

LaCrosse Wastewater Utility

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April 29, 2013

TO: Members of the Common Council and Tim Kabat
FROM: Jared Greeno, Wastewater Utility Superintendent
SUBJECT: 2013 Compliance Maintenance Annual Report (CMAR)

Attached is the 2013 Compliance Maintenance Annual Report for the Isle La Plume wastewater treatment plant, along with a summary of the results. This is the 28th year this report has been required by the WDNR. The primary purpose of this annual review of wastewater system condition and performance is to keep the WDNR and governing bodies like the Common Council aware of the status of this facility so needed capital expenditures can be predicted in advance. All aspects of the 2013 CMAR data shows continued excellent performance of the City's wastewater facility.

2013 Projects:

- Re-quoted Biosolids Management Program, resulting in switching contractors, and reduction in hauling charges
- Developed RFQ for Special Services to install new Software for SCADA system. Work on this project started in 2013 with full Implementation of new control system expected in June 2014. SCADA (Supervisory Control and Data Acquisition) is the major tool used for operation and control of the WWTP.
- Started work on the application for new WPDES discharge permit for WWTP. Current permit expires on 12/31/2014.
- Working on an RFP for consulting services to develop a plan to comply with expected, future limit for Total Effluent Phosphorus. Current permit limits include a 1.4 ppm level for Phosphorus; expected future limit will be 0.10 ppm. Currently, the expected timeframe for compliance is 5 - 6 years.
- Completed a major (2400 lineal feet) sewer-lining project running through a large Mobil home Park

Present/Future Projects:

- Lining of more interceptor sewer lines.
- Develop an extended agreement with our current Biosolids Management Program contractor.
- Develop a 3 – 4 year plan to upgrade anaerobic digestion system as recommended by facility plan. This will allow the utility to consider other projects to beneficially recycle and reuse methane gas generated by this process.
- Proceed with other projects and upgrades identified during facility planning.
- Complete the application for new WPDES discharge permit for WWTP and submit application to DNR as required.

COMPLIANCE MAINTENANCE ANNUAL REPORT - SUMMARY

Attached is the 2013 Compliance Maintenance Annual Report (CMAR) for the Isle La Plume wastewater treatment plant. This is the 28th year these reports have been required. Since 2004 these reports have been submitted electronically to the DNR.

Compliance Maintenance Reports provide an objective method for evaluating current performance of a treatment plant and its ability to meet effluent requirements in the future, yet allow the addition of subjective comments to address other special features and conditions relevant to the facility. This Report also gives governing bodies advance warning of potential wastewater plant and collection system problems requiring capital expenditures.

From 1986 to 2003 DNR assigned points to areas in the system where problems may exist; higher point totals indicated potential for increased problems. The current format uses the "Letter" grading system and a Grade Point Average (GPA) similar to that used in the school system.

Page 2 is the DNR's 2013 Compliance Maintenance Annual GRADING SUMMARY for the City of La Crosse **ISLE LA PLUME** wastewater treatment plant.

Page 3 is a comparison chart for the years 2004 – 2013 for the Isle La Plume Facility.

All aspects of the 2013 CMAR data show continued excellent operation of the City's wastewater treatment facility.

Jared Greeno 4/29/2014

COMPLIANCE MAINTENANCE ANNUAL REPORT

Facility Name: La Crosse City

Last Updated:

Reporting Year: 2013

WPDES No.0029581

GRADING SUMMARY				
SECTION	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Influent Loadings	A	4.0	3	12
Effluent Quality BOD	A	4.0	10	40
Effluent Quality TSS	A	4.0	5	20
Effluent Quality P	A	4.0	3	12
Biosolids Mgt	A	4.0	5	20
Prev. Maintenance Staffing	A	4.0	1	4
Operator Certification	A	4.0	1	4
Financial Management	A	4.0	1	4
Collection Systems	A	4.0	3	12
TOTALS			32	128
GRADE POINT AVERAGE(GPA)=4.00		4.00		

Notes:

A = Voluntary Range

B = Voluntary Range

C = Recommendation Range (Response Required)

D = Action Range (Response Required)

F = Action Range (Response Required)

COMPLIANCE MAINTENANCE ANNUAL -SUMMARY

**SUMMARY OF ACCUMULATED POINTS FOR OPERATING YEARS
2004 THROUGH 2013**

Isle La Plume Wastewater Treatment Facility

Category	Years									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<i>Influent Loading</i>	A	A	A	A	A	A	A	A	A	A
<i>Effluent Quality: BOD</i>	A	A	A	A	A	A	B	A	A	A
<i>Effluent Quality: TSS</i>	A	A	A	A	A	A	A	A	A	A
<i>Effluent Quality: P</i>	A	A	A	A	B	A	B	A	A	A
<i>Biosolids Management</i>	F	D	F	A	A	A	A	A	A	A
<i>Preventive Maintenance-</i>										
<i>Staffing</i>	A	A	A	A	A	A	A	A	A	A
<i>Operator Certification</i>	A	A	A	A	A	A	A	A	A	A
<i>Financial Management</i>	A	A	A	A	A	A	A	A	A	A
<i>Collection System</i>	A	A	A	B	F	A	A	F	D	A
<i>Grade Point Average (GPA)</i>	3.38	3.53	3.38	3.91	3.53	4.00	3.77	3.63	3.72	4.00