

Point Source Workgroup Update Presentation to the Hypoxia Task Force

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Resources

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Indianola Wastewater Treatment Facility – source: [desmoinesregister.com](https://www.desmoinesregister.com)

Recap: Task Force Decisions/Actions on Tracking Point Source Progress

- 2014-2015: HTF agrees on and releases a “Revised Goal Framework” with a 2025 interim target to reduce N and P loads by 20 percent
 - HTF commits to track progress and charters Point Source and Nonpoint Source Workgroups
- March 2016: HTF releases the Point Source Workgroup’s first progress report with 2014 data on the number of major sewage treatment plant permits with
 - monitoring requirements for nitrogen and phosphorus
 - permits with limits for nitrogen and phosphorus
 - State-specific supplements with info on permitting approaches and additional measures of progress
- October 2019: second Point Source Progress Report released using 2017 data
 - In addition to updated data on monitoring, limits and state supplements, this report also estimated discharge loads from major sewage treatment plants

Comparing Reports: Facilities with Monitoring Requirements

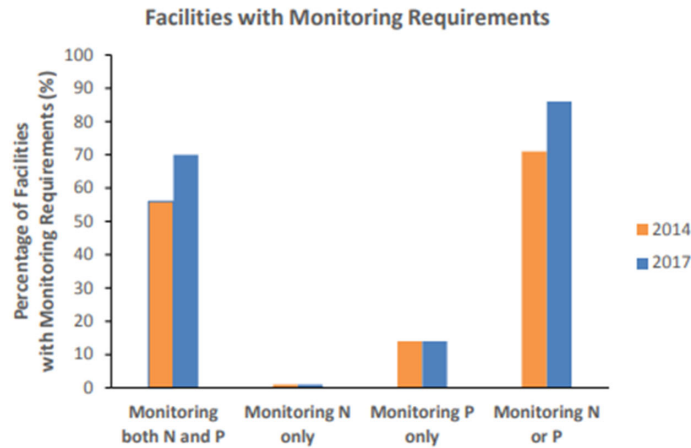


Figure 1. The percentage of major sewage treatment plants with nitrogen (N) and/or phosphorus (P) monitoring requirements, by reporting year.

Comparing Reports: Facilities with Discharge Limits

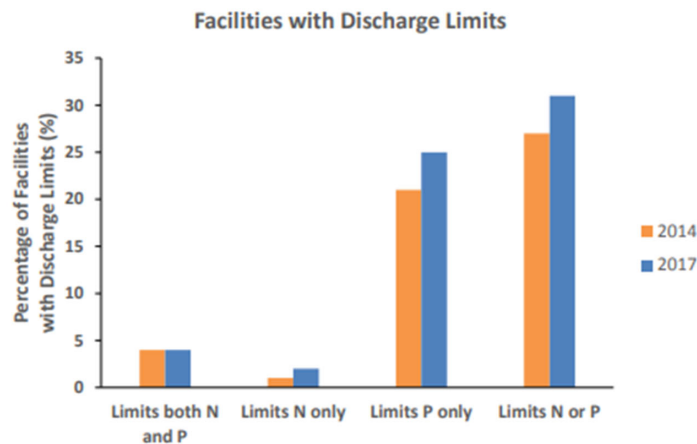


Figure 2. The percentage of major sewage treatment plants with nitrogen (N) and/or phosphorus (P) discharge limits, by reporting year.

2017 Estimated Discharge Loads

2017 N Loads (lb/yr) from major sewage treatment plants: 287,708,571

2017 P loads (lb/yr) from major sewage treatment plants: 44,972,256

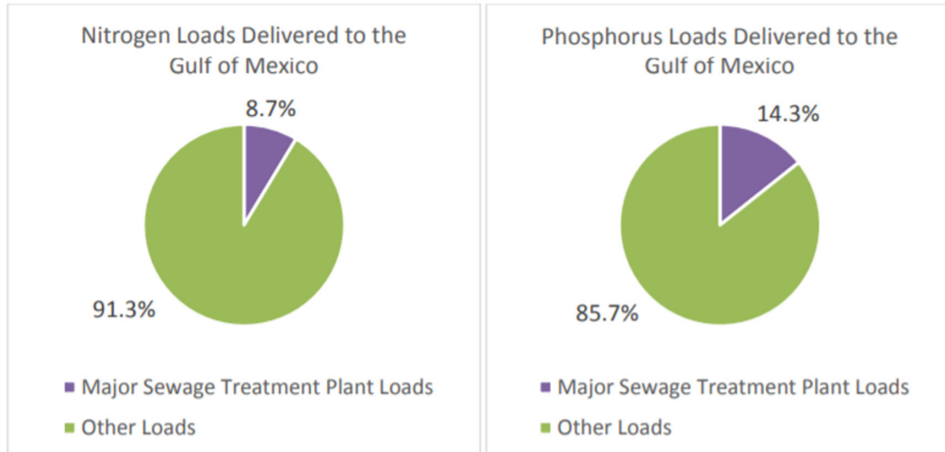


Figure 3. Calculated or estimated 2017 nutrient loads from major sewage treatment plants (*purple*) discharging to the MARB vs. all other nutrient loads based on USGS-calculated total MARB nutrient loads in 2017 (*green*).

Next Steps



- Currently producing our third report using 2020 data on monitoring, limits and estimated discharges
 - *Again including state-specific supplements*
- Adding a focus on innovative approaches, e.g., market-based approaches, POTW optimization of secondary treatment
- As third report develops, we will begin to look to quantify trends

Thank you
Point
Source
Workgroup
Members!

- IL EPA
- IA DNR
- MN PCA
- MO DNR
- MS DEQ
- WI DNR
- US EPA
- USGS