



Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.

Report Period: From March, 2016 To March, 2017

Permit No. ILR40 0227

MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: VILLAGE OF ADDISON Mailing Address 1: 1 FRIENDSHIP PLAZA
Mailing Address 2: County: DuPage
City: ADDISON State: IL Zip: 60101 Telephone: 630-543-4100
Contact Person: RUDOLFO ESPEDIDO Email Address: REspedido@addison-il.org
(Person responsible for Annual Report)

Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

DUPAGE COUNTY - COPERMITTEE

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- | | | | |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach | <input type="checkbox"/> | 4. Construction Site Runoff Control | <input type="checkbox"/> |
| 2. Public Participation/Involvement | <input type="checkbox"/> | 5. Post-Construction Runoff Control | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))


Owner Signature:

Rudolfo Espedido

Printed Name:

5/2/2017
Date:

Village Engineer

Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

Village of Addison Annual Report Year 14

A. Public Education and Outreach

- ☒ A.1 Distributed Paper Material
- ☐ A.2 Speaking Engagement
- ☐ A.3 Public Service Announcement
- ☒ A.4 Community Event
- ☐ A.5 Classroom Education Material
- ☐ A.6 Other Public Education

B. Public Participation/Involvement

- ☐ B.1 Public Panel
- ☐ B.2 Educational Volunteer
- ☒ B.3 Stakeholder Meeting
- ☐ B.4 Public Hearing
- ☒ B.5 Volunteer Monitoring
- ☐ B.6 Program Coordination
- ☒ B.7 Other Public Involvement

C. Illicit Discharge Detection and Elimination

- ☒ C.1 Storm Sewer Map Preparation
- ☒ C.2 Regulatory Control Program
- ☒ C.3 Detection/Elimination Prioritization Plan
- ☒ C.4 Illicit Discharge Tracing Procedures
- ☒ C.5 Illicit Source Removal Procedures
- ☒ C.6 Program Evaluation and Assessment
- ☒ C.7 Visual Dry Weather Screening
- ☒ C.8 Pollutant Field Testing
- ☐ C.9 Public Notification
- ☐ C.10 Other Illicit Discharge Controls

D. Construction Site Runoff Control

- ☒ D.1 Regulatory Control Program
- ☒ D.2 Erosion and Sediment Control BMPs
- ☐ D.3 Other Waste Control Program
- ☒ D.4 Site Plan Review Procedures
- ☒ D.5 Public Information Handling Procedures
- ☒ D.6 Site Inspection/Enforcement Procedures
- ☐ D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

- ☐ E.1 Community Control Strategy
- ☒ E.2 Regulatory Control Program
- ☐ E.3 Long Term O&M Procedures
- ☒ E.4 Pre-Const Review of BMP Designs
- ☒ E.5 Site Inspections during Construction
- ☒ E.6 Post-Construction Inspections
- ☐ E.7 Other Post-Const Runoff Controls

F. Pollution Prevention/Good Housekeeping

- ☒ F.1 Employee Training Program
- ☒ F.2 Inspection and Maintenance Program
- ☒ F.3 Municipal Operations Storm Water Control
- ☒ F.4 Municipal Operations Waste Disposal
- ☐ F.5 Flood Management/Assess Guidelines
- ☐ F.6 Other Municipal Operations Control

SECTION B: Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified Best Management Practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

A. Public Education and Outreach

- ☒ **A.1 Distributed Paper Material**
- ☐ **A.2 Speaking Engagement**
- ☐ **A.3 Public Service Announcement**
- ☒ **A.4 Community Event**
- ☐ **A.5 Classroom Education Material**
- ☐ **A.6 Other Public Education**

ADDITIONAL VILLAGE COMPLETED TASKS:

The Village of Addison continues to distribute our own educational brochures. They are titled, “Guide to Storm Water Management,” “Guide to Protecting Our Water Quality,” “Guide to Best Management Practices,” and “Guide to Drainage Easements.” Additional brochures related to storm water management and water quality are currently being developed. Materials related to recycling, storm sewer stenciling, and dumping are distributed.

The Village of Addison also distributes various brochures produced by DuPage County, the Conservation Foundation and other agencies. The Village’s electronic monthly newsletter also periodically includes educational information released by the County, the Conservation Foundation and the Midwest Pesticide Action Center. In addition, the Village posts informational videos distributed by the County on the Village’s local cable station.

The Village of Addison sent an informational FAQ sheet to homeowners along drainage swales in May of 2010 regarding proper maintenance and landscaping. The sheet provided instruction on maintaining stream banks, preventing blockages, and controlling erosion.

B. Public Participation/Involvement

- ☐ **B.1 Public Panel**
- ☐ **B.2 Educational Volunteer**
- ☒ **B.3 Stakeholder Meeting**
- ☐ **B.4 Public Hearing**
- ☒ **B.5 Volunteer Monitoring**
- ☐ **B.6 Program Coordination**
- ☒ **B.7 Other Public Involvement**

ADDITIONAL VILLAGE COMPLETED TASKS:

The Village of Addison has a regular attendee of the Municipal Engineer's Meeting Group and has continued to assist in crafting Countywide ordinance revisions pertaining to protecting water quality with revised best management practice and illicit detection and discharge elimination requirements. The Village in conjunction with the rest of the group will continue its efforts on Water Quality improvement such as NPDES Phase II requirements, Soil and Erosion Control and Floodplain Ordinance revisions, Best Management Practices Manual and NPDES Outfall mapping, and Illicit Discharge and Detection Elimination.

The Village also continues to attend The DuPage River Salt Creek Workgroup (DRSCW) regular meetings, fund its annual fee, and offer available expertise as necessary.

Village staff made a presentation in March of 2017 about the MS4 program at a Village Board meeting to inform and allow for input from the community and public officials. Village staff will continue to discuss the MS4 program annually at a Village Board meeting.

The Village of Addison, in conjunction with Boy Scout Troop 410, coordinated a local River Sweep in Westwood Creek on August 8, 2016. We collected approximately 10, 30 gallon trash bags of debris, totaling about 50 pounds, from Westwood Creek. The Village of Addison Environmental Services Division assisted in the coordination of the event as well as the removal of debris. The Village of Addison Public Works Division disposed of all refuse.

C. Illicit Discharge Detection and Elimination

- ☒ **C.1 Storm Sewer Map Preparation**
- ☒ **C.2 Regulatory Control Program**
- ☒ **C.3 Detection/Elimination Prioritization Plan**
- ☒ **C.4 Illicit Discharge Tracing Procedures**
- ☒ **C.5 Illicit Source Removal Procedures**
- ☒ **C.6 Program Evaluation and Assessment**
- ☒ **C.7 Visual Dry Weather Screening**
- ☒ **C.8 Pollutant Field Testing**
- ☐ **C.9 Public Notification**
- ☐ **C.10 Other Illicit Discharge Controls**

ADDITIONAL VILLAGE COMPLETED TASKS:

The Village of Addison continues to revise its storm sewer atlases and provide updates on its GIS. Creek outfalls have been located with GPS equipment and have been inputted into the GIS.

The development of an illicit discharge detection and elimination (IDDE) program has been completed and a local IDDE manual has been submitted with the 2008 Notice of Intent. The IDDE program was fully implemented in March 2008. The IDDE program includes a prioritization plan, outfall visual screening, monitoring program, tracing, enforcement, and reporting. The IDDE manual was revised in March of 2016.

The Village of Addison had identified 61 outfalls, and each was visually inspected and the conditions recorded during the reporting period. All outfalls were normal, and records of the inspections are available for review in our office.

There were several investigations performed over the past year related to pollution in the storm sewer system and local streams:

- 1) During routine inspections in March, our IPT inspector noticed oil and grease in the storm drain at the back of O Nice Thai Restaurant, 74 W Lake St. A compliance inquiry letter was sent to the restaurant after it was determined that the company responsible for cleaning their kitchen exhaust system was dumping the oily washings down the storm drain directly behind O Nice Thai. The storm drains surrounding the facility will be checked periodically to ensure compliance.
- 2) During routine inspections in April, our IPT inspector noticed oil and grease mixed with water coming out of the back of a dump truck located at 135 W Fay Ave., C & J Scrap Metal. Oil control pillows were in place to stop grease from getting into our storm system, however, a sample was pulled from the affected storm drain and testing showed violations. The company has been fined and a boom placed into the storm drain to prevent the grease from migrating to Salt creek. We will continue to monitor this company.
- 3) During routine inspections in May, our IPT inspector noticed baking flour in the rear parking lot of Gold Coast Bakery located at 1405 W Fullerton Ave. Upon further investigation, the storm water drain in the rear parking lot was full of flour and oil and grease. The manager of Gold Coast was notified, his third warning, that Gold Coast needed to clean out the storm drain and cease cleaning their equipment outside. Gold Coast was issued a fine and citation for this offense since they have been verbally warned and issued a compliance inquiry letter prior to this excursion. This excursion happened in April.
- 4) On July 3rd, we were notified about a fish kill at the Army Trail Nature Center, Army Trail Rd and Lombard Rd. Field Testing indicated chlorine had been released into the pond by residents in the surrounding unincorporated area. It is believed that one or more residents had emptied their swimming pool (heavily chlorinated) into the drainage area behind their house, which then drains into the pond. The dead fish were removed and DuPage Co. Storm Water Management was notified.
- 5) On July 26th, we were notified of an illegal dumping of liquid waste into a storm drain located on Official Road. Upon notification to the company responsible, Amigo Tire Shop, 105 Official Rd., had the storm drains cleaned by Haz-Chem. Amigo Tire Shop has been fined for the illegal dumping and instructed on the proper disposal of their waste.
- 6) On July 28th, our dept. was notified of several dead ducks at Briar Hill pond. Upon arrival, our inspector noticed a construction company in the area performing maintenance and restoration work. Their construction dumpster was leaking waste, e.g. oil and grease, and draining into the storm drain which then drains into the pond. Testing at the site and in the Lab has shown no pollution in the storm drain or the pond. Sitar construction has been charged with the illegal discharge into a storm drain and the IEPA was notified of the incident.
- 7) A clean-up of Westwood Creek sweep was conducted on Aug. 8th by the Boy Scouts (Addison Troop 410) and our dept. A full report of our findings was sent to the Conservation Foundation. Please see attached pdf. *River Sweep 2016*.
- 8) An oil spill was reported to our dept. on Aug. 19th between Lake St and Rohlwing Rd. Several oil absorbing booms and Oil-Dri were used to clean up the spill. We were unable to locate the responsible spiller.

- 9) On 9/9/16, a request from the director of PW was received by our dept. to investigate 1045-1047 Westgate. Our inspector noted the illegal discharge of sewage overland from a sump pump pit. The hook up was re-routed to septic tank the following day.
- 10) An oil spill was reported to our dept. on Aug. 19th between Lake St and Rohlwing Rd. Several oil absorbing booms and Oil-Dri were used to clean up the spill. We were unable to locate the responsible spiller.
- 11) Gold Coast Bakery, 1405 Fullerton Ave, was found to have allowed waste from their garbage containers to enter their stormwater drain. The company is now in the process of obtaining lined garbage containers to avoid any further violations.
- 12) On Sept. 7th, 2016 we inspected the business at 121 W Fullerton, Precision Metal Services. Oil and grease was noticed seeping thru their outside of their south wall. The company will investigate the cause and fix the problem.
- 13) An oil spill (hydraulic) occurred on 10/14/16 at 1030 Deer Glen Ct. the hydraulic line burst on a piece of equipment owned by Avanti Corp. The spill in the road and sidewalk was cleaned up by the company that same day. The oil on the grass and soil will be cleaned up as well. We will re-inspect to ensure compliance.
- 14) A chemical spill was reported to the IEPA on 10/21/16 by Hazchem Environmental. The spill occurred at 150 S Church St. Unit D., Midwest Graphics Solutions of Illinois. The spill was cleaned out of the storm drains and the IEPA is following up with the company on their stormwater permit as well as their accidental spill control plan.
- 15) On 10/26/16, an oil sheen was noticed on the southbound lane of Westgate Street. The spill was found to be diesel and several oil booms were used by our dept. as well as Hazchem Environmental to contain the spill. Even though rain played a factor in the spread in the spill, the oil booms prevented any oil from entering the storm drains. The company responsible, Coronet Construction, 205 W Gerri Lane, will be fined for the spill.
- 16) IEPA storm water inspections were performed in Nov. at Metals & Services, 145 Swift Rd. and at Mid-West Graphic Solutions, 150 S Church. Our inspectors assisted in the inspections.
- 17) On Nov. 17th, 2016 during routine sampling, an oil spill was noticed at Mistica Foods, 50 W Commercial. The company has since cleaned up the area as well as their stormwater manholes. Our dept. and Community Development are currently working with Mistica Foods to ensure compliance with our stormwater concerns.
- 18) On Nov. 14th, 2016 our dept. was involved in the inspection of a sump pump discharge at 625 S Yale Ave. Our analysis of the discharge indicated sewage contaminated ground water. The owner has been instructed to repair his service line. As of 11/23/16 the line has been repaired.
- 19) On Nov. 15th, 2016 our dept. responded to a complaint from 215 Oak Leaf concerning sewage contaminated stormwater. The stormwater flows from unincorporated Bensenville, across Rt. 83 and then into Addison. DuPage Co. has been notified and is currently investigating the possible causes.
- 20) On 1/15/17, UPS, at 150 S Lombard Rd., had a truck fire that resulted in diesel fuel being released into their stormwater system. The contaminated water was held in their system by way of a valve. However, the contaminated water was eventually released to Addison without our consent and the IEPA was notified. UPS had a hazardous materials crew clean-up their facility as well as Addison's receiving streams. No environmental damage, to the best of our knowledge, was found. Addison continues to monitor our stormwater system for any residual diesel/oil violations with relation to this spill.

- 21) On 2-7-17, we received a call from Addison PD about a diesel spill at Vanport Warehousing, 350 S Rohlwing Rd. A diesel saddle tank had ruptured when a semi-tractor truck hit a guard rail while leaving Vanport Warehousing. The spill, which traveled from Vanport Warehousing to Windy City Truck Repair on Mitchell Ct., was cleaned up by Hazchem. The IEPA and IEMA were notified.
- 22) On 3/7/17, we received a call from Addison PD about a diesel on Westgate St. The spiller, ADM Global, had a puncture in their semi-tractor trailer's saddle tank. Hazchem was called out to clean-up the spill that was traced back to Grace St. The spiller was initially hesitant to pay for clean-up but was eventually convinced by the IEPA of their liability and agreed to pay. We continue to do periodic visual checks on the impacted stormwater basins.

Finally, the Village also performed periodic grab sampling and analysis at 21 of the 105 outfall points. A total of 56 screening samples were collected and 325 different field analyses were performed. Parameters tested included Metals, D.O., Temperature, Ammonia, Nitrate, Phosphate and pH. A summary of the monitoring data collected is attached in Section C. There were no high levels reported during the testing.

D. Construction Site Runoff Control

- ☒ **D.1 Regulatory Control Program**
- ☒ **D.2 Erosion and Sediment Control BMPs**
- ☐ **D.3 Other Waste Control Program**
- ☒ **D.4 Site Plan Review Procedures**
- ☐ **D.5 Public Information Handling Procedures**
- ☒ **D.6 Site Inspection/Enforcement Procedures**
- ☐ **D.7 Other Construction Site Runoff Controls**

ADDITIONAL VILLAGE COMPLETED TASKS:

Village of Addison staff continues to be a regular attendee of the Municipal Engineer's Meeting Group and continues to assist in crafting Countywide ordinance revisions pertaining to protecting water quality with revised Best Management Practices and Illicit Discharge and Detection Elimination. The Village in conjunction with the rest of the group will continue its efforts on Water Quality improvement such as NPDES Phase II requirements, Soil and Erosion Control and Floodplain Ordinance revisions, Best Management Practices Manual and NPDES Outfall mapping.

Site plan reviews greater than one acre and under NPDES Phase II are not only required to meet the County and the Village's ordinance, but also reviewed to satisfy many state requirements of the state ILR10 permit. These sites are required to pass an erosion and sediment controls inspection prior to disturbing the earth and are checked regularly by the engineering inspector.

Site plan reviews less than one acre are also required to meet the County and the Village's ordinance. Those permits receive attached details indicating how erosion and sediment controls are to be installed for small sites. Small sites are required to pass erosion and sediment controls inspection prior to disturbing the earth and are checked by building inspectors during most of the construction.

The Village issued Fifteen (15) stormwater permits during the 2016-2017 reporting year.

E. Post-Construction Runoff Control

- ☐ **E.1 Community Control Strategy**
- ☒ **E.2 Regulatory Control Program**
- ☐ **E.3 Long Term O&M Procedures**
- ☒ **E.4 Pre-Const Review of BMP Designs**
- ☒ **E.5 Site Inspections during Construction**
- ☒ **E.6 Post-Construction Inspections**
- ☐ **E.7 Other Post-Const Runoff Controls**

ADDITIONAL VILLAGE COMPLETED TASKS:

Village of Addison staff is a regular attendee of the Municipal Engineer's Meeting Group and continues to assist in crafting Countywide ordinance revisions pertaining to protecting water quality with Post Construction Best Management Practices. The Village in conjunction with the rest of the group will continue its efforts on Water Quality improvement such as NPDES Phase II requirements, Soil and Erosion Control and Floodplain Ordinance revisions, Best Management Practices Manual and NPDES Outfall mapping.

Site plan reviews greater than one acre and under NPDES Phase II are required not only to meet the County and the Village's ordinance, but also reviewed to satisfy many state requirements of the state ILR10 permit.

The BMP manual developed by a private consultant for the Countywide ordinance was adopted in 2008. The manual includes educational narratives, a BMP selection guidance, and technical specifications that appropriately reflect the county's urban setting, winter season, poorly draining soils, and flat topography. The Village has since required applicable sites to incorporate BMP's into the proposed plans. References are provided to developers for implementation of permanent, post-construction BMP's.

The DuPage County Stormwater and Floodplain Ordinance adopted in 2012 requires Post Construction Best Management Practices (PCBMP) for all sites where the Net New Impervious Area is 2,500 square feet or greater. The Village requires all applicable sites (residential, commercial and industrial) to implement PCBMP's to provide water quality and volume control.

Before accepting a completed project the Village requires record drawings to be approved and an environmental report, as necessary, be submitted. Final inspections are also performed to determine whether installed structures perform as designed and within Village parameters. Small sites also are required to provide post construction erosion and sediment controls such as sod or blanket in the parkway and swales prior to occupancy.

F. Pollution Prevention/Good Housekeeping

- ☒ **F.1 Employee Training Program**
- ☒ **F.2 Inspection and Maintenance Program**
- ☒ **F.3 Municipal Operations Storm Water Control**
- ☒ **F.4 Municipal Operations Waste Disposal**
- ☐ **F.5 Flood Management/Assess Guidelines**
- ☐ **F.6 Other Municipal Operations Controls**

ADDITIONAL VILLAGE COMPLETED TASKS:

Catch basin cleaning continues approximately every four years for storm sewer systems and every year for combined sewer systems. Street sweeping continues on a regular basis with all streets swept at least six times a year.

A training session on storm water pollution prevention was held with all Public Works employees on November 6, 2016. This year the training focused on Village of Addison's Hazardous Road Spill Training.

A training session was held at our North Plant Facility on Chemical & Petroleum Spills on 10/28/16. This session was focused on storm water regulations for reportable quantities for these types of spills and the reporting agency.

The Village also continues to attend The DuPage River Salt Creek Workgroup (DRSCW) regular meetings, fund its annual fee, and offer available expertise as necessary.

A summary of the reportable data for several of the municipal activities is as follows:

ANNUAL MS4 REPORT – MUNICIPAL OPERATIONS REPORT
TIME PERIOD: MARCH 1, 2016 TO MARCH 1, 2017

Street Sweeping (Minimum Control F.3):

2,845 Curb miles cleaned
3,528 Tons of debris removed from streets

Salt Usage (Minimum Control F.3):

961 Tons of salt used
6 Number of snow events (2” or greater)
14 Number of ice events
69 Tons of salt used per event

Sewer Catch Basin Cleaning (Minimum Control F.3):

605 # of Storm Sewer Catch Basins/Inlets cleaned and pumped (out of approx. 2200)
160 # of Combined Sewer Catch Basins/Inlets cleaned and pumped (out of approx. 160)

Training (Minimum Control F.1):

√ Completed annual Good Housekeeping/P2 training with all Public Works Employees (Date: 11/1/16)
√ Completed annual Salt Usage/Salt Loading training (Date: 12/4/16)
√ Completed annual Public Meeting (Date: 3/13/17)

SECTION C: Attach results of information collected and analyzed, including monitoring data, if any, during the reporting period.

See Attached Data.

SECTION D: Attach a summary of the stormwater activities you plan to undertake during the next reporting cycle (including an implementation schedule).

A. Public Education and Outreach

The Village, as time and knowledge allows, will continue to develop educational handouts related to storm water discharges and protecting and maintaining water quality discharged into the waterways. Community events will be offered to local groups from time to time.

The Village of Addison also distributes various brochures produced by DuPage County, the Conservation Foundation and other relevant organizations. The Village's electronic newsletter also periodically includes educational information released by the County, the Conservation Foundation, the Midwest Pesticide Action Center and other organizations. In addition, the Village posts informational videos distributed by DuPage County on the Village's local cable station along with links on the Village's facebook page.

B. Public Participation/Involvement

The Village of Addison, in conjunction with the Conservation Foundation and local Boy Scout Troops, will continue to coordinate and participate in local River Sweeps.

The Village will continue to meet and participate in the Municipal Engineer's Meeting Group and the DuPage County Water Quality Stakeholder Committee. Both groups meet on a regular basis to review and discuss program development as it pertains to storm water discharges and water quality. Discussions will include best management practices, illicit discharge detection and elimination, or other relevant discussions.

In the next reporting year, the BMP manual revision to the Ordinance and Technical Guidance Document to the Stormwater Management Committee will continue to be implemented.

Village staff will continue to discuss the MS4 program annually at a Village Board meeting.

C. Illicit Discharge Detection and Elimination

The development of an illicit discharge detection and elimination (IDDE) program has been completed and a local IDDE manual has been submitted with the 2008 Notice of Intent. The IDDE program was fully implemented in March 2008. The IDDE program includes a prioritization plan, outfall screening/monitoring program, tracing, enforcement, and reporting. The IDDE manual was revised in March of 2016.

The Village will continue to inspect and monitor the 21 primary storm sewer/waterway locations on a continuous basis. In addition, the Village of Addison had identified 61 outfalls, and each was visually inspected and the conditions recorded during the reporting period. All outfalls were normal, and records of the inspections are available for review in our office.

There were several investigations performed over the past year related to pollution in the storm sewer system and local streams.

D. Construction Site Runoff Control

The BMP related Ordinance changes have been adopted and Village staff have attended training workshops as offered by the DuPage County Water Quality Education Program. The Village will continue to conduct a minimum of two inspections for construction runoff site control per storm water permit issued.

E. Post-Construction Runoff Control

The Village will continue to use the Water Quality Stakeholder committee and Municipal Engineers Meeting Group to evaluate problematic areas of the post construction BMPs being utilized in DuPage County and make recommendations where necessary.

F. Pollution Prevention/Good Housekeeping

Training will be provided at least annually with the entire Public Works staff to review storm water impacts from each of the divisions' municipal operations. Training typically covers an overview of Addison's "Storm Water Pollution Prevention and Good Housekeeping Manual" and review of our chloride reduction programs. Training is typically held in the fall.

SECTION E: The 40 co-permittees listed in the cover letter rely on DuPage County to satisfy some of their permit obligations as applicable.

SECTION F: Attach a list of construction projects that your entity has paid for during the reporting period.

Village of Addison (ILR 40 MS4 Permit # 0227)

Location/Project Name	Category	Start Date – End Date
Storm Sewer Improvements – Various	Utility	Apr '16 – Nov '16
Motor Fuel Tax - Resurfacing	Transportation	July '16 – Oct '16
Village Green Improvements – Permeable Pavers, Drainage, Walkways, Lighting	Utility & Transportation	September '16 – Current
Watermain Improvements and Resurfacing – Army Trail Blvd & May St	Utility & Transportation	Oct '16 – March '17

ATTACHMENT

SECTION C

LOCATION: 18" SOUTH OF CHERRY

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/20/16	NF	1:45pm									68.0	44.0	0.00
6/1/16	N	1:50pm	7.12	64.9	7.04	0.13	0.10	0.06	0.62		71.0	64.0	0.98
7/12/16	NF	1:10pm									88.0	74.0	0.00
8/5/16	NF	9:45am									86.0	72.0	0.00
MAX			7.12	64.9	7.04	0.13	0.10	0.06	0.62		88.0	74.0	0.98
AVG.			7.12	64.9	7.04	0.13	0.10	0.06	0.62		78.3	63.5	0.25
MIN			7.12	64.9	7.04	0.13	0.10	0.06	0.62		68.0	44.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: **24" LAKE STREET**

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/20/16	NF	1:30pm									68.0	44.0	0.00
6/1/16	NF	1:30pm									71.0	64.0	0.98
7/12/16	NF	2:20pm									88.0	74.0	0.00
8/5/16	NF	9:15am									86.0	72.0	0.00
MAX											88.0	74.0	0.98
AVG.											78.3	63.5	0.25
MIN											68.0	44.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: 36"@PALMER (AJL)

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/20/16	N	2:10pm	7.31	60.0	7.51	0.11	0.05				68.0	44.0	0.00
5/27/16	N	2:30pm	6.86	73.9	6.34	0.08	0.04		0.76		81.0	66.0	0.26
7/12/16	NF	1:50pm									88.0	74.0	0.00
8/5/16	NF	9:25am									86.0	72.0	0.00
MAX			7.31	73.9	7.51	0.11	0.05		0.76		88.0	74.0	0.26
AVG.			7.09	67.0	6.93	0.10	0.05		0.76		80.8	64.0	0.07
MIN			6.86	60.0	6.34	0.08	0.04		0.76		68.0	44.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: **48"ADDISON & LORRAINE**

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/19/16	N	2:30pm	7.36	55.4	7.50	0.23	0.01	1.37		0.19	69.0	54.0	0.00
5/27/16	N	1:45pm	7.22	61.1	6.43	0.14	0.03		0.01	0.28	81.0	66.0	0.26
7/18/16	N	10:30am	7.21	66.0	6.92	0.16	0.11		0.68	0.33	88.0	71.0	0.00
7/25/16	N	2:40pm	6.98	72.1	6.58	0.08	0.31		0.42	0.33	81.0	72.0	0.00
MAX			7.36	72.1	7.50	0.23	0.31	1.37	0.68	0.33	88.0	72.0	0.26
AVG.			7.19	63.7	6.86	0.15	0.12	1.37	0.37	0.28	79.8	65.8	0.07
MIN			6.98	55.4	6.43	0.08	0.01	1.37	0.01	0.19	69.0	54.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: 54" ADDISON & ARMITAGE

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/19/16	N	3:00pm	7.50	57.6		0.10	0.09		0.04	0.01	69.0	54.0	0.00
5/27/16	N	2:00pm	7.37	64.2	8.23	0.13	0.01		0.01	0.01	81.0	66.0	0.26
7/18/16	N	10:15am	7.48	72.6	8.30	0.09	0.01		0.16		88.0	71.0	0.00
8/9/16	NF	2:45pm									88.0	67.0	0.00
MAX			7.50	72.6	8.30	0.13	0.09		0.16	0.01	88.0	71.0	0.26
AVG.			7.45	64.8	8.27	0.11	0.04		0.07	0.01	81.5	64.5	0.07
MIN			7.37	57.6	8.23	0.09	0.01		0.01	0.01	69.0	54.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: 72" ODEUM

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/13/16	NF	2:10pm									66.0	43.0	0.68
6/1/16	NF	1:40pm									71.0	64.0	0.98
7/11/16	NF	1:20pm									90.0	69.0	0.00
8/2/16	NF	2:45pm									87.0	67.0	0.00
MAX											90.0	69.0	0.98
AVG.											78.5	60.8	0.42
MIN											66.0	43.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: CENTENNIAL POND

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/17/16	N	1:45pm	7.51	59.1	8.30	0.10	0.06	0.03	0.57		57.0	44.0	0.00
6/1/16	N	2:55pm	6.94	78.7	8.75	0.05	0.07				85.0	61.0	0.00
7/19/16	N	10:40am	7.80	80.6	9.09	0.10	0.80	0.03	0.46		91.0	68.0	0.00
8/5/16	N	2:15pm	7.89	83.1	10.50	0.10	0.01	0.03	0.45		86.0	72.0	0.00
MAX			7.89	83.1	10.50	0.10	0.80	0.03	0.57		91.0	72.0	0.00
AVG.			7.54	75.4	9.16	0.09	0.24	0.03	0.49		79.8	61.3	0.00
MIN			6.94	59.1	8.30	0.05	0.01	0.03	0.45		57.0	44.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: **DAVEA POND**

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/18/16	N	10:20am	9.05	60.2	15.90	0.14	0.12	0.030	0.43		65.0	41.0	0.00
5/23/16	N	10:00am	9.52	69.6	14.96	0.08	0.01	0.030	0.14		65.0	48.0	0.00
7/14/16	N	2:45pm	9.44	84.0	17.08	0.01	0.04	0.377	0.76		88.0	67.0	0.00
8/3/16	N	10:40am	7.29	83.5	10.35	0.08	0.02	0.030	0.07		90.0	69.0	0.00
MAX			9.52	84.0	17.08	0.14	0.12	0.377	0.76		90.0	69.0	0.00
AVG.			8.83	74.3	14.57	0.08	0.05	0.117	0.35		77.0	56.3	0.00
MIN			7.29	60.2	10.35	0.01	0.01	0.030	0.07		65.0	41.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: **DIVERSEY AVE PUMP STATION**

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/13/16	NF	2:30pm									66.0	43.0	0.68
5/27/16	NF	3:00pm									81.0	66.0	0.26
7/11/16	NF	1:25pm									90.0	69.0	0.00
8/2/16	NF	10:50am									87.0	67.0	0.00
MAX											90.0	69.0	0.68
AVG.											81.0	61.3	0.24
MIN											66.0	43.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: **FULLERTON AT FAIRBANK**

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/16/16	N	3:00pm	7.97	63.0	11.80	0.04	0.01		0.33		70.0	46.0	0.00
5/23/16	N	3:00pm	7.65	69.0	10.20	0.23	0.09	0.05	0.24		65.0	48.0	0.00
7/19/16	N	1:45pm	7.18	72.4	6.88	0.08	0.12	0.18	0.33		91.0	68.0	0.00
8/2/16	N	10:45am	7.57	71.3	7.22	0.12	0.08	0.06	0.66		87.0	67.0	0.00
MAX			7.97	72.4	11.80	0.23	0.12	0.18	0.66		91.0	68.0	0.00
AVG.			7.59	68.9	9.03	0.12	0.08	0.10	0.39		78.3	57.3	0.00
MIN			7.18	63.0	6.88	0.04	0.01	0.05	0.24		65.0	46.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: **FULLERTON @STEWART**

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/18/16	N	1:45pm	8.33	66.3	12.75	0.01	0.08	0.03	0.04		65.0	41.0	0.00
6/17/16	N	1:35pm	6.98	80.8	7.80	0.01	0.01		1.38		85.0	61.0	0.00
7/19/16	N	1:15pm	6.83	81.6	8.10	0.01	0.01	0.03	0.75		91.0	68.0	0.00
8/10/16	N	10:00am	7.06	76.3	2.29	0.14	0.07	0.03	0.19		89.0	69.0	0.00
MAX			8.33	81.6	12.75	0.14	0.08	0.03	1.38		91.0	69.0	0.00
AVG.			7.30	76.3	7.74	0.04	0.04	0.03	0.59		82.5	59.8	0.00
MIN			6.83	66.3	2.29	0.01	0.01	0.03	0.04		65.0	41.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: **HAMPTON**

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/17/16	NF	2:00pm									57.0	44.0	0.00
6/1/16	N	2:00pm	6.88	78.7	5.61	0.01	0.13		2.15		85.0	61.0	0.00
6/7/16	N	2:30pm	7.00	71.2	7.14	0.10	0.15	0.12	0.77		67.0	51.0	0.00
7/14/16	N	2:30pm	6.85	79.8	3.14	0.01	0.01	1.04	0.74		88.0	67.0	0.00
8/1/16	N	2:30Ppm	6.85	82.1	5.07	0.08	0.21	0.09	0.10		84.0	65.0	0.00
MAX			7.00	82.1	7.14	0.10	0.21	1.04	2.15		88.0	67.0	0.00
AVG.			6.90	78.0	5.24	0.05	0.13	0.42	0.94		76.2	57.6	0.00
MIN			6.85	71.2	3.14	0.01	0.01	0.09	0.10		57.0	44.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: LAKE MANOR POND

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/18/16	N	1:00pm	7.95	67.7	15.40	0.08	0.02	0.03	0.38		65.0	41.0	0.00
5/23/16	N	2:15pm	8.04	79.1	12.11	0.05	0.01	0.03	0.54		65.0	48.0	0.00
7/12/16	N	2:10pm	6.99	81.2	5.60	0.01	0.01		0.69		88.0	74.0	0.00
8/2/16	C	10:10am	6.50	76.3	1.54	0.01	0.06	0.03	0.38	0.01	87.0	67.0	0.00
MAX			8.04	81.2	15.40	0.08	0.06	0.03	0.69	0.01	88.0	74.0	0.00
AVG.			7.37	76.1	8.66	0.04	0.03	0.03	0.50	0.01	76.3	57.5	0.00
MIN			6.50	67.7	1.54	0.01	0.01	0.03	0.38	0.01	65.0	41.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

8/2/16 Slight yellow color

LOCATION: MYRIC AVE. PUMP STATION

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/13/16	NF	2:25pm									66.0	43.0	0.68
5/27/16	NF	2:50pm									81.0	66.0	0.26
7/11/16	NF	1:35pm									90.0	69.0	0.00
8/2/16	NF	10:55am									87.0	67.0	0.00
MAX											90.0	69.0	0.68
AVG.											81.0	61.3	0.24
MIN											66.0	43.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: **OPUS POND EFFLUENT**

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/18/16	N	9:55am	8.58	61.1	12.5	0.05	0.02	0.03	0.43		65.0	41.0	0.00
6/7/16	NF	1:45pm									67.0	51.0	0.00
7/14/16	N	2:00pm	9.06	86.4	16.2	0.04	0.01	0.09	0.82		88.0	67.0	0.00
8/3/16	N	10:30am	7.11	84.3	13.0	0.06	0.04	0.03	0.39		90.0	69.0	0.00
MAX			9.06	86.4	16.2	0.06	0.04	0.09	0.82		90.0	69.0	0.00
AVG.			8.25	77.3	13.9	0.05	0.02	0.05	0.55		77.5	57.0	0.00
MIN			7.11	61.1	12.5	0.04	0.01	0.03	0.39		65.0	41.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: **REPUBLIC CURVE**

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/16/16	N	2:50pm	7.36	61.4	6.95	0.01	1.00		0.01		70.0	46.0	0.00
6/1/16	N	2:30pm	7.01	75.5	7.18	0.07	0.11		0.96		71.0	64.0	0.98
7/11/16	N	9:00am	6.90	68.0	6.20	0.01	0.01		0.70		90.0	69.0	0.00
8/5/16	N	10:10am	6.88	69.6	5.80		0.23		0.89		86.0	72.0	0.00
MAX			7.36	75.5	7.18	0.07	1.00		0.96		90.0	72.0	0.98
AVG.			7.04	68.6	6.53	0.03	0.34		0.64		79.3	62.8	0.25
MIN			6.88	61.4	5.80	0.01	0.01		0.01		70.0	46.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: **STEWART POND EFFLUENT**

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/16/16	N	2:40pm	8.42	64.3	12.13	0.04	0.06		0.01		70.0	46.0	0.00
5/23/16	N	1:55pm	9.38	79.5	14.90	0.01	0.27	0.030	0.80		65.0	48.0	0.00
7/11/16	N	9:25am	6.99	87.1	4.90	0.02	0.09		0.89		90.0	69.0	0.00
8/9/16	N	2:00pm	7.87	89.7	14.02	0.14	0.08		0.37		88.0	67.0	0.00
MAX			9.38	89.7	14.90	0.14	0.27	0.030	0.89		90.0	69.0	0.00
AVG.			8.17	80.2	11.49	0.05	0.13	0.030	0.52		78.3	57.5	0.00
MIN			6.99	64.3	4.90	0.01	0.06	0.030	0.01		65.0	46.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: **WESTWOOD @ LENORE**

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/13/16	N	2:55pm	7.34	65.2	6.90	0.04	0.18		0.01		66.0	43.0	0.48
5/23/16	N	10:55am	7.46	65.4	7.38	0.10	0.07	0.03	0.30		65.0	48.0	0.00
7/11/19	N	1:00pm	6.96	79.6	5.86	0.10	0.01		0.83		90.0	69.0	0.00
8/10/16	N	10:30am	6.83	77.3	5.16	0.07	0.01	0.06	0.88		89.0	69.0	0.00
MAX			7.46	79.6	7.38	0.10	0.18	0.06	0.88		90.0	69.0	0.48
AVG.			7.15	71.9	6.33	0.08	0.07	0.05	0.51		77.5	57.3	0.12
MIN			6.83	65.2	5.16	0.04	0.01	0.03	0.01		65.0	43.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: **WESTWOOD @ HOLTZ**

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NH3	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/18/16	N	10:45am	7.46	56.9	9.32	0.10	0.01	0.035	0.05		65.0	41.0	0.00
5/23/16	NF	10:35am									65.0	48.0	0.00
7/11/16	N	11:10am	6.96	77.5	7.30	0.06	0.02	0.035	0.66		90.0	69.0	0.00
8/1/16	N	2:40pm	6.90	77.7	7.02	0.08	0.21	0.040	0.06		84.0	65.0	0.00
MAX			7.46	77.7	9.32	0.10	0.210	0.040	0.66		90.0	69.0	0.00
AVG.			7.11	70.7	7.88	0.08	0.080	0.037	0.26		76.0	55.8	0.00
MIN			6.90	56.9	7.02	0.06	0.010	0.035	0.05		65.0	41.0	0.00

* N-Normal NF- No Flow S-Sheen F-Foam C-Colored

LOCATION: **PUMP & DAM**

	PHYS.			TEMP	DIS. OXY.	COPPER	ZINC	NITRATE	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
DATE	COND.*	TIME	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	HIGH TEMP.	LOW TEMP.	PRECIP.
5/16/16	NF	11:30am									70.0	46.0	0.00
6/17/16	NF	3:20pm									85.0	61.0	0.00
7/19/16	NF	9:50am									91.0	68.0	0.00
8/3/16	NF	1:30pm									90.0	69.0	0.00
MAX											91.0	69.0	0.00
AVG.											84.0	61.0	0.00
MIN											70.0	46.0	0.00

 N-Normal
 NF- No Flow
 S-Sheen
 F-Foam
 C-Colored

ATTACHMENT

STREAM MONITORING

Lab Streams Daily 5/1/2016 - 4/1/2017	NTP UPSTREAM CBOD MG/L	NTP UPSTREAM Diss Oxygen MG/L	NTP UPSTREAM Fecal Coliform #/100ML	NTP UPSTREAM Fluoride MG/L	NTP UPSTREAM FOGS Total MG/L	NTP UPSTREAM Hardness MG/L	NTP UPSTREAM Ammonia MG/L	NTP UPSTREAM pH SU	NTP UPSTREAM Phosphorus Total MG/L	NTP UPSTREAM Water Temp F DEG F	NTP UPSTREAM Solids TSS MG/L	NTP UPSTREAM Barium MG/L
5/19/2016	2.3	8.16	80.0	0.37	<1.0	324.0	0.13	7.86	0.98	56.50	10.8	0.051
6/9/2016	2.8	6.93	40.0	0.34	<1.0	426.0	0.21	7.78	1.09	65.50	19.2	0.039
8/10/2016	1.7	5.82	380.0	0.41	<1.0	234.0	0.14	7.31	2.23	74.70	26.8	0.032
9/15/2016	2.3	6.78	400.0	0.40		264.0	0.11	7.38	1.40	68.20	16.0	0.020
12/8/2016	<2.0	10.93	2,200.0	0.38	<1.0	266.0	0.13	7.96	2.26	40.60	15.2	0.030
1/12/2017	2.4	12.20	720.0	0.33	1.4	374.0	0.28	7.41	1.61	56.50	16.4	0.048
2/23/2017	3.9	8.38	965.0	0.38	1.3	320.0	0.46	7.04	1.38	51.80	14.8	0.037
3/16/2017	1.7	11.01	950.0		<1.0	340.0	0.08	7.11	1.33	39.70	8.0	0.035
Sum	<19.1	70.21	5,735.0	2.60	<7.7	2,548.0	1.52	59.85	12.28	453.50	127.2	0.292
Avg	<2.4	8.78	403.8	0.37	<1.1	318.5	0.19	7.48	1.54	56.69	15.9	0.037
Max	3.9	12.20	2,200.0	0.41	1.4	426.0	0.46	7.96	2.26	74.70	26.8	0.051
Min	1.7	5.82	40.0	0.33	<1.0	234.0	0.08	7.04	0.98	39.70	8.0	0.020

Lab Streams Daily 5/1/2016 - 4/1/2017	NTP UPSTREAM Beryllium MG/L	NTP UPSTREAM Cadmium MG/L	NTP UPSTREAM Chromium (total) MG/L	NTP UPSTREAM Copper MG/L	NTP UPSTREAM Iron MG/L	NTP UPSTREAM Lead MG/L	NTP UPSTREAM Manganese MG/L	NTP UPSTREAM Molybdenum UG/L	NTP UPSTREAM Nickel MG/L	NTP UPSTREAM Silver MG/L	NTP UPSTREAM Zinc MG/L
5/19/2016	<0.005	0.001	0.007	0.009	0.920	0.078	0.073	0.0	0.010	0.0140	0.027
6/9/2016	<0.005	0.002	<0.006	0.013	0.732	0.024	0.083	0.0	0.013	0.0170	0.032
8/10/2016	<0.005	<0.001	0.014	0.008	0.598	0.109	0.045	<0.0	0.006	0.0170	0.062
9/15/2016	<0.005	<0.001	0.023	0.007	0.798	0.056	0.053	0.0	0.017	0.0270	0.020
12/8/2016	<0.005	<0.001	<0.006	0.005	0.454	0.019	0.038	0.0	0.006	<0.0030	0.016
1/12/2017	<0.005	<0.001	<0.006	0.016	0.694	0.083	0.084	0.0	0.012	<0.0030	0.043
2/23/2017	<0.005	<0.001	<0.006	0.010	0.447	0.032	0.049	<0.0	0.008	<0.0030	0.045
3/16/2017	<0.005	<0.001	0.031	0.008	0.254	0.186	0.037	0.0	0.004	0.0080	0.022
Sum	<0.040	<0.009	<0.099	0.076	4.897	0.587	0.462	<0.1	0.076	<0.0920	0.267
Avg	<0.005	<0.001	<0.012	0.010	0.612	0.073	0.058	<0.0	0.010	<0.0115	0.033
Max	<0.005	0.002	0.031	0.016	0.920	0.186	0.084	<0.0	0.017	0.0270	0.062
Min	<0.005	<0.001	<0.006	0.005	0.254	0.019	0.037	<0.0	0.004	<0.0030	0.016

Lab Streams Daily 5/1/2016 - 4/1/2017	NTP UPSTREAM Alkalinity MG/L	NTP UPSTREAM Chloride MG/L	AJL UPSTREAM CBOD MG/L	AJL UPSTREAM Diss Oxygen MG/L	AJL UPSTREAM Fecal Coliform #/100ML	AJL UPSTREAM Fluoride MG/L	AJL UPSTREAM FOGS Total MG/L	AJL UPSTREAM Hardness MG/L	AJL UPSTREAM Ammonia MG/L	AJL UPSTREAM pH SU	AJL UPSTREAM Phosphorus Total MG/L
5/19/2016	200.0	217.0	1.6	8.34	40.0	0.42	<1.0	310.0	0.13	8.04	0.91
6/9/2016	175.0	207.0	2.4	7.11	40.0	0.32	<1.0	398.0	0.20	7.63	0.91
8/10/2016	160.0	181.5	1.4	6.25	230.0	0.45	<1.0	248.0	0.17	7.37	2.88
9/15/2016	160.0	162.0	1.8	7.03	320.0	0.38		256.0	0.11	7.34	1.68
12/8/2016	205.0	165.0	<2.0	11.04	1,660.0	0.40	<1.0	284.0	0.17	8.08	1.75
1/12/2017	250.0	432.5	2.4	12.10	840.0	0.31	<1.0	352.0	0.37	7.35	1.19
2/23/2017	275.0	432.5	2.1	8.89	1,100.0	0.30	1.0	300.0	0.32	7.17	1.79
3/16/2017	185.0	425.0	1.7	11.53	2,400.0		<1.0	340.0	0.14	7.26	1.23
Sum	1,610.0	2,222.5	<15.2	72.29	6,630.0	2.57	<7.0	2,488.0	1.59	60.24	12.34
Avg	201.3	277.8	<1.9	9.04	379.9	0.37	<1.0	311.0	0.20	7.53	1.54
Max	275.0	432.5	2.4	12.10	2,400.0	0.45	1.0	398.0	0.37	8.08	2.88
Min	160.0	162.0	1.4	6.25	40.0	0.30	<1.0	248.0	0.11	7.17	0.91

Lab Streams Daily 5/1/2016 - 4/1/2017	AJL UPSTREAM Water Temp F DEG F	AJL UPSTREAM Solids TSS MG/L	AJL UPSTREAM Barium MG/L	AJL UPSTREAM Beryllium MG/L	AJL UPSTREAM Cadmium MG/L	AJL UPSTREAM Chromium (total) MG/L	AJL UPSTREAM Copper MG/L	AJL UPSTREAM Iron MG/L	AJL UPSTREAM Lead MG/L	AJL UPSTREAM Manganese MG/L	AJL UPSTREAM Molybdenum UG/L	AJL UPSTREAM Nickel MG/L
5/19/2016	56.80	18.0	0.046	<0.005	0.001	<0.006	0.010	0.873	0.024	0.066	0.0	0.010
6/9/2016	66.20	33.6	0.039	<0.005	0.001	<0.006	0.011	1.312	0.017	0.086	0.0	0.014
8/10/2016	75.40	30.8	0.034	<0.005	<0.001	<0.006	0.009	0.677	0.097	0.042	<0.0	0.009
9/15/2016	69.40	28.0	0.025	<0.005	<0.001	<0.005	0.009	1.125	0.060	0.059	<0.0	0.019
12/8/2016	38.30	12.0	0.028	<0.005	<0.001	0.009	0.002	0.367	0.023	0.033	0.0	0.004
1/12/2017	57.90	36.0	0.061	<0.005	<0.001	<0.006	0.008	1.995	0.082	0.119	0.0	0.019
2/23/2017	53.80	19.6	0.041	<0.005	<0.001	<0.006	<0.005	0.940	0.022	0.057	<0.0	0.010
3/16/2017	41.00	9.6	0.038	<0.005	<0.001	0.029	0.006	0.317	0.185	0.041	0.0	0.004
Sum	458.80	187.6	0.312	<0.040	<0.008	<0.073	<0.060	7.606	0.510	0.503	<0.1	0.089
Avg	57.35	23.5	0.039	<0.005	<0.001	<0.009	<0.008	0.951	0.064	0.063	<0.0	0.011
Max	75.40	36.0	0.061	<0.005	0.001	0.029	0.011	1.995	0.185	0.119	<0.0	0.019
Min	38.30	9.6	0.025	<0.005	<0.001	<0.005	0.002	0.317	0.017	0.033	0.0	0.004

Lab Streams Daily 5/1/2016 - 4/1/2017	AJL UPSTREAM Silver MG/L	AJL UPSTREAM Zinc MG/L	AJL UPSTREAM Alkalinity MG/L	AJL UPSTREAM Chloride MG/L	AJL DOWNSTREAM CBOD MG/L	AJL DOWNSTREAM Diss Oxygen MG/L	AJL DOWNSTREAM Fecal Coliform #/100ML	AJL DOWNSTREAM Fluoride MG/L	AJL DOWNSTREAM FOGS Total MG/L	AJL DOWNSTREAM Hardness MG/L
5/19/2016	0.0150	0.022	175.0	231.3	1.7	8.80	100.0	0.43	<1.0	292.0
6/9/2016	0.0150	0.037	165.0	209.0	2.4	6.80	140.0	0.30	<1.0	416.0
8/10/2016	0.0080	0.024	150.0	176.5	1.8	5.97	210.0	0.48	<1.0	272.0
9/15/2016	0.0230	0.026	150.0	160.0	1.8	7.00	390.0	0.44		260.0
12/8/2016	<0.0030	0.028	215.0	177.5	<2.0	11.04	1,540.0	0.46	<1.0	270.0
1/12/2017	<0.0030	0.052	225.0	407.5	2.8	12.00	1,180.0	0.27	<1.0	340.0
2/23/2017	<0.0030	0.028	235.0	405.0	1.5	8.95	1,185.0	0.30	<1.0	290.0
3/16/2017	<0.0030	0.024	175.0	410.0	1.9	11.73	1,150.0		<1.0	324.0
Sum	<0.0730	0.241	1,490.0	2,176.8	<15.8	72.29	5,895.0	2.67	<7.0	2,464.0
Avg	<0.0091	0.030	186.3	272.1	<2.0	9.04	480.5	0.38	<1.0	308.0
Max	0.0230	0.052	235.0	410.0	2.8	12.00	1,540.0	0.48	<1.0	416.0
Min	<0.0030	0.022	150.0	160.0	1.5	5.97	100.0	0.27	<1.0	260.0

Lab Streams Daily 5/1/2016 - 4/1/2017	AJL DOWNSTREAM Ammonia MG/L	AJL DOWNSTREAM pH SU	AJL DOWNSTREAM Phosphorus Total MG/L	AJL D DOWNSTREAM Water Temp F DEG F	AJL DOWNSTREAM Solids TSS MG/L	AJL DOWNSTREAM Barium MG/L	AJL DOWNSTREAM Beryllium MG/L	AJL DOWNSTREAM Cadmium MG/L	AJL DOWNSTREAM Chromium (total) MG/L	AJL DOWNSTREAM Copper MG/L
5/19/2016	0.12	8.11	1.06	56.50	18.4	0.053	<0.005	0.001	<0.006	0.008
6/9/2016	0.20	7.29	0.95	66.40	32.0	0.039	<0.005	0.001	<0.006	0.011
8/10/2016	0.13	7.34	2.96	75.40	28.8	0.034	<0.005	<0.001	<0.006	0.008
9/15/2016	0.94	7.03	1.98	66.40	37.6	0.024	<0.005	<0.001	0.016	0.011
12/8/2016	0.16	8.16	1.75	37.80	7.6	0.027	<0.005	<0.001	0.009	0.002
1/12/2017	0.43	7.26	1.15	58.50	40.8	0.056	<0.005	<0.001	0.006	0.008
2/23/2017	0.33	7.30	2.13	54.10	21.6	0.041	<0.005	<0.001	<0.006	0.006
3/16/2017	0.11	7.09	1.34	40.60	10.0	0.039	<0.005	<0.001	0.032	0.006
Sum	2.41	59.58	13.32	455.70	196.8	0.313	<0.040	<0.008	<0.087	0.060
Avg	0.30	7.45	1.67	56.96	24.6	0.039	<0.005	<0.001	<0.011	0.008
Max	0.94	8.16	2.96	75.40	40.8	0.056	<0.005	0.001	0.032	0.011
Min	0.11	7.03	0.95	37.80	7.6	0.024	<0.005	<0.001	<0.006	0.002

Lab Streams Daily 5/1/2016 - 4/1/2017	AJL DOWNSTREAM Iron MG/L	AJL DOWNSTREAM Lead MG/L	AJL DOWNSTREAM Manganese MG/L	AJL DOWNSTREAM Molybdenum UG/L	AJL DOWNSTREAM Nickel MG/L	AJL DOWNSTREAM Silver MG/L	AJL DOWNSTREAM Zinc MG/L	AJL DOWNSTREAM Alkalinity MG/L	AJL DOWNSTREAM Chloride MG/L
5/19/2016	0.562	0.016	0.062	0.0	0.010	0.0130	0.021	180.0	240.0
6/9/2016	0.971	0.016	0.085	0.0	0.015	0.0170	0.033	160.0	206.5
8/10/2016	0.705	0.099	0.044	<0.0	0.016	0.0080	0.022	175.0	169.5
9/15/2016	1.401	0.056	0.068	<0.0	0.018	0.0240	0.024	175.0	166.5
12/8/2016	0.367	0.023	0.033	0.0	0.004	<0.0030	0.024	150.0	167.5
1/12/2017	1.877	0.087	0.105	0.0	0.016	<0.0030	0.058	215.0	387.5
2/23/2017	0.877	0.036	0.059	<0.0	0.010	<0.0030	0.029	225.0	385.0
3/16/2017	0.321	0.199	0.037	0.0	0.005	0.0050	0.023	165.0	395.0
Sum	7.081	0.496	0.493	<0.1	0.094	<0.0760	0.234	1,445.0	2,117.5
Avg	0.885	0.071	0.062	<0.0	0.012	<0.0095	0.029	180.6	264.7
Max	1.877	0.199	0.105	<0.0	0.018	0.0240	0.058	225.0	395.0
Min	0.321	0.016	0.033	0.0	0.004	<0.0030	0.021	150.0	166.5