

SUBCHAPTER E : COLORADO RIVER WATERSHED

§311.41. Scope.

These sections apply to the Colorado River Watershed in Segment 1428, of the Texas Surface Water Quality Standards, including the Colorado River from Longhorn Dam to 100 meters downstream of State Highway 95/State Highway Loop 230 bridge in Smithville, Texas, and all tributaries of that segment of the Colorado River, and to Segment 1427, Onion Creek, and its tributaries, of the Texas Surface Water Quality Standards, from its confluence with the Colorado River to the most upstream crossing of Farm-to-Market Road 165.

§311.42. Effluent Requirements for the Main Stem of Segment 1428 of the Colorado River.

(a) All domestic sewage treatment permit applicants, all permittees who construct treatment facility expansions, and all permittees who apply for increases in their permitted effluent flows who propose to dispose of treated sewage effluent by discharge directly into Segment 1428 of the Colorado River shall, at a minimum, achieve the following level of effluent treatment:

- (1) 10 milligrams per liter of biochemical oxygen demand, based on a 30-day average;
- (2) 15 milligrams per liter of total suspended solids, based on a 30-day average;
- (3) two milligrams per liter of ammonia nitrogen, based on a 30-day average; and
- (4) five milligrams per liter, at least, of dissolved oxygen content, based on a 30-day average.

(b) Existing plants which discharge treated domestic sewage effluent directly into Segment 1428 of the Colorado River must meet the level of treatment set forth in subsection (a) of this section, by June 1, 1990. The commission may modify the date for compliance with the treatment levels based on consideration of economic and technical feasibility, actual or potential environmental impacts, or other appropriate factors.

(c) The treatment level in subsection (a) of this section, may be modified if the results of water quality studies show that this is necessary.

§311.43. Effluent Requirements for All Tributaries of Segment 1428 of the Colorado River and Segment 1427, Onion Creek, and Its Tributaries, of the Colorado River Basin.

(a) Except as provided in subsections (b) and (c) of this section, all discharges of treated sewage effluent into the waters of the state in the tributaries of Segment 1428 of the Colorado River or directly into Segment 1427, Onion Creek, of the Colorado River Basin and its tributaries shall, at a minimum, achieve the following level of effluent treatment:

- (1) five milligrams per liter of biochemical oxygen demand, based on a 30-day average;
- (2) five milligrams per liter of total suspended solids, based on a 30-day average;
- (3) two milligrams per liter of ammonia nitrogen, based on a 30-day average; and
- (4) one milligram per liter of phosphorus, based on a 30-day average.

(b) Subsection (a) of this section does not apply to any existing facilities which discharge treated domestic sewage effluent into tributaries of Segment 1428 of the Colorado River or Segment 1427, Onion Creek, and its tributaries, of the Colorado River Basin, so long as that facility remains at its permitted flow for the facility currently constructed. However, Subsection (a) of this section shall apply to all permitted facilities and phased facility expansions, not under substantial construction as of September 25, 1986, no later than June 1, 1990. This subsection shall not preclude the commission from imposing more stringent treatment levels to such facilities in the future if the results of water quality studies show that such is necessary.

(c) The City of Austin's Walnut Creek wastewater treatment facility, located at the south side of Farm-to-Market Road 969, approximately one mile east of the intersection of Farm-to-Market Road 969 and United States Highway 183 in Travis County, Texas must by October 1, 1997 meet, at a minimum, the effluent treatment level in subsection (a) of this section unless the discharge is relocated to the main stem of the Colorado River.

(d) The treatment level in subsection (a) of this section, may be modified if the results of water quality studies show that this is necessary.

§311.44. Disinfection.

(a) All sewage treatment facilities discharging into Segment 1428 of the Colorado River Basin and its tributaries, or Segment 1427, Onion Creek, and its tributaries, shall install dual-feed chlorination systems which are capable of automatically changing from one cylinder to another at the time they are constructed or by June 1, 1990.

(b) Chlorination disinfection systems shall be operated so that a minimum chlorine residual of 1.0 milligrams per liter and a maximum chlorine residual of 4.0 milligrams per liter, measured on an instantaneous grab sample, are met for all discharges into Segment 1428, the Colorado River Basin, and its tributaries, or Segment 1427, Onion Creek, and its tributaries.

(c) The commission may consider alternative disinfection methods on a case-by-case basis.