

LaCrosse WasteWater Utility

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May 3, 2013

TO: Members of the Common Council and Tim Kabat

FROM:  Jared Greeno, Wastewater Utility Superintendent

SUBJECT: 2012 Compliance Maintenance Annual Report (CMAR)

Attached is the 2012 Compliance Maintenance Annual Reports for the Isle La Plume wastewater treatment plant, along with a summary of the results. This is the 27th 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 2012 CMAR data shows continued excellent performance of the City's wastewater facility.

2012 Projects:

- (1) Completed aeration system upgrade, including installation of four new high-efficiency blowers and replacement of the distribution and diffusion system. This will greatly increase system operational efficiency and allow operation of the system using stand by power. Power consumption is reduced.
- (2) Continued to work on the process to abandon the former Barron Island treatment plant. The facility was de-commissioned 2009. Presently, waste from customers in the area is trucked to the Isle La Plume facility. The Utility continues to coordinate the process of connecting customers to the new force main coming from La Crescent.
- (3) Created an RFQ for Bio Solids Hauling resulting in switching contractors, resulting in a reduction in hauling charges

Present/Future Projects:

- Upgrade SCADA system with new software to better control system with Automation.
- Continue the practice of contracting to recycle biosolids to farm fields.
- Other projects and upgrades identified during facility planning.
Upgrade anaerobic digestion system including rehabilitation of covers and replacement of mixing and recycling systems. These upgrades may lead to opportunities to recycle and reuse methane gas generated by this process.
- Plan for permit changes that will change (lower) the effluent phosphorus limit from the current level of 1.4 ppm to 0.1 ppm. This change is expected to have very significant capital and operational cost impacts on the treatment system.

COMPLIANCE MAINTENANCE ANNUAL REPORTS - SUMMARY

Attached is the 2012 Compliance Maintenance Annual Report (CMAR) for the Isle La Plume wastewater treatment plant. This is the 27th year these reports have been required. In 2004 the DNR started using a web based reporting system.

The 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 give 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 and the higher point totals indicated potential for increased problems. The new 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 2012 Compliance Maintenance Annual GRADING SUMMARY for the **ISLE LA PLUME** Treatment Plant.

Page 3 is a comparison chart for the years 2004 – 2012 for the Isle La Plume Facility.

All aspects of the 2012 CMAR data shows continued excellent operation for City's wastewater treatment facility.

Jared Greeno 5/3/2013

COMPLIANCE MAINTENANCE ANNUAL REPORT

Facility Name: La Crosse City

Last Updated:

Reporting Year: 2012

Resolution or Owner's Statement

NAME OF GOVERNING BODY OR OWNER	DATE OF RESOLUTION OR ACTION TAKEN
RESOLUTION NUMBER	
ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B, required for grade C, D, or F):	
Influent Flow and Loadings: Grade=A	
Effluent Quality: BOD: Grade=A	
Effluent Quality: TSS: Grade=A	
Effluent Quality: Phosphorus: Grade=A	
Biosolids Quality and Management: Grade=A	
Staffing: Grade=A	
Operator Certification: Grade=A	
Financial Management: Grade=A	
Collection Systems: Grade=D	
ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS (Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00) G.P.A. = 3.72	

COMPLIANCE MAINTENANCE ANNUAL -SUMMARY

**SUMMARY OF ACCUMULATED POINTS FOR OPERATING YEARS
2004 THROUGH 2012**

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	
<i>Effluent Quality: BOD</i>	A	A	A	A	A	A	B	A	A	
<i>Effluent Quality: TSS</i>	A	A	A	A	A	A	A	A	A	
<i>Effluent Quality: P</i>	A	A	A	A	B	A	B	A	A	
<i>Biosolids Mgt.</i>	F	D	F	A	A	A	A	A	A	
<i>Prev. Maintenance Staffing</i>	A	A	A	A	A	A	A	A	A	
<i>Opeator Certification</i>	A	A	A	A	A	A	A	A	A	
<i>Financial Mangament</i>	A	A	A	A	A	A	A	A	A	
<i>Collection System</i>	A	A	A	B	F	A	A	F	D	
<i>Grade Point Average (GPA)</i>	3.38	3.53	3.38	3.91	3.53	4.00	3.77	3.63	3.72	