint
- ☐ Spalling/Cracking/Chipping

#### Deposits/Stains

- ☐ Oily
- ☐ Paint
- ☐ Flow Line
- ☐ Other:

#### Pipe Benthic Growth

- ☐ Brown
- ☐ Orange
- ☐ Green
- ☐ Other:

#### Abnormal Vegetation

- ☐ Inhibited
- ☐ Excessive

#### Poor Pool Quality

- ☐ Odors
- ☐ Colors
- ☐ Oil Sheen
- ☐ Suds
- ☐ Floatables
- ☐ Excessive Algae
- ☐ Other:



DSCN6841.JPG

### Physical Indicators (In Flow, if outfall is flowing)

#### Odor:

- ☐ Sewage
- ☐ Sulfide
- ☐ Rancid/Sour
- ☐ Petroleum
- ☐ Other:

#### Floatables:

- ☐ Sewage
- ☐ Suds
- ☐ Petroleum
- ☐ Other:

#### Color:

- ☐ Clear
- ☐ Brown
- ☐ Green
- ☐ Orange
- ☐ Red
- ☐ Blue
- ☐ Yellow

#### Turbidity:

- ☐ Gray
- ☐ Other:

### Sampling Results

Sample Location: Pool  
Sample ID: 090911-28  
Time Collected: 0820

Total Chlorine (field): 0 ppm  
Free Chlorine (field): 0 ppm  
Total Copper (field): 0 ppm  
pH (field): 8.49 units  
Phenol: 0 mg/L  
Detergents: 0 mg/L  
Temperature: 7 °F

Checked by: BDW 11/12/2009



# City of Oshkosh

## Outfall ID: FernauPond

NR 216 Classification:  
Major Outfall

Structure:	Closed Pipe
Diameter (in):	18
Height (in):	
Width (in):	
Material:	PVC
Shape:	Circular
Barrels:	Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

### GPS Coordinates:

Northing: 752,765.12  
Easting: 2,348,355.34



DSCN6297.JPG

### Outfall Notes:

Outlet from stormwater pond south of W. Fernau Ave.

## Location Map



<b>Inspection Date:</b> 9/2/2009	<b>Inspector:</b> JCW	<b>Flow Description:</b> None	<b>Previous Rainfall (hrs):</b> 72+
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**Illicit Discharge Potential:** Unlikely

Notes:

Submerged in Water: No  
inches: 0

Submerged in Sediment: No  
inches: 0

Physical Indicators (Outfall and Surrounding Area)

<b>Outfall Damage</b>	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Peeling Paint	<input type="checkbox"/> Spalling/Cracking/Chipping
<b>Deposits/Stains</b>	<input type="checkbox"/> Oily	<input type="checkbox"/> Paint	<input type="checkbox"/> Flow Line <input type="checkbox"/> Other:
<b>Pipe Benthic Growth</b>	<input type="checkbox"/> Brown	<input type="checkbox"/> Orange	<input checked="" type="checkbox"/> Green <input type="checkbox"/> Other:
<b>Abnormal Vegetation</b>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	
<b>Poor Pool Quality</b>	<input type="checkbox"/> Odors	<input type="checkbox"/> Colors	<input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Floatables
	<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Other:	

Physical Indicators (In Flow, if outfall is flowing)

<b>Odor:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:
<b>Floatables:</b>	<input type="checkbox"/> Sewage	<input type="checkbox"/> Suds	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Other:	
<b>Color:</b>	<input type="checkbox"/> Clear	<input type="checkbox"/> Brown	<input type="checkbox"/> Green	<input type="checkbox"/> Orange	<input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow
<b>Turbidity:</b>	<input type="checkbox"/> Gray	<input type="checkbox"/> Other:			

Sampling Results

Sample Location: None



DSCN6298.JPG

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: OSH-9424

NR 216 Classification:  
Major Outfall

Structure: Closed Pipe  
Diameter (in): 54  
Height (in):  
Width (in):  
Material: RCP  
Shape: Circular  
Barrels: Single

- ☐ Office Follow-up Required  
☐ Field Follow-up Required  
☐ Damaged  
☐ Graffiti  
☐ Significant Erosion

GPS Coordinates:

Northing: 737,919.92  
Easting: 2,351,829.86



DSCN6714.JPG

Outfall Notes:

Outfall partially submerged. Outfall screened upstream at OSH--9424 US1.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Suspect

Submerged in Water: Fully  
inches: 56

Notes:

Submerged in Sediment:  
inches:

Physical Indicators (Outfall and Surrounding Area)

- Outfall Damage** ☐ Corrosion ☐ Peeling Paint ☐ Spalling/Cracking/Chipping  
**Deposits/Stains** ☐ Oily ☐ Paint ☐ Flow Line ☐ Other:  
**Pipe Benthic Growth** ☐ Brown ☐ Orange ☐ Green ☐ Other:  
**Abnormal Vegetation** ☐ Inhibited ☐ Excessive  
**Poor Pool Quality** ☐ Odors ☐ Colors ☐ Oil Sheen ☐ Suds ☐ Floatables  
☐ Excessive Algae ☐ Other:

Physical Indicators (In Flow, if outfall is flowing)

- Odor:**  ☐ Sewage ☐ Sulfide ☐ Rancid/Sour ☐ Petroleum ☐ Other:  
**Floatables:**  ☐ Sewage ☐ Suds ☐ Petroleum ☐ Other:  
**Color:**  ☐ Clear ☐ Brown ☐ Green ☐ Orange ☐ Red ☐ Blue ☐ Yellow  
**Turbidity:**  ☐ Gray ☐ Other:

Sampling Results

Sample Location: None



DSCN6715.JPG

Checked by: BDW 11/12/2009

# City of Oshkosh

## Outfall ID: OSH-9424 US1

NR 216 Classification:

Major Outfall - Alternate Location

Structure: Manhole



DSCN6717.JPG

- ☐ Office Follow-up Required
- ☐ Field Follow-up Required
- ☐ Damaged
- ☐ Graffiti
- ☐ Significant Erosion

GPS Coordinates:

Northing: 737,948.07

Easting: 2,351,830.85

### Outfall Notes:

Upstream manhole located approx 28 ft N of outfall OSH--9424. Intermediate area consists of rip-rap shoreline.

## Location Map



Inspection Date: 9/9/2009 Inspector: JCW Flow Description: Submerged, indeterminate Previous Rainfall (hrs): 72+

### Illicit Discharge Potential: Suspect

Notes: Abnormal detergent analysis result (bubbles). Significant floatables in manhole. Brown color.

Submerged in Water: Fully  
inches: 61

Submerged in Sediment: No  
inches: 0

### Physical Indicators (Outfall and Surrounding Area)

- |                            |  |  |   |
|----------------------------|--|--|---|
| <b>Outfall Damage</b>      | <input type="checkbox"/> Corrosion       | <input type="checkbox"/> Peeling Paint     | <input type="checkbox"/> Spalling/Cracking/Chipping   |
| <b>Deposits/Stains</b>     | <input type="checkbox"/> Oily            | <input type="checkbox"/> Paint             | <input type="checkbox"/> Flow Line <input type="checkbox"/> Other:  |
| <b>Pipe Benthic Growth</b> | <input type="checkbox"/> Brown           | <input type="checkbox"/> Orange            | <input type="checkbox"/> Green <input type="checkbox"/> Other:  |
| <b>Abnormal Vegetation</b> | <input type="checkbox"/> Inhibited       | <input type="checkbox"/> Excessive         |   |
| <b>Poor Pool Quality</b>   | <input type="checkbox"/> Odors           | <input checked="" type="checkbox"/> Colors | <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input checked="" type="checkbox"/> Floatables |
|                            | <input type="checkbox"/> Excessive Algae | <input type="checkbox"/> Other:            |   |

### Physical Indicators (In Flow, if outfall is flowing)

- |                    |                                 |                                  |                                      |                                    |  |
|--------------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|
| <b>Odor:</b>       | <input type="checkbox"/> Sewage | <input type="checkbox"/> Sulfide | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum | <input type="checkbox"/> Other:  |
| <b>Floatables:</b> | <input type="checkbox"/> Sewage | <input type="checkbox"/> Suds    | <input type="checkbox"/> Petroleum   | <input type="checkbox"/> Other:    |  |
| <b>Color:</b>      | <input type="checkbox"/> Clear  | <input type="checkbox"/> Brown   | <input type="checkbox"/> Green       | <input type="checkbox"/> Orange    | <input type="checkbox"/> Red <input type="checkbox"/> Blue <input type="checkbox"/> Yellow |
| <b>Turbidity:</b>  | <input type="checkbox"/> Gray   | <input type="checkbox"/> Other:  |                                      |                                    |  |

### Sampling Results

Sample Location: Pool	Total Chlorine (field): 0 ppm	Phenol: 0 mg/L
Sample ID: 090909-57	Free Chlorine (field): 0 ppm	Detergents: 0 mg/L
Time Collected: 1130	Total Copper (field): 0 ppm	
	pH (field): 8.6 units	Temperature: 78 °F



DSCN6718.JPG

Checked by: BDW 11/12/2009



**Appendix C**  
Illicit Discharge Drainage Area  
Outfall C3-03





**Legend**

Municipal Boundary

Navigable Waterway

Storm Sewer Mains

Storm Sewer Manholes

Drainage Sub-basins

Major Outfall

Major Outfall (industrial)

Minor Outfall

Project Manager: BDW  
Project Engineer: JCW  
Drawn By: JCW  
Checked By: BDW  
Date: 11/20/2009

**CITY OF OSHKOSH IDDE INITIAL SCREENING**  
**ILLCIT DISCHARGE DRAINAGE AREA – OUTFALL 03-81**

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

SCALE:  
1" = 200'  
PROJECT NO.  
**N2029A09**  
FIGURE NO.  
**C-1**

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