

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
ANNUAL FACILITY INSPECTION REPORT  
NPDES PERMIT FOR STORM WATER DISCHARGES  
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)**

Complete each section of this report.

Reporting Period from: March, 2009 To: March, 2010 Permit Number : ILR400227

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

Name: VILLAGE OF ADDISON Telephone: 630-543-4100

Mailing Address: ONE FRIENDSHIP PLAZA

City: ADDISON State: IL Zip: 60101 County: DUPAGE

Contact Person: RUDOLFO ESPEDIDO, VILLAGE ENGINEER

(Person responsible for Annual Report)

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

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

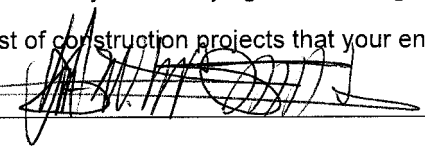
B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum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

Signature: 

Date: 5/10/2010

*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))*

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto:epa.ms4annualinsp@illinois.gov)

or Mail to: Illinois Environmental Protection Agency, DWPC  
Compliance Assurance Section #19  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

## Village of Addison Annual Report Year 7

### 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,” and “Guide to Best Management Practices.” 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.

**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.

The Village of Addison, in conjunction with the Conservation Foundation, coordinated two local River Sweep events in Westwood Creek and Salt Creek. A group of residents cleaned a section of Salt Creek on May 16, 2009 during the County-wide River Sweep event. Secondly, on August 24, 2009, the local Boy Scout Troop #410 from Addison provided 10 volunteers and cleaned a section of Westwood Creek from Addison Rd. to Rozanne Dr. The Village of Addison assisted with event coordination, and disposal of all materials

Water monitoring kits were distributed to science students at Addison Trail High School in the fall of 2009. Sampling was initiated at several key outfalls. The students will continue to collect and analyze samples in the fall and spring of each year as time permits. There were no unusual concentrations found during the reporting period. There was one instance of a colored discharge discovered by the students and investigated by our department. No source was found, and the color dissipated.

**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 screening/monitoring program, tracing, enforcement, and reporting.

There were no illicit discharges discovered during routine monitoring by the Village of Addison during the reporting year.

The Village also performed periodic sampling and monitoring at 18 of the 58 outfall points within the Village of Addison along Salt Creek, Westwood Creek, and Fullerton Creek. A total of 125 screening samples were collected. Parameters tested included Metals, D.O., Petroleum Hydrocarbons, Temperature, and pH. A summary of the data collected is attached in Section C. Additional parameters have been added for future sampling, including; ammonia, nitrate, and phosphate.

**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 Eighteen (18) stormwater permits during the 2009 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 not only 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.

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 and 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 three years for storm sewer systems and more or less every year for combined sewer systems. Street sweeping continues on a regular basis with all streets swept at least two times a year.

The Village has also completed development of a "Storm Water Pollution Prevention and Good Housekeeping Manual" for the Public Works Department. The manual identifies 8 essential municipal operations with potential storm water impact, including:

- 1) Fleet cleaning and maintenance
- 2) Curb inlet and catch basin cleaning
- 3) Street sweeping and debris disposal
- 4) Salt storage and loading
- 5) Salt usage
- 6) Spoils piles storage
- 7) Spill Prevention
- 8) Herbicide/Pesticide use and management

Best management Practices and measurable goals have been created for each of the 8 above operations. A copy of the manual has been submitted with the 2008 Notice of Intent for the Village. A short training session was provided to all division foremen during distribution of the manual.

To ensure proper implementation of “Good Housekeeping Operations” an in-house training program has also been developed and will be conducted at least once annually.

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

**ANNUAL MS4 REPORT – MUNICIPAL OPERATIONS REPORT**  
**TIME PERIOD: MARCH 1, 2009 TO MARCH 1, 2010**

Street Sweeping (Minimum Control F.3):

**5,609.5** Curb miles cleaned

**1,500** Tons of debris removed from streets

Salt Usage (Minimum Control F.3):

**2,000** Tons of salt used

**10** Number of snow events (2” or greater)

**25** Number of ice events

**80** Tons of salt used per event

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

**154** # of Catch Basins/Inlets cleaned and pumped out of approx. 2200

**68** # of Catch Basins/Inlets cleaned and pumped out of approx. 160 (Combined)

Training (Minimum Control F.1):

Completed annual Good Housekeeping/P2 training (Scheduled for June 2010)

Completed annual Salt Usage/Salt Loading training (Date: 9/24/09,10/01/09)

Completed initial and new employee training on Job Task Pollution Prevention



**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.

**B. Public Participation/Involvement**

The Village of Addison, in conjunction with the Conservation Foundation, coordinated two local River Sweep events in Westwood Creek and Salt Creek. A group of residents cleaned a section of Salt Creek on May 16, 2009 during the County-wide River Sweep event. Secondly, on August 24, 2009, the local Boy Scout Troop #410 from Addison provided 10 volunteers and cleaned a section of Westwood Creek from Addison Rd. to Rozanne Dr. The Village of Addison assisted with event coordination, and disposal of all materials.

Water monitoring kits were distributed to science students at Addison Trail High School in the fall of 2009. Sampling was initiated at several key outfalls. The students will continue to collect and analyze samples in the fall and spring of each year as time permits. There were no unusual concentrations found during the reporting period. There was one instance of a colored discharge discovered by the students and investigated by our department. No source was found, and the color dissipated.

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.

### **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.

There were no illicit discharges discovered during routine monitoring by the Village of Addison during the reporting year.

Finally, the Village also performed periodic sampling and monitoring at 18 of the 58 outfall points. A total of 125 screening samples were collected. Parameters tested included Metals, D.O., Petroleum Hydrocarbons, Temperature, and pH. A summary of the data collected is attached in Section C. Additional parameters have been added for future sampling, including ammonia, nitrate, and phosphate.

### **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**

Based on completed session surveys and suggestions, the Village will evaluate the procedures for pollution prevention and good housekeeping effectiveness and improve training as necessary. The Village will also offer refresher training sessions to previous attendees that will include updates.

**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)**

<b>Location/Project Name</b>	<b>Category</b>	<b>Start Date – End Date</b>
<b>Addison Rd Improvements b/n North Ave and Lake St</b>	Transportation	May 09 – Mar 10
<b>Sidney Ave Improvements b/n Addison Rd and Iowa Ave</b>	Transportation	May 09 – Mar 10
<b>Storm Sewer Improvements – Various</b>	Utility	Apr 09 – Nov 09
<b>Motor Fuel Tax - Resurfacing</b>	Transportation	Apr 09 – Aug 09

## **ATTACHMENT**

### **SECTION C**

**Results of information collected and analyzed, including monitoring**

Illinois Environmental Protection Agency – Annual Facility Inspection Report – NPDES Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4)  
 March 2009 – March 2010  
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LOCATION: **48" @ ADDISON & LORRAINE**

<u>DATE</u>	<u>PHYS.</u>		<u>pH</u>	<u>TEMP</u> <u>(C°)</u>	<u>DIS.</u> <u>OXY.</u> <u>(Mg/L)</u>	<u>COPPER</u> <u>(Mg/L)</u>	<u>ZINC</u> <u>(Mg/L)</u>	<u>PETROL.</u> <u>HYDRO.</u>	<u>LAST 24 HRS</u>		<u>LAST 24 HRS</u> <u>PRECIP.</u>	<u>LAST 48 HRS</u> <u>PERCIP.</u>
	<u>COND.*</u>	<u>TIME</u>							<u>HIGH TEMP.</u>	<u>LOW TEMP.</u>		
5/28/09	N	1:55 PM	7.79	16.0	8.2				63	55	0.00	0.03
6/4/09	N	12:52PM	7.84	17.0	8.3	0.03	0.18		54	43	0.00	0.16
6/10/09	N	7:55 AM	7.76	16.5	8.3	0.07	0.02		57	55	0.00	0.53
7/10/09	N	10:00AM	7.76	20.9	8.0	0.05	0.02					
<b>MAX</b>			7.8	20.9	8.3	0.1	0.2		62.7	54.8		0.5
<b>AVG.</b>			7.8	17.6	8.2	0.1	0.1		57.7	50.7		0.2
<b>MIN</b>			7.8	16.0	8.0	0.0	0.0		53.8	42.5		0.0

\* N- Normal    S- Sheen    F-Foam    C- Colored

LOCATION: **REPUBLIC  
 CURVE**

<u>DATE</u>	<u>PHYS.</u>		<u>pH</u>	<u>TEMP</u> <u>(C°)</u>	<u>DIS.</u> <u>OXY.</u> <u>(Mg/L)</u>	<u>COPPER</u> <u>(Mg/L)</u>	<u>ZINC</u> <u>(Mg/L)</u>	<u>PETROL.</u> <u>HYDRO.</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 48</u> <u>HRS</u>
	<u>COND.*</u>	<u>TIME</u>							<u>HIGH</u> <u>TEMP.</u>	<u>LOW</u> <u>TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
5/13/09	N	8:46 AM	8.17	15.5	8.4				71	40	0.00	0.00
5/27/09	N	2:00 PM	7.26	18.1	7.0				74	54	2.19	2.21
6/3/09	N	1:20 PM	7.32	15.0	7.7	0.18	0.08		54	49	0.16	0.53
6/9/09	N	1:30 PM 10:43	8.46	21.5	8.7	0.05			65	59	0.53	0.03
7/9/09	N	AM	7.27	20.3	8.0				68	61	0.08	0.00
8/7/09	N	1:50PM	7.15	20.8	7.9	0.02	0.00					
<b>MAX</b>			8.5	21.5	8.7	0.2	0.1		73.5	60.5	2.2	
<b>AVG.</b>			7.6	18.5	7.9	0.1	0.0		66.2	52.5	0.6	
<b>MIN</b>			7.2	15.0	7.0	0.0			53.9	40.0		

\* N- Normal    S- Sheen    F- Foam    C- Colored

Illinois Environmental Protection Agency – Annual Facility Inspection Report – NPDES Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4)  
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LOCATION: **54" @ ADDISON & ARMITAGE**

<u>DATE</u>	<u>PHYS.</u>		<u>pH</u>	<u>TEMP</u> <u>(C°)</u>	<u>DIS.</u> <u>OXY.</u> <u>(Mg/L)</u>	<u>COPPER</u> <u>(Mg/L)</u>	<u>ZINC</u> <u>(Mg/L)</u>	<u>PETROL.</u> <u>HYDRO.</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 48</u> <u>HRS</u>
	<u>COND.*</u>	<u>TIME</u>							<u>HIGH</u> <u>TEMP.</u>	<u>LOW TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
5/28/09	N	1:55 PM	7.76	16.0	8.2				63	55	0.00	0.03
6/4/09	DRY											
6/5/09	N	1:20 PM	8.22	17.4		0.06	0.02		62	45	0.00	0.00
6/10/09	N	8:05 AM	9.68	15.6	8.6	0.06	0.02		57	55	0.00	0.53

<b>MAX</b>			9.7	17.4	8.6	0.1	0.0		62.0	54.8		
<b>AVG.</b>			9.0	16.5	8.6	0.1	0.0		59.3	50.0		
<b>MIN</b>			8.2	15.6	8.6	0.1	0.0		56.5	45.1		

\* N- Normal      S- Sheen      F-Foam      C- Colored

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Sewer Systems (MS4)  
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LOCATION: **24" @ LAKE STREET**

<u>DATE</u>	<u>PHYS.</u>		<u>pH</u>	<u>TEMP</u> <u>(C°)</u>	<u>DIS.</u> <u>OXY.</u> <u>(Mg/L)</u>	<u>COPPER</u> <u>(Mg/L)</u>	<u>ZINC</u> <u>(Mg/L)</u>	<u>PETROL.</u> <u>HYDRO.</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 48 HRS</u>
	<u>COND.*</u>	<u>TIME</u>							<u>HIGH</u> <u>TEMP.</u>	<u>LOW</u> <u>TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
5/13/09	N	9:35 AM	7.54	14.2	8.8				71	40	0.00	0.00
5/28/09	N	1:15 PM	7.63	17.3	7.2				63	55	0.00	0.03
6/5/09	N	1:45 PM	7.81	19.0	8.5				62	45	0.00	0.00
7/9/09	N	9:47 AM	7.73	23.2	7.8				68	61	0.08	0.00
7/20/09	N	9:25 AM	7.63	20.2	8.0				61	54	0.00	0.00
8/6/09	N	1:57PM	8.12	19.5	7.6							
8/11/09	N	2:55 PM	7.15	22.5	5.4							
<b>MAX</b>			8.1	23.2	8.8				71.0	60.5	0.1	
<b>AVG.</b>			7.7	19.4	7.6				64.8	50.9	0.0	
<b>MIN</b>			7.2	14.2	5.4				60.5	40.0		

\* N- Normal    S- Sheen    F-Foam    C- Colored



Illinois Environmental Protection Agency – Annual Facility Inspection Report – NPDES Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4)  
 March 2009 – March 2010  
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LOCATION: **LAKE MANOR POND**

DATE	PHYS.		pH	TEMP (C°)	DIS. OXY. (Mg/L)	COPPER (Mg/L)	ZINC (Mg/L)	PETROL. HYDRO.	LAST 24 HRS	LAST 24 HRS	LAST 24 HRS	LAST 48 HRS
	COND.*	TIME							HIGH TEMP.	LOW TEMP.	PRECIP.	PERCIP.
5/12/09	N	10:45 AM	8.56	20.2	12.8				62	40	0.00	0.00
5/28/09	N	1:05 PM	7.39	17.5	6.1				63	55	0.00	0.03
6/1/09	N	1:35 AM	8.02	22.3	11.1				61	56	0.50	0.50
6/8/09	N	2:35 PM	7.92	21.5	8.7				62	53	0.43	0.03
6/17/09	N	3:05 PM	7.85	22.4	8.0							
6/24/09	N	8:05 AM	7.60									
6/30/09	N	9:15 AM	8.05	22.5	7.5							
7/9/09	N	10:15 AM	7.83	22.1	4.9				68	61	0.08	0.00
8/4/09	N	1:30 PM	8.28	26.6	9.2				74	68	0.00	0.05
8/12/09	N	10:32 AM	7.54	25.3	7.0							
<b>MAX</b>			8.6	26.6	12.8				73.7	68.4	0.5	
<b>AVG.</b>			7.9	22.3	8.4				64.7	55.3	0.2	
<b>MIN</b>			7.4	17.5	4.9				60.5	39.5		

\* N-Normal    S-Sheen    F-Foam    C-Colored

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LOCATION: **36" @ PALMER (AJL PLANT)**

<u>DATE</u>	<u>PHYS.</u>		<u>pH</u>	<u>TEMP (C°)</u>	<u>DIS. OXY. (Mg/L)</u>	<u>COPPER (Mg/L)</u>	<u>ZINC (Mg/L)</u>	<u>PETROL. HYDRO.</u>	<u>LAST 24 HRS</u>	<u>LAST 24 HRS</u>	<u>LAST 24 HRS</u>	<u>LAST 48 HRS</u>
	<u>COND.*</u>	<u>TIME</u>							<u>HIGH TEMP.</u>	<u>LOW TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
6/8/09	N	2:05 PM 10:15	7.54	17.9	7.2				62	53	0.43	0.03
7/1/09	N	AM	7.57	20.8	6.2	0.02	0.04					
7/10/09	N	9:15AM	7.55	21.2	6.7	0.04	0.01		69	64	0.00	0
7/20/09	N	2:00 PM	7.68	22.3	8.5				61	54	0.00	0
8/4/09	N	1:50 PM 10:57	7.69	25.3	7.3	0.00	0.00		74	68	0.00	0.05
8/12/09	N	AM	8.33	22.1	7.6							
<b>MAX</b>			8.3	25.3	8.5	0.0	0.0		73.7	68.4		
<b>AVG.</b>			7.8	22.3	7.2	0.0	0.0		67.6	62.3		
<b>MIN</b>			7.6	20.8	6.2				60.5	54.4		

\* N- Normal    S- Sheen    F-Foam    C- Colored

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LOCATION: **FULLERTON CREEK @ FAIRBANKS**

<u>DATE</u>	<u>PHYS.</u> <u>COND.*</u>	<u>TIME</u>	<u>pH</u>	<u>TEMP</u> <u>(C°)</u>	<u>DIS.</u> <u>OXY.</u> <u>(Mg/L)</u>	<u>COPPER</u> <u>(Mg/L)</u>	<u>ZINC</u> <u>(Mg/L)</u>	<u>PETROL.</u> <u>HYDRO.</u>	<u>LAST 24</u> <u>HRS</u> <u>HIGH</u> <u>TEMP.</u>	<u>LAST 24</u> <u>HRS</u> <u>LOW</u> <u>TEMP.</u>	<u>LAST 24</u> <u>HRS</u> <u>PRECIP.</u>	<u>LAST 48</u> <u>HRS</u> <u>PERCIP.</u>
5/13/09	N	10:25 AM	7.90	14.0	8.6				71	40	0.00	0.00
5/28/09	N	1:40 PM	8.04	16.4	9.0				63	55	0.00	0.03
6/2/09	N	1:20 PM	7.83	16.5	7.9	0.04	0.12		52	49	0.00	0.53
6/9/09	N	1:20 PM	8.12	18.0	8.7				65	59	0.53	0.03
6/29/09	N	8:00 AM	7.70	20.2	6.6	0.01	0.02		71	64	0.29	0.06
7/10/09	N	8:55AM	7.82	19.2	6.6	0.03	0.08		69	64	0.00	0.00
7/20/09	N	9:40 AM	7.91	21.2	7.0	0.02	0.10		61	54	0.00	0.00
8/11/09	N	2:10 PM	7.29	20.9	8.3							
<b>MAX</b>			8.1	21.2	9.0	0.0	0.1		71.0	64.2	0.5	
<b>AVG.</b>			7.8	18.3	7.8	0.0	0.1		64.4	55.0	0.1	
<b>MIN</b>			7.3	14.0	6.6	0.0	0.0		52.3	40.0		

\* N- Normal    S- Sheen    F-Foam    C- Colored

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LOCATION: **FULLERTON CREEK @ STEWART**

<u>DATE</u>	<u>PHYS. COND.*</u>	<u>TIME</u>	<u>pH</u>	<u>TEMP (C°)</u>	<u>DIS. OXY.</u>	<u>COPPER</u>	<u>ZINC</u>	<u>PETROL.</u>	<u>LAST 24 HRS</u>	<u>LAST 24 HRS</u>	<u>LAST 24 HRS</u>	<u>LAST 48 HRS</u>
					<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>HYDRO.</u>	<u>HIGH TEMP.</u>	<u>LOW TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
5/13/09	N	10:10 AM	7.55	14.5	6.8				71	40	0.00	0.00
5/27/09	C-Blue	9:25 AM 12:57			5.4	0.07			74	54	2.19	2.21
6/2/09	N	PM	7.56	17.2	7.7				52	49	0.00	0.53
6/5/09	N	1:00PM	7.87	24.5	10.7				62	45	0.00	0.00
6/9/09	N	1:05 AM	7.52	20.5	6.5	0.01	0.16		65	59	0.53	0.03
6/26/09	N	2:15PM 11:15	7.35	34.1	5.7							
7/9/09	N	AM	7.48	22.5	5.9				68	61	0.08	0.00
7/20/09	N	2:13PM	7.59	20.0	5.4				61	54	0.00	0.00
8/6/09	N	1:45PM	6.44	25.6	5.4							
<b>MAX</b>			7.9	34.1	10.7	0.1	0.2		73.5	60.5	2.2	
<b>AVG.</b>			7.4	22.4	6.6	0.0	0.2		64.5	51.7	0.4	
<b>MIN</b>			6.4	14.5	5.4	0.0	0.2		52.3	40.0		
						0.01	0.16					
	*	N- Normal	S- Sheen	F-Foam	C- Colored							

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LOCATION: **WESTWOOD CREEK @ LENORE**

<u>DATE</u>	<u>PHYS.</u>		<u>pH</u>	<u>TEMP</u> <u>(C°)</u>	<u>DIS.</u> <u>OXY.</u> <u>(Mg/L)</u>	<u>COPPER</u> <u>(Mg/L)</u>	<u>ZINC</u> <u>(Mg/L)</u>	<u>PETROL.</u> <u>HYDRO.</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 48 HRS</u>
	<u>COND.*</u>	<u>TIME</u>							<u>HIGH</u> <u>TEMP.</u>	<u>LOW</u> <u>TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
5/12/09	N	11:10 AM	8.03	16.0	8.4				62	40	0.00	0
5/27/09	N	1:15 AM	7.74	19.6	7.0				74	54	2.19	2.21
6/1/09	N	12:55 PM	7.68	20.1	7.4				61	56	0.50	0.5
6/9/09	N	12:40 PM	7.88	20.2	7.6	0.03			65	59	0.53	0.03
6/25/09	N	10:56 AM	7.71	28.3	5.6							
7/7/09	N	7:52 AM	7.67	20.7	4.3	0.01	0.16		71	60	0.00	0.01
7/20/09	N	7:55 AM	7.66	18.6	5.3				61	54	0.00	0
8/3/09	N	8:00 AM	7.74	20.6	4.2	0.06	0.00		84	68	0.05	0.05
8/10/09	N	8:10 AM	7.58	24.0	1.2	0.01	0.06					
<b>MAX</b>			8.0	28.3	8.4	0.1	0.2		84.1	68.3	2.2	
<b>AVG.</b>			7.7	20.9	5.7	0.0	0.1		68.0	55.9	0.5	
<b>MIN</b>			7.6	16.0	1.2	0.0			60.5	40.0		

\* N-Normal S-Sheen F-Foam C- Colored

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LOCATION: **72" @ ODEUM**

<u>DATE</u>	<u>PHYS.</u> <u>COND.*</u>	<u>TIME</u>	<u>pH</u>	<u>TEMP</u> <u>(C°)</u>	<u>DIS.</u> <u>OXY.</u> <u>(Mg/L)</u>	<u>COPPER</u> <u>(Mg/L)</u>	<u>ZINC</u> <u>(Mg/L)</u>	<u>PETROL.</u> <u>HYDRO.</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 48</u> <u>HRS</u>
									<u>HIGH</u> <u>TEMP.</u>	<u>LOW TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
5/11/09	N`	1:50 PM	7.67	16.6	8.6				68	42	0.00	0.01
6/3/09	N`	12:50 PM	7.81	17.5	8.0	0.01	0.20		54	49	0.16	0.53
6/10/09	N`	8:30 AM	7.80	17.3	7.1				57	55	0.00	0.53
6/25/09	N`	10:40 AM	7.67	30.2	6.1							
6/30/09	N`	9:25 AM	7.62	21.8	5.7							
7/6/09	N	9:50 AM	7.45	23.1	6.2				74	58	0.10	0.14
7/20/09	N	8:26 AM	7.72	20.1	7.1	0.06	0.06		61	54	0.00	0
8/3/09	N	8:15 AM	7.68	21.4	6.5	0.00	0.22		84	68	0.05	0
<b>MAX</b>			7.8	30.2	8.6	0.1	0.2		84.1	68.3	0.2	
<b>AVG.</b>			7.7	21.0	6.9	0.0	0.2		66.1	54.5	0.1	
<b>MIN</b>			7.5	16.6	5.7		0.1		53.9	41.9		

\* N-Normal    S- Sheen    F-Foam    C- Colored

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LOCATION: **DAPS**

<u>DATE</u>	<u>PHYS. COND.*</u>	<u>TIME</u>	<u>pH</u>	<u>TEMP (C°)</u>	<u>DIS. OXY. (Mg/L)</u>	<u>COPPER (Mg/L)</u>	<u>ZINC (Mg/L)</u>	<u>PETROL. HYDRO.</u>	<u>LAST 24 HRS HIGH TEMP.</u>	<u>LAST 24 HRS LOW TEMP.</u>	<u>LAST 24 HRS PRECIP.</u>	<u>LAST 48 HRS PERCIP.</u>
5/13/09	N	9:27 AM	7.52	14.1	8.7				71	40	0.00	0.00
6/5/09	N	1:30PM	7.81	19.0	8.5				62	45	0.00	0.00
6/10/09	N	8:35 AM	7.50	16.0	6.9				57	55	0.00	0.53
6/17/09	N	3:15PM	7.68	19.6	7.7							
<b>MAX</b>			7.8	19.6	8.7				71.0	54.8		
<b>AVG.</b>			7.6	17.2	8.0				63.2	46.6		
<b>MIN</b>			7.5	14.1	6.9				56.5	40.0		

\* N- Normal    S- Sheen    F-Foam    C- Colored

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LOCATION: **48" @ NORTH PLANT PUMP & DAM**

<u>DATE</u>	<u>PHYS.</u>		<u>pH</u>	<u>TEMP</u> <u>(C°)</u>	<u>DIS.</u> <u>OXY.</u> <u>(Mg/L)</u>	<u>COPPER</u> <u>(Mg/L)</u>	<u>ZINC</u> <u>(Mg/L)</u>	<u>PETROL.</u> <u>HYDRO.</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 48 HRS</u>
	<u>COND.*</u>	<u>TIME</u>							<u>HIGH</u> <u>TEMP.</u>	<u>LOW</u> <u>TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
5/27/09	N	1:00 AM	7.67	19.8	7.2				74	54	2.19	2.21
8/6/09	N	11:20 AM	7.15	20.8	7.9							

<b>MAX</b>		7.2	20.8	7.9								
<b>AVG.</b>		7.2	20.8	7.9								
<b>MIN</b>		7.2	20.8	7.9								

\* N- Normal      S- Sheen      F-Foam      C- Colored



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LOCATION: **STEWART POND**  
**EFF.**

<u>DATE</u>	<u>PHYS.</u> <u>COND.*</u>	<u>TIME</u>	<u>pH</u>	<u>TEMP</u> <u>(C°)</u>	<u>DIS.</u> <u>OXY.</u> <u>(Mg/L)</u>	<u>COPPER</u> <u>(Mg/L)</u>	<u>ZINC</u> <u>(Mg/L)</u>	<u>PETROL.</u> <u>HYDRO.</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 48</u> <u>HRS</u>
									<u>HIGH</u> <u>TEMP.</u>	<u>LOW</u> <u>TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
5/13/09	N	8:46 AM	8.17	15.5	8.9				71	40	0.00	0.00
5/27/09	N	1:45 AM	7.48	19.7	5.4				74	54	2.19	2.21
6/2/09	N	1:37 PM	8.27	19.4	7.0	0.02	0.10		52	49	0.00	0.53
6/10/09	N	12:35 PM	8.49	21.5	9.3	0.06	0.02		57	55	0.00	0.53
6/26/09	N	2:05PM	8.31	32.7	11.7							
7/7/09	N	8:20AM	7.80	7.8	1.2	0.03	0.10		71	60	0.00	0.01
8/3/09	N	8:33 AM	7.98	18.9	3.1				84	68	0.01	0.00
8/12/09	N	10:18 AM	7.68	23.8	3.7							
<b>MAX</b>			8.5	32.7	11.7	0.1	0.1		84.1	68.3	2.2	
<b>AVG.</b>			8.0	19.9	6.3	0.0	0.1		68.1	54.3	0.4	
<b>MIN</b>			7.5	7.8	1.2	0.0	0.0		52.3	40.0		

\* N-Normal    S-Sheen    F-Foam    C-Colored

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LOCATION: **OPUS EFF.**

<u>DATE</u>	<u>PHYS. COND.*</u>	<u>TIME</u>	<u>pH</u>	<u>TEMP (C°)</u>	<u>DIS. OXY. (Mg/L)</u>	<u>COPPER (Mg/L)</u>	<u>ZINC (Mg/L)</u>	<u>PETROL. HYDRO.</u>	<u>LAST 24 HRS</u>	<u>LAST 24 HRS</u>	<u>LAST 24 HRS</u>	<u>LAST 48 HRS</u>
									<u>HIGH TEMP.</u>	<u>LOW TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
5/13/2009	N	8:15 AM	8.48	17.1	9.5				71	40	0.00	0.00
5/27/09	N	2:30 PM	8.25	21.2	7.7				74	54	2.19	2.21
6/3/09	N	2:00 PM	8.20	18.5	8.1	0.01	0.06		54	49	0.16	0.53
6/9/09	N	1:50 PM	8.46	21.5	8.7	0.05			65	59	0.53	0.03
6/17/09	N	2:35PM	8.42	22.0	8.6							
6/24/09	N	8:20 AM	8.10									
6/29/09	N	7:50 AM	8.89	26.4	9.4							
7/6/09	N	10:35 AM	8.97	24.9	10.3				74	58	0.10	0.14
8/3/09	N	10:00 AM	8.27	23.1	6.6	0.10	0.04		84	68	0.05	0.00
8/10/09	N	8:57 AM	8.38	25.7	7.5							
<b>MAX</b>			9.0	26.4	10.3	0.1	0.1		84.1	68.3	2.2	
<b>AVG.</b>			8.4	22.3	8.5	0.1	0.1		70.2	54.8	0.5	
<b>MIN</b>			8.1	17.1	6.6	0.0	0.0		53.9	40.0		

\* N- Normal    S- Sheen    F-Foam    C- Colored

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LOCATION: **OPUS EFF.**

<u>DATE</u>	<u>PHYS. COND.*</u>	<u>TIME</u>	<u>pH</u>	<u>TEMP (C°)</u>	<u>DIS. OXY. (Mg/L)</u>	<u>COPPER (Mg/L)</u>	<u>ZINC (Mg/L)</u>	<u>PETROL. HYDRO.</u>	<u>LAST 24 HRS</u>	<u>LAST 24 HRS</u>	<u>LAST 24 HRS</u>	<u>LAST 48 HRS</u>
									<u>HIGH TEMP.</u>	<u>LOW TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
5/13/2009	N	8:15 AM	8.48	17.1	9.5				71	40	0.00	0.00
5/27/09	N	2:30 PM	8.25	21.2	7.7				74	54	2.19	2.21
6/3/09	N	2:00 PM	8.20	18.5	8.1	0.01	0.06		54	49	0.16	0.53
6/9/09	N	1:50 PM	8.46	21.5	8.7	0.05			65	59	0.53	0.03
6/17/09	N	2:35PM	8.42	22.0	8.6							
6/24/09	N	8:20 AM	8.10									
6/29/09	N	7:50 AM	8.89	26.4	9.4							
7/6/09	N	10:35 AM	8.97	24.9	10.3				74	58	0.10	0.14
8/3/09	N	10:00 AM	8.27	23.1	6.6	0.10	0.04		84	68	0.05	0.00
8/10/09	N	8:57 AM	8.38	25.7	7.5							
<b>MAX</b>			9.0	26.4	10.3	0.1	0.1		84.1	68.3	2.2	
<b>AVG.</b>			8.4	22.3	8.5	0.1	0.1		70.2	54.8	0.5	
<b>MIN</b>			8.1	17.1	6.6	0.0	0.0		53.9	40.0		

\* N- Normal    S- Sheen    F-Foam    C- Colored

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LOCATION: **42" SOUTH OF CHERRY HILL**

<u>DATE</u>	<u>PHYS.</u> <u>COND.*</u>	<u>TIME</u>	<u>pH</u>	<u>TEMP</u> <u>(C°)</u>	<u>DIS.</u> <u>OXY.</u> <u>(Mg/L)</u>	<u>COPPER</u> <u>(Mg/L)</u>	<u>ZINC</u> <u>(Mg/L)</u>	<u>PETROL.</u> <u>HYDRO.</u>	<u>LAST 24</u> <u>HRS</u> <u>HIGH</u> <u>TEMP.</u>	<u>LAST 24</u> <u>HRS</u> <u>LOW</u> <u>TEMP.</u>	<u>LAST 24</u> <u>HRS</u> <u>PRECIP.</u>	<u>LAST 48</u> <u>HRS</u> <u>PERCIP.</u>
5/13/09	N	10:58 AM	7.63	13.5	8.7				71	40	0.00	0.00
6/4/09	DRY											
<b>MAX</b>			7.6	13.5	8.7				71.0	40.0		
<b>AVG.</b>			7.6	13.5	8.7				71.0	40.0		
<b>MIN</b>			7.6	13.5	8.7				71.0	40.0		

\* N- Normal    S- Sheen    F-Foam    C- Colored

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LOCATION: **WESTWOOD CREEK @  
HOLTZ**

<u>DATE</u>	<u>PHYS.</u> <u>COND.*</u>	<u>TIME</u>	<u>pH</u>	<u>TEMP</u> <u>(C°)</u>	<u>DIS.</u> <u>OXY.</u> <u>(Mg/L)</u>	<u>COPPER</u> <u>(Mg/L)</u>	<u>ZINC</u> <u>(Mg/L)</u>	<u>PETROL.</u> <u>HYDRO.</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 24</u> <u>HRS</u>	<u>LAST 48 HRS</u>
									<u>HIGH</u> <u>TEMP.</u>	<u>LOW</u> <u>TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
5/12/2009	N	10:45 AM	8.06	16.0	8.4				62	40	0.00	0.00
5/27/2009	N	1:30 PM	7.85	19.6	7.4				74	54	2.19	2.21
6/1/2009	N	1:20 PM	7.98	20.4	7.2				61	56	0.50	0.50
6/8/09	N	2:25 PM	7.86	22.3	6.9				62	53	0.43	0.03
6/12/09	N	2:10PM	7.94	20.1	7.5				58	50	0.12	0.12
6/24/09	N	8:45 AM	7.40									
6/29/09	N	9:05 AM	7.84	23.4	7.0				71	64	0.29	0.06
7/6/09	N	10:12 AM	8.02	22.4	7.4				74	58	0.10	0.14
7/20/09	N	8:15 AM	8.00	20.4	7.7				61	54	0.00	0.00
8/3/09	N	8:48 AM	7.82	19.6	7.6	0.06	0.00		84	68	0.01	0.00
8/10/2009	N	8:35	7.94	23.5	7.12							
<b>MAX</b>			8.1	23.5	8.4	0.1			84.1	68.3	2.2	
<b>AVG.</b>			7.9	20.8	7.4	0.1			67.3	55.2	0.4	
<b>MIN</b>			7.4	16.0	6.9	0.1			57.8	40.0		

\* N-Normal S-Sheen F-Foam C- Colored

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LOCATION: **18" @ CHERRY HILL/VILLA AVE.**

<u>DATE</u>	<u>PHYS. COND.*</u>	<u>TIME</u>	<u>pH</u>	<u>TEMP (C°)</u>	<u>DIS. OXY. (Mg/L)</u>	<u>COPPER (Mg/L)</u>	<u>ZINC (Mg/L)</u>	<u>PETROL. HYDRO.</u>	<u>LAST 24 HRS</u>	<u>LAST 24 HRS</u>	<u>LAST 24 HRS</u>	<u>LAST 48 HRS</u>
									<u>HIGH TEMP.</u>	<u>LOW TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
5/13/09	N	10:45 AM	8.15	14.1	8.5				71	40	0.00	0.00
6/4/09	N	1:34 PM	7.70	16.7	6.8				54	43	0.00	0.16
6/8/09	N	1:55 PM	7.52	17.9	6.5				62	53	0.43	0.03
6/29/09	N	8:32 AM	7.55	19.5	4.5				71	64	0.29	0.06
7/10/09	N	8:30AM	7.34	19.6	1.5				69	64	0.00	0.00
7/20/09	N	9:15 AM	7.54	19.2	2.5				61	54	0.00	0.00
8/6/09	N	2:22 PM	7.54	20.3	6.1							
8/11/09	N	3:10 PM	6.26	23.4	7.4							
<b>MAX</b>			8.2	23.4	8.5				71.0	64.2	0.4	
<b>AVG.</b>			7.5	18.8	5.5				64.5	53.0	0.1	
<b>MIN</b>			6.3	14.1	1.5				53.8	40.0		

\* N- Normal    S- Sheen    F-Foam    C- Colored

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LOCATION: **DAVEA POND**

<u>DATE</u>	<u>PHYS. COND.*</u>	<u>TIME</u>	<u>pH</u>	<u>TEMP (C°)</u>	<u>DIS. OXY. (Mg/L)</u>	<u>COPPER (Mg/L)</u>	<u>ZINC (Mg/L)</u>	<u>PETROL. HYDRO.</u>	<u>LAST 24 HRS</u>	<u>LAST 24 HRS</u>	<u>LAST 24 HRS</u>	<u>LAST 48 HRS</u>
									<u>HIGH TEMP.</u>	<u>LOW TEMP.</u>	<u>PRECIP.</u>	<u>PERCIP.</u>
5/13/09	N	8:30 AM	7.80	17.2	8.9				71	40	0.00	0.00
5/27/09	N	2:20 AM	8.50	20.7	8.8				74	54	2.19	2.21
6/3/09	N	1:40 AM	8.66	17.0	9.5	0.01	0.10		54	49	0.16	0.53
6/10/09	N	1:25 PM	8.90	21.5	9.3				57	55	0.00	0.53
6/17/09	N	2:45PM	8.66	21.0	7.9							
6/24/09	N	8:25 AM	8.70									
6/30/09	N	8:50 AM	8.79	23.3	6.9							
7/6/09	N	10:47 AM	9.57	25.2	14.9	0.02	0.20		74	58	0.10	0.14
7/20/09	N	8:53 AM	8.57	22.3	10.2	0.05	0.12		61	54	0.00	0.00
8/3/09	N	9:15 AM	8.54	20.2	9.6	0.00	0.04		84	68	0.05	0.00
8/11/09	N	2:30 PM	8.55	25.2	7.1							
<b>MAX</b>			9.6	25.2	14.9	0.1	0.2		84.1	68.3	2.2	
<b>AVG.</b>			8.7	21.4	9.3	0.0	0.1		67.7	54.1	0.4	
<b>MIN</b>			7.8	17.0	6.9		0.0		53.9	40.0		

\* N-Normal    S-Sheen    F-Foam    C-Colored