

Procedures to Implement the Texas Surface Water Quality Standards 2018 Revisions



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What are “Implementation Procedures (IPs)”

Procedures to Implement the Texas Surface Water Quality Standards (IPs) RG-194

A guidance document that explains how TCEQ applies the Texas Surface Water Quality Standards

IP Revision process

- **Triennial review process**
- **2010 IPs approved at the June 30, 2010 TCEQ Commissioner's Agenda**
- **EPA approved most of the 2010 IPs on July 12, 2013**
- **Water Quality Standards adopted by Commission February 2018**
- **IP revisions targeting 2018 completion date**



Unresolved EPA Objections to 2010 IPs:



- ▶ **Dechlorination**
- ▶ **Variances**
- ▶ ~~**Whole Effluent Toxicity (WET)**~~
~~**and Reasonable Potential (RP)**~~

Focus of 2018 IP Revisions

- ▶ **Reasonable Potential for WET Testing**
- ▶ **Dechlorination**
- ▶ **Variances**
- ▶ **Thermal Discharges**
- ▶ **7Q2 and HM segment flow data**
- ▶ **Ambient segment WQ data**
- ▶ **316(b) rule implementation**
- ▶ **Endangered species**
- ▶ **MALs/Methods Update Rule**
- ▶ **pH screening procedures**
- ▶ **Correcting errors/ommissions in current IPs**

Dechlorination

2010 IPs proposed dechlorination requirements for new, and expanding domestic discharges with design flows \geq 0.5 MGD.

Variances

IPs address site specific standards and variances.

EPA objection -specific date for compliance with final effluent limits

Thermal Discharges



- Temperature screening stakeholder group started in August 2014
- TCEQ has received comments and is working on detailed procedures for inclusion in the IPs
- Draft procedures presented to stakeholders in summer 2017
- Comments received and being considered

Critical low-flow (7Q2) and Harmonic Mean Flow Data

- ▶ Data from available USGS gages
- ▶ Analyzed based on 29 year period of record- where available
- ▶ Gage data provisional until verified by USGS

Appendix D

Ambient Water Quality Data

- **Routine water quality data is analyzed to derive segment-specific values**
- **TSS, pH, hardness, TDS, chloride, sulfate**

316(b)-Intake Structures

- ▶ **EPA's final rule for existing facilities became effective October 14, 2014**
- ▶ **TCEQ working with EPA and permittees on application/information requirements and implementation issues**

Endangered Species

- **New listings**
- **De-listings**



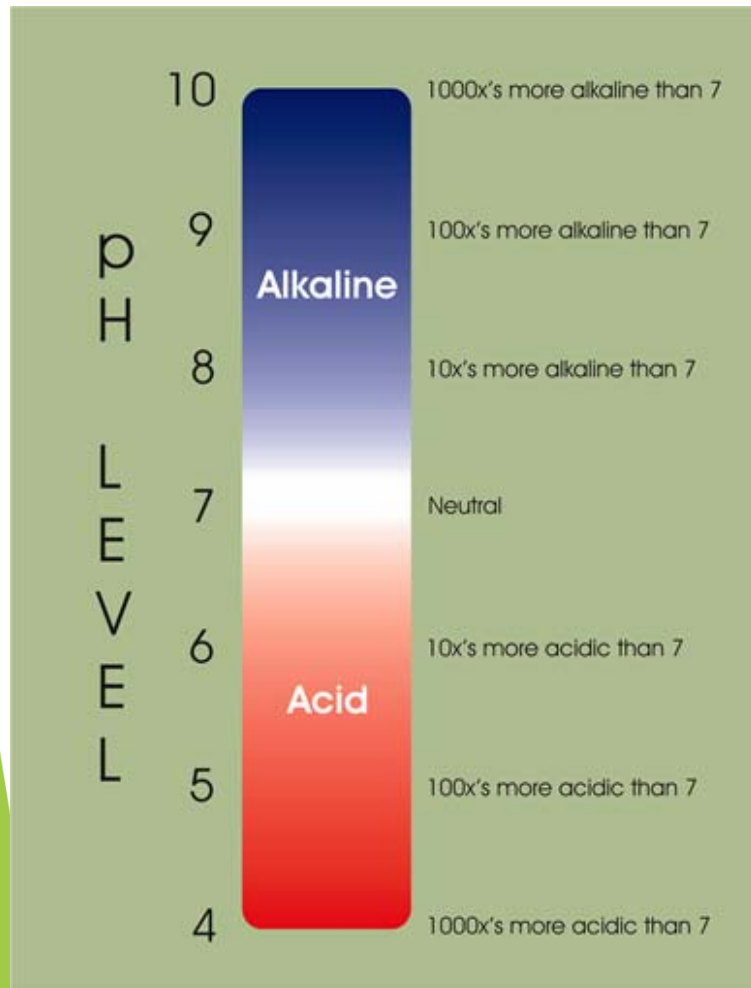


Minimum Analytical
Levels (MALs)
Methods Update Rule

**Appendix E. Minimum Analytical
Levels and Suggested Analytical
Methods (MALs)**

**-TCEQ working to incorporate new
EPA Methods Update Rule into IPs**

pH Screening Procedures



- Screening procedure established with EPA concurrence for certain direct discharges to classified segments
- pH Screening conducted:
 - major municipal facilities (≥ 1 MGD flow)
 - industrial discharges with process wastewater

IP Revisions



- **WET -RP analysis**
- **Dechlorination**
- **Variances**
- **Temperature – cooling water**
- **Updates to Segment flow data**
- **Update Segment ambient WQ data**
- **316(b) rule implementation**
- **Endangered species**
- **MALs/Methods Update Rule**
- **pH Screening procedures**
- **General updates and corrections**



Any
Questions
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