

# **Industrial Stormwater Multi-Sector General Permit (MSGP)**

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## **TXR050000**

**TCEQ Stormwater Stakeholder Meeting  
October 18, 2019**



**Texas Commission on Environmental Quality  
Water Quality Division – Stormwater Team**



# Renewal of TPDES MSGP TXR050000

Existing permit:

- Effective August 14, 2016
- Expires August 14, 2021

Universe (Sep. 2019):

- 8,636 NOIs
- 3,831 NECs



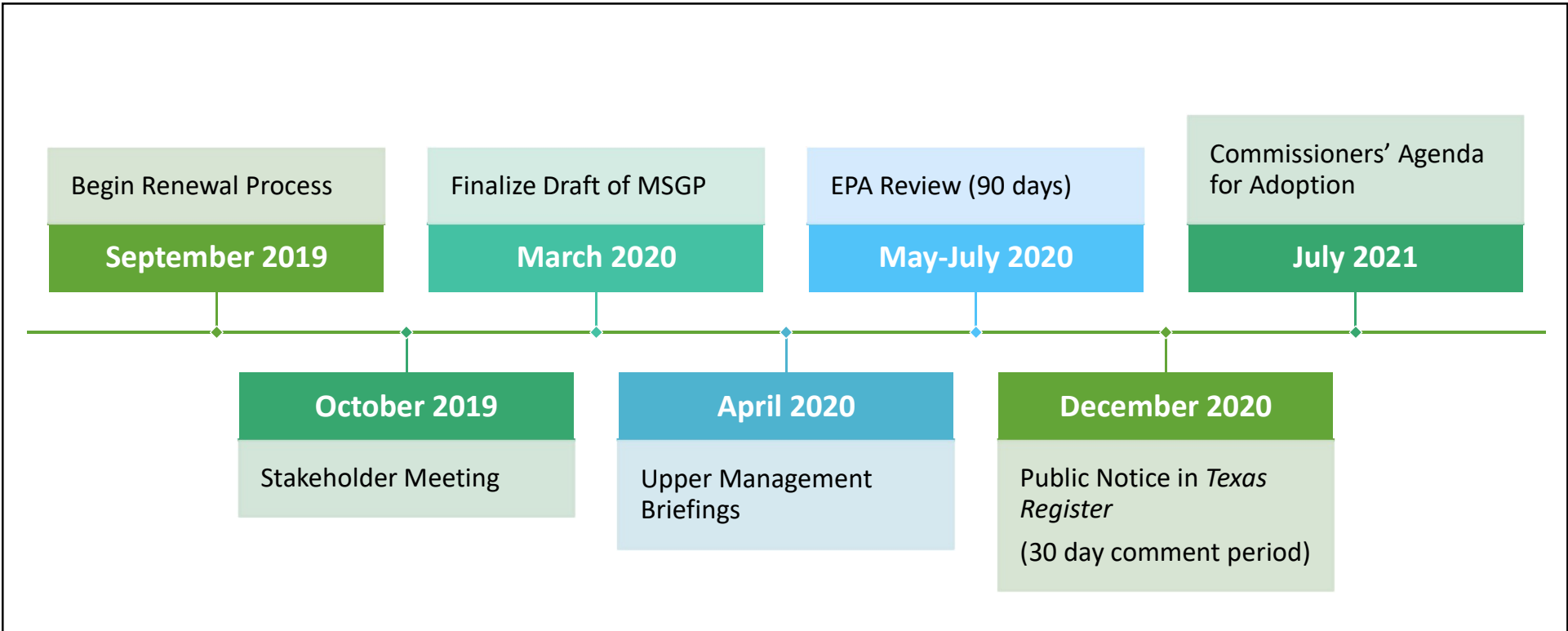
# TXR050000 Renewal Kick-off

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Renewal process began September 2019

- Renewal was announced to permittees and stakeholders
- TCEQ webpages updated
- Internal comments requested from TCEQ program areas
- Reviewed comments received during current permit cycle
- Stakeholder meeting - October 18, 2019
- Stakeholder comments due by **Nov. 1<sup>th</sup>, 2019**





# TXR050000 Renewal Timeline



# MSGP TXR050000

- Authorizes point source discharges of “stormwater associated with industrial activity” and certain non-stormwater discharges to surface waters in the state
- Stormwater discharges directly related to manufacturing, processing or raw materials storage areas at an industrial facility



# Stormwater Discharges Requiring MSGP Authorization

Stormwater discharges associated with industrial activity as defined in 40 CFR § 122.26(b)(14)(i) through (xi)

Divided into 30 Sectors - A to AD

Coverage is based upon:

**Standard  
Industrial  
Classification  
(SIC) Codes**

**Activity Codes**

**Discharges  
subject to federal  
effluent  
guidelines under  
40 CFR Parts 400-  
471**



# MSGP Requirements

Develop and implement a Stormwater Pollution Prevention Plan (SWP3)

Submit an application (Notice of Intent, NOI)

Perform sampling for pollutants with numeric effluent limits, if required

Perform quarterly visual monitoring

Perform quarterly inspections of controls

Perform Benchmark sampling, if required

Annual Report

# Proposed Changes to Existing Permit *Additions and Updates*

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- Add NAICS codes to SIC code tables
- Change provisional coverage for paper applications to 48 hours
- Change submittal of Delegation of Signatory Letters
  - Submit Delegation form in STEERS





# Proposed Changes to Existing Permit Clarifications

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- Reporting requirements for Sector Specific Numeric Effluent Limitations
  - Improve tables in Part V to clarify which activities require monitoring
  - Consolidate reporting requirements
    - Move requirements to Part III



# Proposed Changes to Existing Permit *Monitoring & Reporting Requirements*

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- Electronic Reporting/ NetDMR requirements
  - Update NetDMR reporting requirements for each monitoring type
  - *No change in submittal deadlines*
- Add requirement to document criteria used to claim Hazardous Metals Monitoring Waiver in SWP3



# **Proposed Changes to Existing Permit Monitoring & Reporting Requirements**

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- Adjust two benchmark values
  - Total Suspended Solids (TSS)
    - Sector U (SIC codes 2074-2079)
  - Biochemical Oxygen Demand (BOD<sub>5</sub>)
    - Sector T (Activity code TW)

# Proposed Changes to Existing Permit *NOI & NOC Changes and Clarifications*

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- Notice of Intent (NOI): Addition of the following items
  - Sector Specific activities with Numeric Effluent Limitations
  - Discharging a Pollutant of Concern
  - Facility status – active/inactive



# Proposed Changes to Existing Permit

## *NOI & NOC Changes and Clarifications*

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- Notice of Change (NOC): New items include
  - Discharging a Pollutant of Concern
  - Facility status - active/inactive
  - Outfall locations
  - Waiver from Monitoring (benchmark, hazardous metals)



# Proposed Changes to Existing Permit

## *Sector Specific Changes*

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- Sector J - Add additional SWP3 requirements based on Construction General Permit TXR150000
  - Off-site Vehicle Tracking
  - Dewatering activities
- Sector L – Add definitions
  - Final Cover
  - Intermediate Cover



# Proposed Changes to Existing Permit

## *Sector Specific Changes*

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- Sector L - *continued*
  - *Additional SWP3 Requirements –*
    - Revise language for site map elements
  - Editorial Changes – update unclear language and add /revise tables



# MSGP Benchmark Monitoring Overview

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- Used to characterize the discharge from regulated activities
- Benchmarks only required in certain sectors
- If monitoring results are higher than the benchmark values
  - Adjust best management practices and update SWP3.





# MSGP Benchmark Monitoring Overview

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- Sampling data submitted to TCEQ by March 31 of each year
- Waiver available for Years 3 and 4
  - If monitoring results indicate no exceedances in Years 1 and 2

# MSGP Benchmark Analysis

## •STEPS:

### 1. Review past analysis of benchmarks

- Each permit term data are analyzed for setting future benchmarks
  - Benchmarks are typically near median values or higher
  - Benchmarks can be lowered or increased at pollutant level

### 2. Descriptive statistics (median, min/max, range, distribution)

### 3. Analyze and recommend proposed changes

- Comparison of data over time – 2011 vs 2016 vs 2021
- Comparison of 2021 permit data to current benchmarks
- Graph data



# Historical Changes to Benchmark Values

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- 3 increased and 7 decreased

- 2 increased and 8 decreased

- 3 decreased

# Summary of Proposed Changes to 2021 Benchmark Values

- Total Suspended Solids (TSS)
  - Lowered from 100 to 50 mg/L
  - Sector U - only for SIC Codes 2074-2079
- Biochemical Oxygen Demand (BOD<sub>5</sub>)
  - Lowered from 20 to 15 mg/L
  - Sector T - Activity Code TW

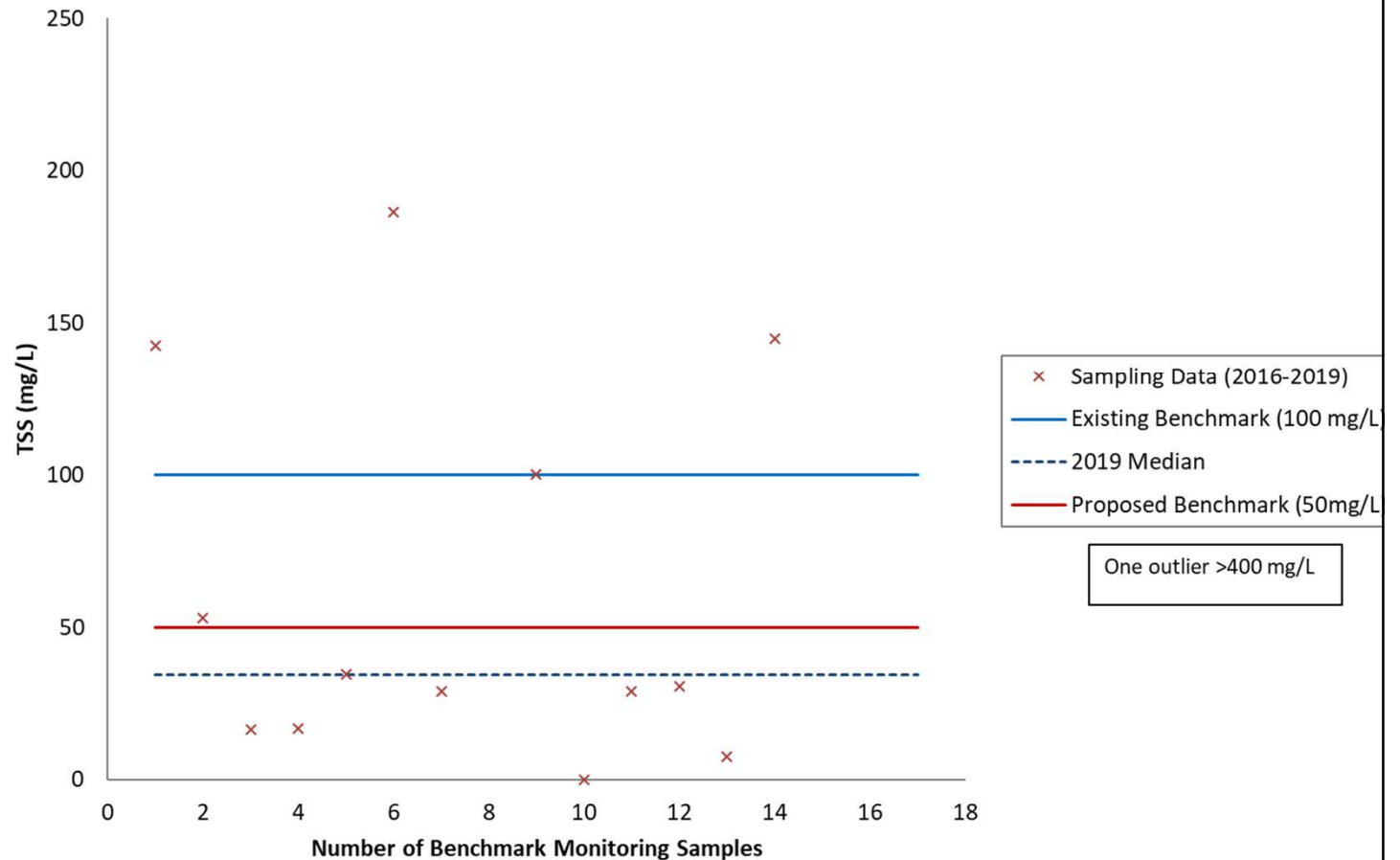
# MSGP Benchmark Analysis

- 13 Samples
- Universe of 24

## Sector U: Food and Kindred Products Facilities

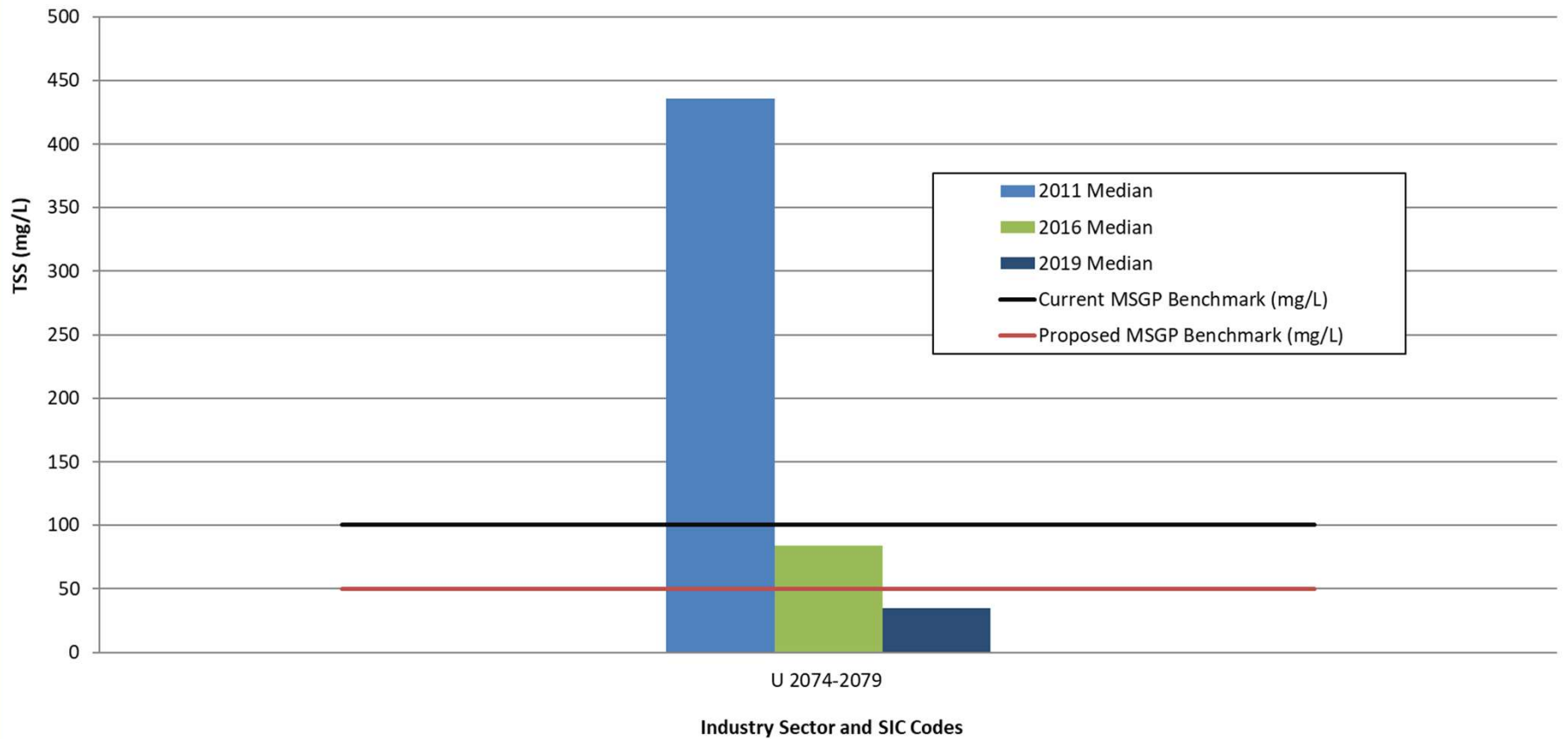
Fats and Oils / SIC Codes 2074-2079

Total Suspended Solids, TSS (mg/L) Benchmark Analysis



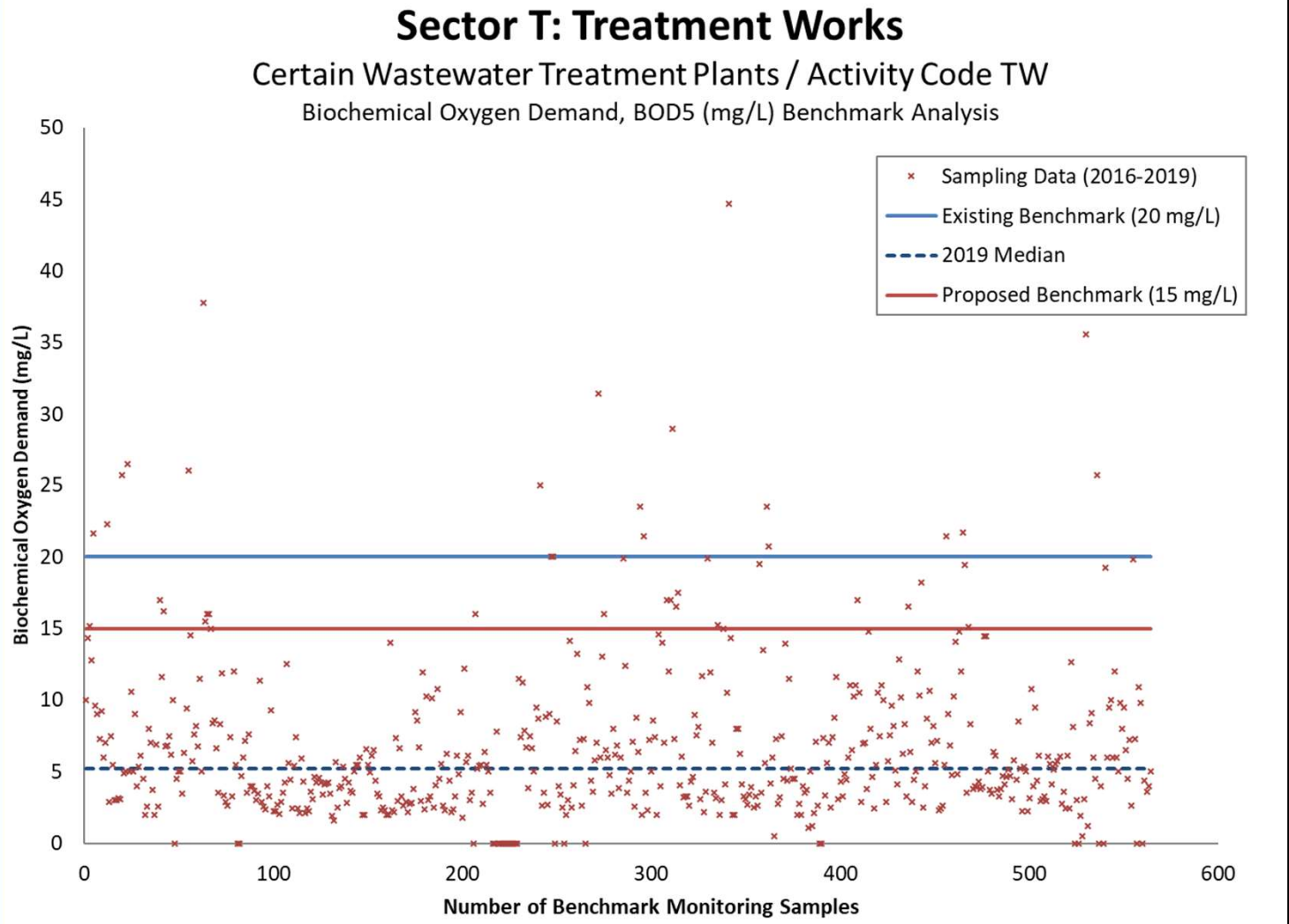
## Sector U: Food and Kindred Products Facilities Fats and Oils/ SIC Codes 20174-2079

Total Suspended Solids, TSS (mg/L) Median Benchmark Over Time



# MSGP Benchmark Analysis

- 564 Samples
- Universe of 369



# Proposed Changes to Existing Permit

## *Other Potential Changes*

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- Other items that might effect TCEQ's MSGP
  - EPA's 2020 MSGP
    - Draft expected November 2019
  - National Academies of Sciences (NAS) 2019 Study
    - EPA has been slow to adopt new knowledge and technology into MSGP permits





# Proposed Changes to Existing Permit

## *Other Potential Changes*

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- NAS 2019 Study- *Continued*
  - Recommended improvements to EPA's MSGP:
    - Update benchmark monitoring requirements to incorporate new scientific information
    - Tiered approach to monitoring to improve quality of monitoring data & balance the burden to industry & permitting agencies
- For additional information about the NAS study:
  - <http://dels.nas.edu/Report/Improving-Multi-Sector-General/25355>

# Stakeholder Comments and Input

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- Submit comments to: [SWGPA@tceq.texas.gov](mailto:SWGPA@tceq.texas.gov)
- Include subject line: “MSGP Renewal”
- Deadline:

**Friday November 1, 2019**



# Contact Information

## Stormwater Team

(512) 239-4671 - [swgpp@tceq.texas.gov](mailto:swgpp@tceq.texas.gov)

## Stormwater Processing Center

(512) 239-3700 - [swpermit@tceq.texas.gov](mailto:swpermit@tceq.texas.gov)

## Small Business and Local Government Assistance (SBLGA)

1-800-447-2827



# Stormwater Program Contacts

## Stormwater Team

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Questions and Comments?

