

# 2020 Compliance Maintenance Annual Report

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June 24, 2021




# CMAR - Requirements

- Statute Ch. 283 – Pollution Discharge Elimination
- Implemented by NR 208
- WPDES Permit Requirement
- Approval of Resolution by Governing Body



# CMAR - Purpose

- Protect public health & environment
- Communication tool
- ID areas in need of more attention



...large commitment by the people of Genoa pursuant to the department pursuant to ch. 283, Stats.

History: CR 04-022: cr. Register November 2004 No. 587, eff. 1-1-05; CR 12-027: cr. (1m) Register July 2013 No. 691, eff. 8-1-13.

## **NR 208.04 Compliance maintenance annual report.**

(1) **PURPOSE.** The compliance maintenance annual report describes wastewater management activities, physical conditions and performance of the treatment works during the previous calendar year. It provides a treatment works owner and the department with an objective analysis to determine whether a more detailed evaluation of the treatment works shall be conducted and where attention should be focused. The owner and the department may use the CMAR to identify needs for future planning actions. In conjunction with a grading system, the CMAR shall establish when treatment works owners are required to initiate actions to prevent violations of WPDES permit effluent limits and conditions.

(2) **SUBMITTAL, TIMING AND OTHER REQUIREMENTS.** (a) *General.* All owners of treatment works shall submit the CMAR electronically on or before June 30 of each year. The owner shall register with the state of Wisconsin to submit electronic reports to the department. Owners of the treatment works or duly authorized

# CMAR - Purpose

- What it's not:
  - Not reporting any new data or compliance issues
  - Not WWTP specific
  - Not meant to be punitive
    - Low scores prompt discussion on response actions



# CMAR - Content

- Grade assigned to each section
- Quantitative and Qualitative
- Same report used for all WWTPs

(5) **CONTENT.** The CMAR shall include an evaluation of the following sections and information, as it applies to a specific treatment works and as determined by the department under s. NR 208.05 (1):

- (a) Influent flow and loading.
- (b) Effluent quality and plant performance (BOD/CBOD).
- (c) Effluent quality and plant performance (total suspended solids-TSS).
- (d) Effluent quality and plant performance (ammonia-NH<sub>3</sub>).
- (e) Effluent quality and plant performance (phosphorus-P).
- (f) Effluent quality and plant performance (total nitrogen-total N).
- (g) Groundwater quality.
- (h) Ponds and lagoon leakage.
- (i) Biosolids quality and management.
- (j) Staffing and preventative maintenance.
- (k) Operator certification and education.
- (L) Financial management.
- (m) Sanitary sewer collection systems.
- (n) Grading summary.
- (o) Resolution or owner statement.

**History:** CR 04-022: cr. Register November 2004 No. 587, eff. 1-1-05.



# CMAR – 2020 Results

**A**

Influent Flow and Loadings

**A**

Effluent Quality: BOD

**A**

Effluent Quality: TSS

**B**

Effluent Quality: Ammonia

**A**

Effluent Quality: Phosphorus

**D**

Biosolids Quality and Management

**A**

Staffing

**A**

Operator Certification

**A**

Financial Management

**A**

Collection Systems

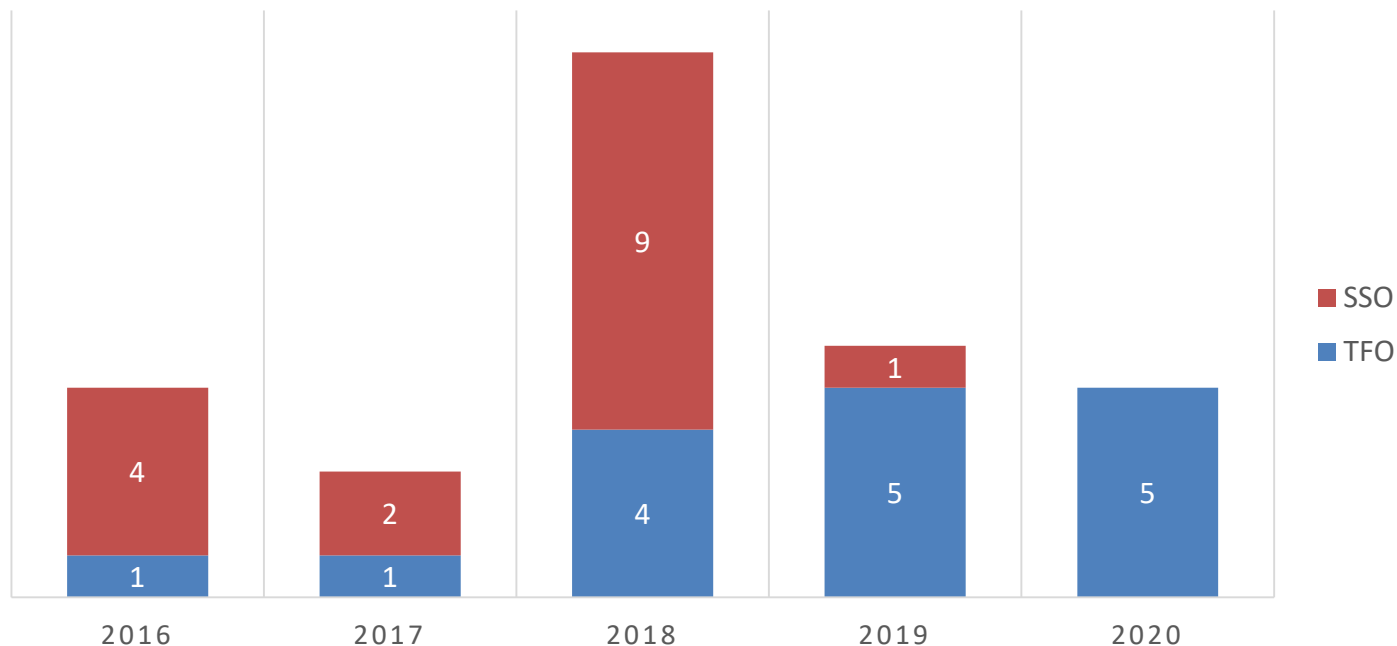
**3.46**

Overall GPA

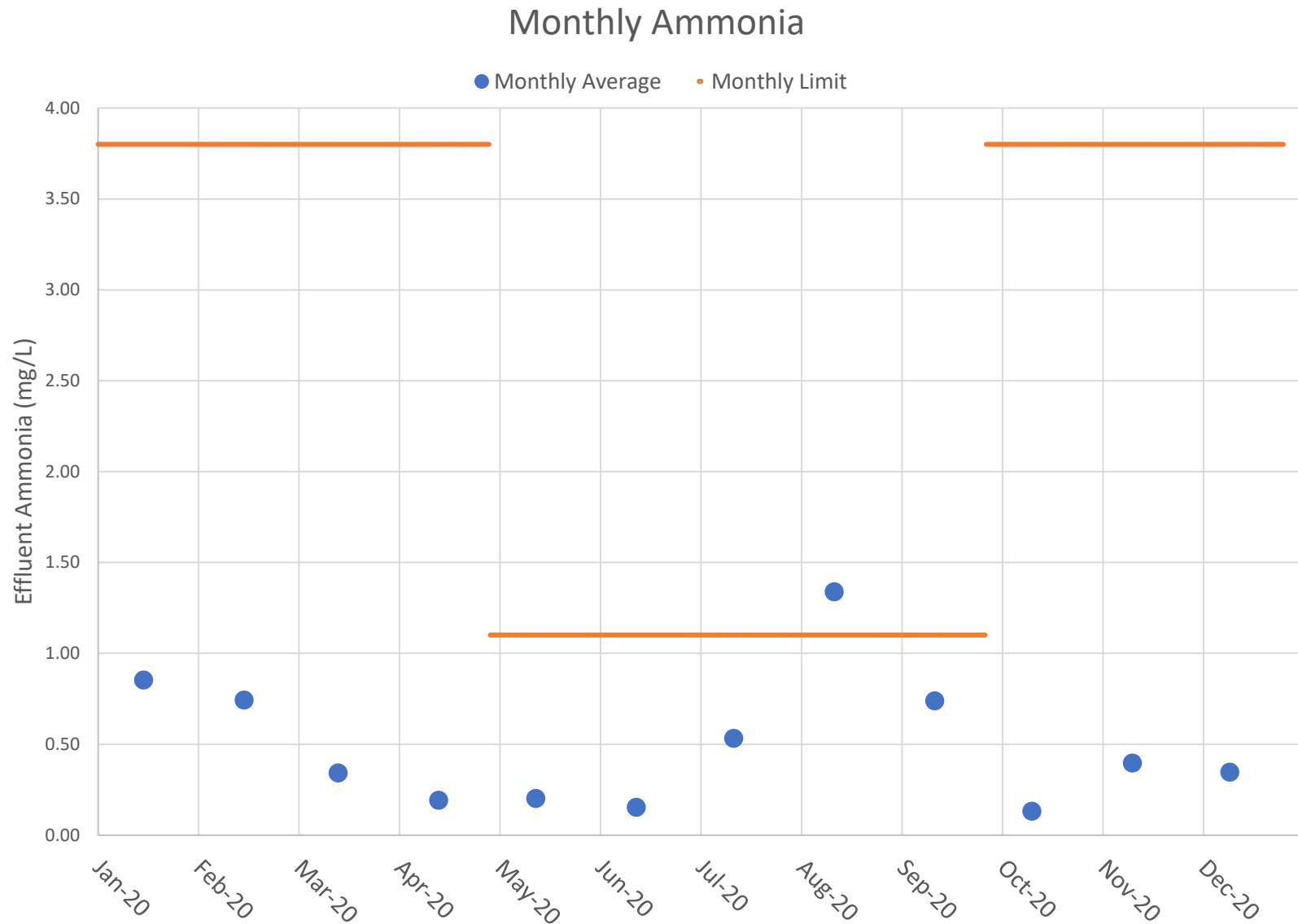


# CMAR – 2020 Results

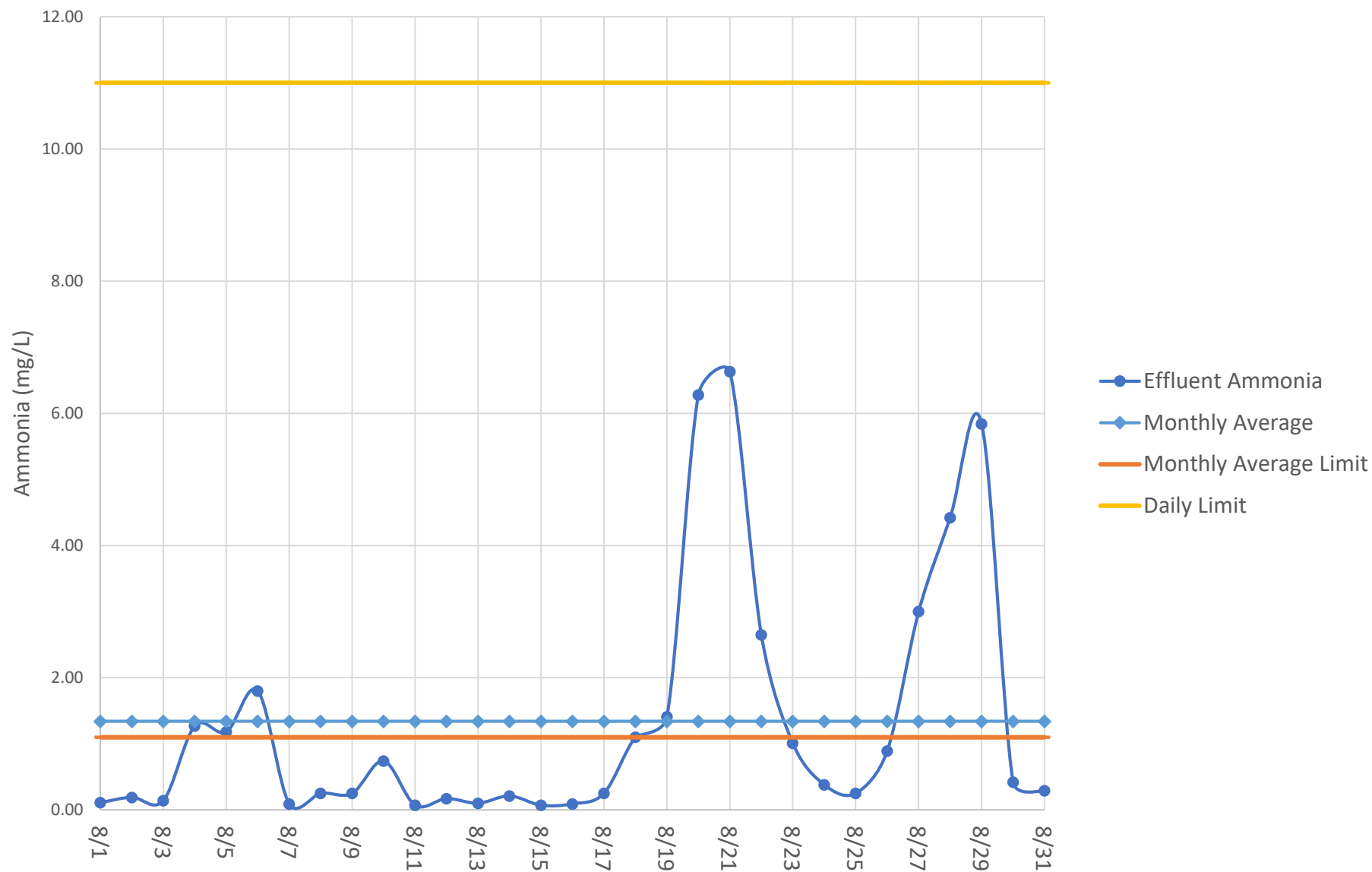
- “A” in 8/10 sections
- Weighted score of 128/148
  - 5 pts deducted for monthly ammonia exceedance
  - 15 pts deducted for biosolids nitrogen overapplication
- Five overflows (does not impact overall score)



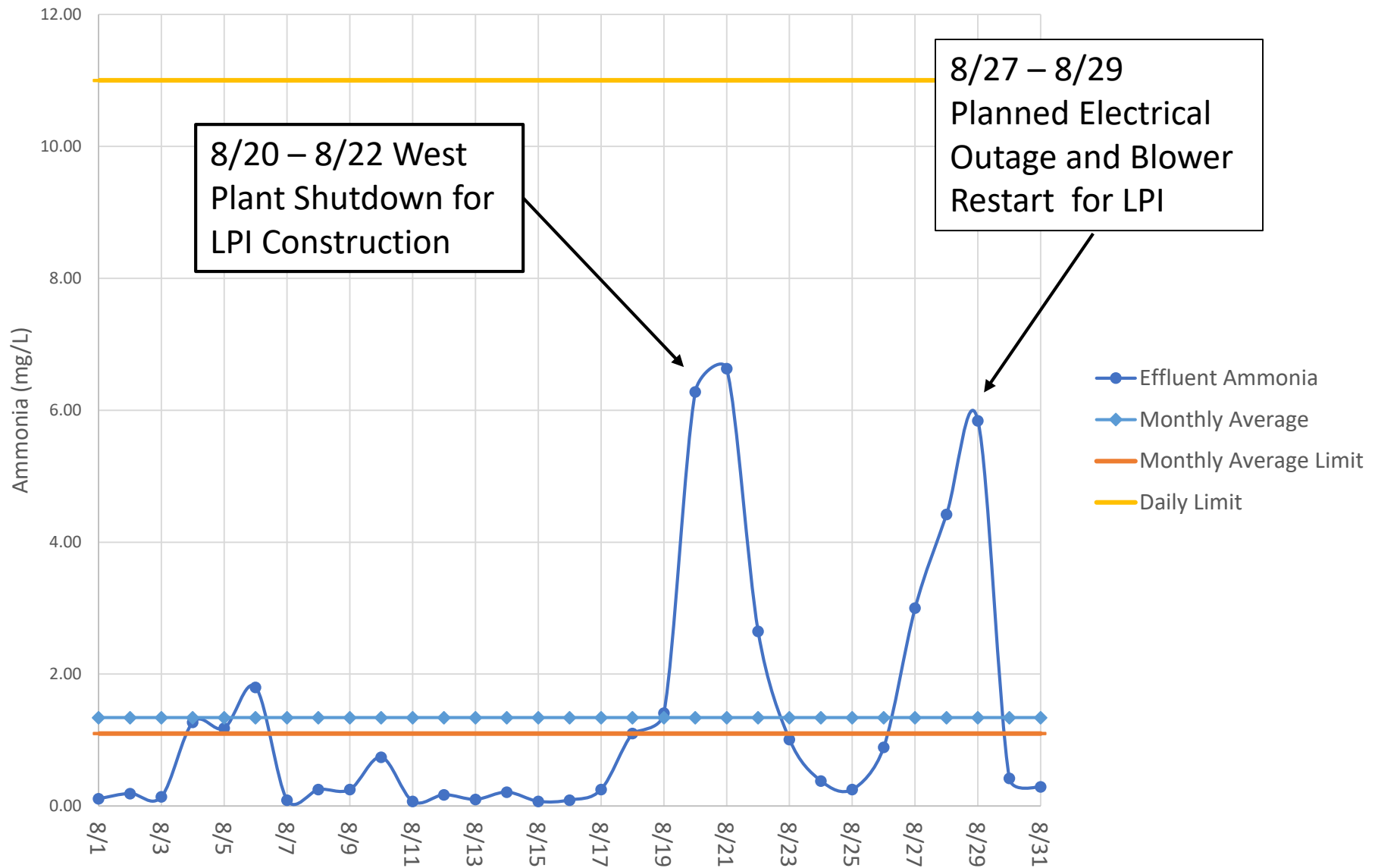
# CMAR – Ammonia Exceedance



# CMAR – August Effluent Ammonia



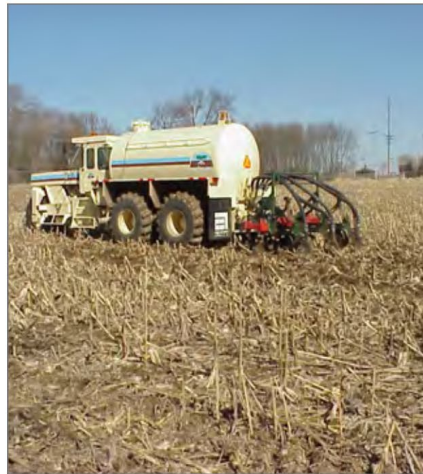
# CMAR – August Effluent Ammonia



# CMAR – Biosolids Management

Over-application on three fields – automatic “D”

- Metrogro applied to 5,184 acres (3,544 in 2019)
- Phasing out old Terragators with newer application technology



# CMAR - Overflows

- 5 total – zero in collection system
  - Contractor related
  - Effluent forcemain leak
- No apparent risk to public health or environment from TFOs

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Effluent Forcemain  
TFO

# CMAR - Conclusion

- Overall GPA: 3.46
- Resolution
  - Response Actions required for grades below “B”
    - Biosolids Management – newer application technology
  - Actions to prevent TFO/SSO reoccurrence
  - Explanation of ammonia exceedance
- Certification and Submission, June 30, 2021



# Questions?



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