

STATUS OF WATER QUALITY GENERAL PERMITS
April 3, 2007

TITLE	DESCRIPTION	STATUS/ISSUES
TXR040000 Phase II MS4s (Municipal Separate Storm Sewer Systems)	Authorizes the discharge of storm water from small MS4s located in an urbanized area. Contact: CHooper (210-403-4080)	Set on April 11, 2007 Commissioner's agenda for adoption.
TXR050000 MSGP	Authorizes the discharge of storm water associated with industrial activities. Contact: KWilson (4644)	Expires August 14, 2011
TXR150000 Storm Water Construction	Authorizes the discharge of storm water from construction sites. Contact: KWilson (4644)	Preliminary draft has been prepared and reviewed by section manager.
TXG110000 Discharges from Concrete Production	Authorizes the discharge from concrete production facilities Contact: YPierce (6922)	Expires November 7, 2011
TXG130000 Aquaculture	Authorizes the discharge from aquaculture facilities. Contact: YPierce (6922)	Expires April 18, 2011
TXG340000 Petroleum Bulk Storage and Terminals	Authorizes the discharge from PBSTs Contact: YPierce (6922)	Set on April 11, 2007 Commissioner's agenda for adoption.
TXG500000 Discharges from quarries in the John Graves Scenic Waterways	Authorizes discharges from quarries in the John Graves Scenic Waterways Contact: KWilson (4644)	Working on draft.
TXG530000 Harris County On-site	Authorizes discharge from on-site treatment systems from single family residences located within the San Jacinto River Basin Contact: YPierce (6922)	Permit expires on April 31, 2008. Have begun drafting the renewal.
TXG670000 Hydrostatic Testing	Authorizes the discharges resulting from the hydrostatic testing of vessels. Contact: YPierce (6922)	Expires April 5, 2010.
TXG830000 Water Contaminated by Petroleum Product	Authorizes the discharge of water contained by petroleum fuel or petroleum substances. Contact YPierce (6922)	Sent to the EPA for 90 day review on March 12, 2007.
TXG920000 Concentrated Animal Feeding Operations	Authorizes the discharge from CAFOs. Contact: CMagnuire (5308)	Expires July 20, 2009.
WQG200000 Manure Compost	Authorizes the land application of wastewater from manure compost. Contact: YPierce	Expires 10/2007. Working on renewal.

WATER QUALITY STANDARDS REVISIONS
TCEQ Staff Draft April 3, 2007

For previous standards revisions in 2000, EPA has approved the revisions except for:

- Toxic criteria to protect aquatic life in freshwater
- Site-specific toxic criteria for 5 water bodies (4 for selenium)
- Including classified segments in the modifications of D.O. criteria for East Texas streams
- Various narrative provisions and criteria

Status of upcoming revisions:

- Preliminary informal comment recommending changes to existing rule, January-March 2006
- Initiation of rulemaking approved in November 2006
- Water Quality Standards Advisory Workgroup convened on March 7, 2007
- Next advisory workgroup meeting tentatively set for May 16, 2007

Consider numerical nutrient criteria for large water supply reservoirs.

- Nutrient criteria, for chlorophyll *a*, are drafted for up to 100 reservoirs.
- Phosphorus and nitrogen are also evaluated – to relate to chlorophyll *a*.
- TCEQ convened a nutrient advisory workgroup that has held 6 meetings.
- TCEQ sent EPA a nutrient development plan in Dec. 2004; and a revised plan in Nov. 2006.

Recalculate human-health toxic criteria to incorporate updated procedures to address child exposure, estimated amounts of fish consumed, and bioaccumulation rates – in coordination with toxicologists in the TCEQ Chief Engineer's Office.

- EPA has published new guidance on calculating toxic criteria to protect human health.
- Children's small body size is protected for exposure to non-carcinogens (more stringent).
- Amount of fish consumed is considered 17.5 g/day rather than 10 or 15 g/day (more stringent).
- Additional exposures from other sources are considered – when enough info becomes available.

Consider updating selected toxic criteria for both human-health and aquatic-life protection, including consideration of EPA 2001 guidelines for mercury to protect human consumption of fish.

- Mercury
 - Criterion would be as a fish tissue concentration, rather than a water concentration.
 - This approach would facilitate the use of site-specific bioaccumulation factors.
 - EPA guidance criterion is 0.3 ppm; target used for the TCEQ standards was 1.0 ppm.
 - TCEQ to develop options in coordination with toxicologists in Chief Engineer's Office.
- New EPA guidance for specific aquatic-life criteria
 - Allow use of a biotic ligand model as additional method for site-specific copper criteria.
 - Evaluate revised EPA criteria for diazinon, nonylphenol, tributyltin, cadmium.
- Revise or delete the provisions for addressing whole-effluent toxicity (WET) due to diazinon, since EPA has phased out diazinon for lawn and garden use.

Review results of recent studies to consider (1) aquatic-life uses for up to 154 additional streams, (2) toxic criteria for about 16 water bodies, and (3) revised uses and criteria for up to 21 large water bodies.

- Aquatic-life uses and dissolved oxygen criteria are based on receiving water assessments that are mainly conducted at discharge sites.
- Site-specific toxic criteria are based on water-effects ratio studies conducted by permittees.
- Revised uses and criteria to consider include:
 - Evaluating criteria for salts in Nolan River, Lake Tawakoni, Lake Lavon
 - Adding an aquatic-life use for Mid Pecan Bayou
 - Evaluating D.O. criteria for Lavaca River, W. Fork Trinity River, Little Wichita River

Review recreational criteria in order to consider (1) a broader range of recreational uses and associated bacteria criteria, (2) a methodology to study and assign recreational uses and criteria, and (3) updated procedures to assess whether recreational uses are being attained.

- New use categories could include primary and secondary contact recreation.
- Methodology for use-attainability would facilitate site-specific recreational criteria.
- Considerations for assessing attainment:
 - Assessing impairments with the average criterion, rather than the using both the average and single-sample max
 - More clearly defining “non-representative” sampling situations that might be excluded
 - Reviewing possibility of limited exemptions of data at very high streamflows
- In coordination with HGAC and others, TCEQ has initiated a federal grant to (1) evaluate options for recreational water quality standards and (2) to develop a framework and examples of recreational use-attainability analysis.

Review EPA’s new policy for WET testing [for the Standards Implementation Procedures].

- Requiring permittees to preclude sublethal toxicity in addition to lethal toxicity
- Requiring more WET limits based upon an estimate of “reasonable potential” for toxicity

Evaluate EPA’s recommendation to require chlorine removal for some additional domestic discharges, rather than only those that are permitted to discharge at least one million gallons a day [for the Standards Implementation Procedures].

A large number of additional revisions will also be considered in order to incorporate new data and information, improve clarity of various provisions.

For more information, search TCEQ’s website for “water quality standards,” and browse handouts for the water quality standards advisory workgroup.

TMDL Project List 4/3/2007

TMDL Project Name	Phase	Segment Number	TMDL Adopted
Houston S C - Nickel	Imp	1001, 1005, 1006, 1007, 1013, 1014, 1016, 1017, 2426, 2427, 2428, 2429, 2430, 2436	2000
E.V. Spence - TDS	Imp	1411	2001
Fort Worth - Legacy	Imp	0806, 0806A, 0806B, 0829, 0829A	2001
Lake Austin - DO	Imp	1403	2001
Dallas & Tarrant Co. - Legacy	Imp	0805, 0841, 0841A	2001
Arroyo Colorado - Legacy	Imp	2202, 2202A	2001
Clear Creek - Chlordane	Imp	1101, 1102	2001
Clear Creek - VOCs	Imp	1101, 1102	2001
N Bosque River - Phosphorus	Imp	1255, 1226	2001
Aquilla - Atrazine	Imp	1254	2001
Salado Creek - DO	Imp	1910	2002
Arroyo Colorado - Organics	Imp	2202	2003
Sabinal River - Nitrate & Nitrite	Imp	2110	2005
Lake Worth - PCBs	Imp	0807	2005
Clear Creek - Dissolved Solids	Imp	1102	2006
Lake O' the Pines - DO	Imp	0403	2006
Nueces Bay - Zinc in Oysters	Imp	2482	2007
Petronila Creek - Sulfate, Chloride, TDS	Imp	2204	2007
Upper Colorado River Below E.V. Spence - Chloride, TDS	Imp	1426	2007
Gilleland Creek - Bacteria	TMDL	1428C	2007
U Oyster Creek - Bacteria	TMDL	1245	2007
Guadalupe Above Canyon - Bacteria	TMDL	1806	2007
Upper San Antonio River - Bacteria	TMDL	1910, 1911, 1910A	2007
Orange County - Bacteria, DO, & pH	TMDL	0508, 0508A, 0508B, 0508C, 0511, 0511A, 0511B, 0511C, 0511E	2007
Mid Cibolo Creek - DO	TMDL	1913	2007
Oso Bay - Bacteria	TMDL	2485	2007
Peach Creek - Bacteria	TMDL	1803C	2008
Leon River - Bacteria	TMDL	1221	2008
Lower San Antonio River - Bacteria	TMDL	1901	2008
Oso Creek - Bacteria	TMDL	2485	2008
Matagorda/Tres Palacios - DO	TMDL	2451, 2452, 2483a, 2456	2008
Dickinson Bayou - DO	TMDL	1103	2008
Buffalo & Whiteoak Bayous - Bacteria	TMDL	1013, 1013A, 1013C, 1014, 1014H, 1014K, 1014M, 1014N, 1014O, 1017, 1017A, 1017B, 1017D, 1017E	2008
Oso Creek - Bacteria	TMDL	2485A	2008
U Oyster Creek - DO	TMDL	1245	2008
Copano Bay - Oyster Waters Bacteria	TMDL	2472, 2001, 2003	2008
Upper Texas Coast - Oyster Waters Bacteria	TMDL	2421, 2422, 2423, 2424, 2432, 2439	2008
Elm & Sandies Creek - DO & Bacteria	TMDL	1803A, 1803B	2008
Clear Creek Watershed - Bacteria	TMDL	1101, 1101B, 1102, 1102A, 1102B, 2425C	2008
Atascosa River - Bacteria	TMDL	2107	2008
Trinity River - Bacteria	TMDL	0805, 0806, 0841	2008

TMDL Project List 4/3/2007

TMDL Project Name	Phase	Segment Number	TMDL Adopted
Houston S C - Dioxin	TMDL	0901, 1001, 1005, 1006, 1007, 2421, 2426, 2427, 2428, 2429, 2430, 2436, 2438	2009
Leon San Antonio - PCBs	TMDL	1906	2010
Arroyo Colorado - DO II - Remodeling & Sampling	TMDL	2201	2010
Brays Bayou Watershed - Bacteria	TMDL	1007B, 1007C, 1007E, 1007L, 1007P	2010
Eastern Houston - Bacteria	TMDL	1006F, 1006H, 1007F, 1007G, 1007H, 1007I, 1007K, 1007M, 1007O, 1007R	2010
Greens Bayou Watershed - Bacteria	TMDL	1016, 1016A, 1016B, 1016C, 1016D	2010
Halls Bayou Watershed - Bacteria	TMDL	1006D, 1006E, 1006I, 1006J	2010
Sims Bayou Watershed - Bacteria	TMDL	1007D, 1007N, 1007Q	2010
Dickinson Bayou Watershed - Bacteria	TMDL	1103, 1103A, 1103B, 1103C, 1103D, 1104	2011
Trinity River - PCBs in Tissue	TMDL	0805, 0806, 0829, 0841	2011
Northwest Houston - Bacteria	TMDL	1002, 1004, 1004D, 1004E, 1008, 1008B, 1008H, 1009, 1009C, 1009D, 1009E	2012
Houston Ship Channel & Bays - PCBs in Tissue	TMDL	1001, 1005, 1006, 1007, 2421, 2426, 2427, 2428, 2429, 2430, 2436, 2438	2012