

The Texas Commission on Environmental Quality (TCEQ or commission) adopts an amendment to §297.1.

Section 297.1 is adopted *without change* to the proposed text as published in the February 24, 2012, issue of the *Texas Register* (37 TexReg 1186) and will not be republished.

Background and Summary of the Factual Basis for the Adopted Rule

During the 82nd Legislature, 2011, House Bill (HB) 2694 was passed. Section 5.01 of HB 2694 amended the definition of "Agriculture" under Texas Water Code (TWC), §11.002(12) by adding that "Agriculture" includes aquaculture as defined in Texas Agriculture Code, §134.001. Texas Agriculture Code, §134.001 states, "'Aquaculture' or 'fish farming' means the business of producing and selling cultured species raised in private facilities. Aquaculture or fish farming is an agricultural activity."

The commission adopts an amendment to §297.1 to implement HB 2694, §5.01, by adding the activity of aquaculture under the definition of "Agriculture or agricultural" in §297.1(1). The adopted amendment to §297.1(1) defines aquaculture as it is defined in the Texas Agriculture Code. The commission also adopts an amendment to §297.1 to remove commercial fish and shellfish production, i.e. aquaculture, from the term "Industrial use" in §297.1(24) in recognition of the fact that the term "Agriculture" now

includes the activity of aquaculture.

In a corresponding rulemaking published in this issue of the *Texas Register*, the commission also adopts revisions to 30 TAC Chapter 291, Utility Regulations, and 30 TAC Chapter 293, Water Districts.

Section Discussion

§297.1, Definitions

The commission adopts an amendment to §297.1(1) by adding subparagraph (G) concerning aquaculture to the list of activities that define the term "Agriculture or agricultural" and also defining aquaculture as it is defined in the Texas Agriculture Code. Because subparagraph (G) is added, the commission also deletes the word "and" from existing subparagraph (E) and adopts an amendment to existing subparagraph (F) in order to maintain the proper sequence of the subparagraphs and conform with grammatical and rulemaking form requirements. The commission also adopts an amendment to §297.1(24) by removing "commercial fish and shellfish production and" from the definition of "Industrial use" in recognition of the fact that the term "Agriculture" now includes the activity of aquaculture. The commission adopts this amendment to implement TWC, §11.002(12), as amended by HB 2694, 2011.

Final Regulatory Impact Analysis Determination

The commission reviewed the adopted rulemaking in light of the regulatory analysis requirements of Texas Government Code, §2001.0225 and determined that the rulemaking is not subject to §2001.0225. "Major environmental rule" means a rule, the specific intent of which is to protect the environment or reduce risks to human health from environmental exposure, and that may adversely affect in a material way the economy, a sector of the economy, productivity, competition, jobs, the environment, or the public health and safety of the state or a sector of the state.

First, the adopted rulemaking does not meet the statutory definition of a "major environmental rule" because its specific intent is not to protect the environment or reduce risks to human health from environmental exposure. The specific intent of the adopted rulemaking is to implement legislation enacted in 2011 by the 82nd Legislature, specifically HB 2694, §5.01. HB 2694, §5.01 added the term "aquaculture" as defined by the Texas Agriculture Code to the definitions in TWC, §11.002(12). The adopted rule defines the term "aquaculture" consistently with the amended statute.

Second, the adopted rulemaking does not meet the statutory definition of a "major environmental rule" because the adopted rule will not adversely affect in a material way the economy, a sector of the economy, productivity, competition, jobs, the environment, or the public health and safety of the state or a sector of the state. It is not anticipated that the cost of complying with the adopted rule will be significant with respect to the

economy as a whole or with respect to a sector of the economy; therefore, the adopted amendment will not adversely affect in a material way the economy, a sector of the economy, productivity, competition, or jobs.

The commission invited public comment regarding the draft regulatory impact analysis determination during the public comment period. The commission did not receive any comments regarding the draft regulatory impact analysis determination.

Takings Impact Assessment

The commission evaluated this adopted rulemaking and performed an assessment of whether the adopted rule constitutes a taking under Texas Government Code, Chapter 2007.

The commission adopted the rule for the specific purpose of implementing legislation enacted by the 82nd Legislature in 2011. The adopted rule amends definitions in Chapter 297. First, the term "aquaculture" as defined in Texas Agriculture Code, §134.001 is added to the definition of "Agriculture" in §297.1. Second, the phrase "commercial fish and shellfish production" is deleted from the definition of "Industrial use" in §297.1.

The commission's analysis reveals that amending the definitions in Chapter 297 will

achieve consistency with TWC, §11.002(12), as amended in 2011 by HB 2694 and with Texas Agriculture Code, §134.001, regarding aquaculture.

A "taking" under Texas Government Code Chapter 2007 means a governmental action that affects private real property in a manner that requires compensation to the owner under the United States or Texas Constitution, or a governmental action that affects real private property in a manner that restricts or limits the owner's right to the property and reduces the market value of affected real property by at least 25%.

Because no taking of private real property will occur by amending the definitions as adopted, the commission has determined that promulgation and enforcement of the adopted rule will be neither a statutory nor a constitutional taking of private real property. Specifically, there are no burdens imposed on private real property under the rule because the adopted rule neither relates to, nor has any impact on, the use or enjoyment of private real property, and there will be no reduction in real property value as a result of the rule. Therefore, the adopted rule does not constitute a taking under Texas Government Code, Chapter 2007.

Consistency with the Coastal Management Program

The commission reviewed the adopted rulemaking and found the adoption is a rulemaking identified in the Coastal Coordination Act Implementation Rules, 31 TAC

§505.11(b)(4) relating to rules subject to the Coastal Management Program (CMP), and will, therefore, require that goals and policies of the CMP be considered during the rulemaking process.

The commission reviewed this rulemaking for consistency with the CMP goals and policies in accordance with the regulations of the Coastal Coordination Council and determined that the rulemaking is administrative in nature and will have no substantive effect on commission actions subject to the CMP and is, therefore, consistent with CMP goals and policies.

The commission reviewed this rulemaking for consistency with the CMP goals and policies in accordance with the regulations of the Coastal Coordination Council and determined that the rulemaking is administrative in nature and will have no substantive effect on commission actions subject to the CMP and is, therefore, consistent with CMP goals and policies.

The commission invited public comment regarding the consistency with the CMP during the public comment period. The commission did not receive any comments regarding the adopted rulemaking's consistency with the CMP.

Public Comment

The commission held a public hearing on March 20, 2012. The comment period closed on March 26, 2012. The commission did not receive any comments on this rulemaking.

SUBCHAPTER A: DEFINITIONS AND APPLICABILITY

§297.1

Statutory Authority

The amendment is adopted under Texas Water Code, §5.102, which establishes the commission's general authority necessary to carry out its jurisdiction; §5.103, which establishes the commission's general authority to adopt rules; and §5.105, which establishes the commission's authority to set policy by rule.

The adopted amendment implements House Bill 2694, §5.01, 82nd Legislature, 2011.

§297.1. Definitions.

The following words and terms, when used in this chapter and in Chapters 288 and 295 of this title (relating to Water Conservation Plans, Drought Contingency Plans, Guidelines and Requirements; and Water Rights, Procedural, respectively), shall have the following meanings, unless the context clearly indicates otherwise.

(1) Agriculture or agricultural--means any of the following activities:

(A) cultivating the soil to produce crops for human food, animal

feed, or planting seed or for the production of fibers;

(B) the practice of floriculture, viticulture, silviculture, and horticulture, including the cultivation of plants in containers or non-soil media by a nursery grower;

(C) raising, feeding, or keeping animals for breeding purposes or for the production of food or fiber, leather, pelts, or other tangible products having a commercial value;

(D) raising or keeping equine animals;

(E) wildlife management;

(F) planting cover crops, including cover crops cultivated for transplantation, or leaving land idle for the purpose of participating in any governmental program or normal crop or livestock rotation procedure; and

(G) aquaculture as defined in Texas Agriculture Code, §134.001, which reads "'aquaculture' or 'fish farming' means the business of producing and selling cultured species raised in private facilities. Aquaculture or fish farming is an agricultural

activity."

(2) Agricultural use--Any use or activity involving agriculture, including irrigation.

(3) Appropriations--The process or series of operations by which an appropriative right is acquired. A completed appropriation thus results in an appropriative right; the water to which a completed appropriation in good standing relates is appropriated water.

(4) Appropriative right--The right to impound, divert, store, take, or use a specific quantity of state water acquired by law.

(5) Aquifer Storage and Retrieval Project--A project with two phases that anticipates the use of a Class V aquifer storage well, as defined in §331.2 of this title (relating to Definitions), for injection into a geologic formation, group of formations, or part of a formation that is capable of underground storage of appropriated surface water for subsequent retrieval and beneficial use. Phase I of the project requires commission authorization by a temporary or term permit to determine feasibility for ultimate storage and retrieval for beneficial use. Phase II of the project requires commission authorization by permit or permit amendment after the commission has determined

that Phase I of the project has been successful.

(6) Baseflow or normal flow--The portion of streamflow uninfluenced by recent rainfall or flood runoff and is comprised of springflow, seepage, discharge from artesian wells or other groundwater sources, and the delayed drainage of large lakes and swamps. (Accountable effluent discharges from municipal, industrial, agricultural, or other uses of ground or surface waters may be included at times.)

(7) Beneficial inflows--Freshwater inflows providing for a salinity, nutrient, and sediment loading regime adequate to maintain an ecologically sound environment in the receiving bay and estuary that is necessary for the maintenance of productivity of economically important and ecologically characteristic sport or commercial fish and shellfish species and estuarine life upon which such fish and shellfish are dependent.

(8) Beneficial use--Use of the amount of water which is economically necessary for a purpose authorized by law, when reasonable intelligence and reasonable diligence are used in applying the water to that purpose and shall include conserved water.

(9) Certificate of adjudication--An instrument evidencing a water right

issued to each person adjudicated a water right in conformity with the provisions of Texas Water Code, §11.323, or the final judgment and decree in State of Texas v. Hidalgo County Water Control and Improvement District No. 18, 443 S.W.2d 728 (Texas Civil Appeals - Corpus Christi 1969, writ ref. n.r.e.).

(10) Certified filing--A declaration of appropriation or affidavit which was filed with the State Board of Water Engineers under the provisions of the 33rd Legislature, 1913, General Laws, Chapter 171, §14, as amended.

(11) Claim--A sworn statement filed under Texas Water Code, §11.303.

(12) Commencement of construction--An actual, visible step beyond planning or land acquisition, which forms the beginning of the on-going (continuous) construction of a project in the manner specified in the approved plans and specifications, where required, for that project. The action must be performed in good faith with the bona fide intent to proceed with the construction.

(13) Conservation--Those practices, techniques, and technologies that will reduce the consumption of water, reduce the loss or waste of water, improve the efficiency in the use of water, or increase the recycling and reuse of water so that a water supply is made available for future or alternative uses.

(14) Conserved water--That amount of water saved by a water right holder through practices, techniques, or technologies that would otherwise be irretrievably lost to all consumptive beneficial uses arising from the storage, transportation, distribution, or application of the water. Conserved water does not mean water made available simply through its non-use without the use of such practices, techniques, or technologies.

(15) Dam--Any artificial structure, together with any appurtenant works, which impounds or stores water. All structures which are necessary to impound a single body of water shall be considered as one dam. A structure used only for diverting water from a watercourse by gravity is a diversion dam.

(16) Diffused surface water--Water on the surface of the land in places other than watercourses. Diffused water may flow vagrantly over broad areas coming to rest in natural depressions, playa lakes, bogs, or marshes. (An essential characteristic of diffused water is that its flow is short-lived.)

(17) District--Any district or authority created by authority of the Texas Constitution, either Article III, §52, (b), (1) and (2), or Article XVI, §59.

(18) Domestic use--Use of water by an individual or a household to

support domestic activity. Such use may include water for drinking, washing, or culinary purposes; for irrigation of lawns, or of a family garden and/or orchard; for watering of domestic animals; and for water recreation including aquatic and wildlife enjoyment. If the water is diverted, it must be diverted solely through the efforts of the user. Domestic use does not include water used to support activities for which consideration is given or received or for which the product of the activity is sold.

(19) Drought of record--The historic period of record for a watershed in which the lowest flows were known to have occurred based on naturalized streamflow.

(20) Firm yield--That amount of water, that the reservoir could have produced annually if it had been in place during the worst drought of record. In performing this simulation, naturalized streamflows will be modified as appropriate to account for the full exercise of upstream senior water rights is assumed as well as the passage of sufficient water to satisfy all downstream senior water rights valued at their full authorized amounts and conditions as well as the passage of flows needed to meet all applicable permit conditions relating to instream and freshwater inflow requirements.

(21) Groundwater--Water under the surface of the ground other than underflow of a stream and underground streams, whatever may be the geologic

structure in which it is standing or moving.

(22) Habitat Mitigation--Actions taken to off-set anticipated adverse environmental impacts from a proposed project. Such actions and their sequence include:

(A) avoiding the impact altogether by not taking a certain action or parts of an action or pursuing a reasonably practicable alternative;

(B) minimizing impacts by limiting the degree or magnitude of the action and its implementation;

(C) rectifying the impact by repairing, rehabilitating, or restoring the affected environment;

(D) reducing or eliminating the impact over time by preservation and maintenance operations during the life of the project; and

(E) compensating for the impact by replacing or providing substitute resources or environments.

(23) Hydropower use--The use of water for hydroelectric and hydromechanical power and for other mechanical devices of like nature.

(24) Industrial use--The use of water in processes designed to convert materials of a lower order of value into forms having greater usability and commercial value, including the development of power by means other than hydroelectric, but does not include agricultural use.

(25) Instream use--The beneficial use of instream flows for such purposes including, but not limited to, navigation, recreation, hydropower, fisheries, game preserves, stock raising, park purposes, aesthetics, water quality protection, aquatic and riparian wildlife habitat, freshwater inflows for bays and estuaries, and any other instream use recognized by law. An instream use is a beneficial use of water. Water necessary to protect instream uses for water quality, aquatic and riparian wildlife habitat, recreation, navigation, bays and estuaries, and other public purposes may be reserved from appropriation by the commission.

(26) Irrigation--The use of water for the irrigation of crops, trees, and pasture land, including, but not limited to, golf courses and parks which do not receive water through a municipal distribution system.

(27) Irrigation water efficiency--The percentage of that amount of irrigation water which is beneficially used by agriculture crops or other vegetation relative to the amount of water diverted from the source(s) of supply. Beneficial uses of water for irrigation purposes include but are not limited to evapotranspiration needs for vegetative maintenance and growth and salinity management and leaching requirements associated with irrigation.

(28) Livestock use--The use of water for the open-range watering of livestock, exotic livestock, game animals or fur-bearing animals. For purposes of this definition, the terms livestock and exotic livestock are to be used as defined in §142.001 of the Agriculture Code, and the terms game animals and fur-bearing animals are to be used as defined in §63.001 and §71.001, respectively, of the Parks and Wildlife Code.

(29) Mariculture--The propagation and rearing of aquatic species, including shrimp, other crustaceans, finfish, mollusks, and other similar creatures in a controlled environment using brackish or marine water.

(30) Mining use--The use of water for mining processes including hydraulic use, drilling, washing sand and gravel, and oil field repressuring.

(31) Municipal per capita water use--The sum total of water diverted into a

water supply system for residential, commercial, and public and institutional uses divided by actual population served.

(32) Municipal use--The use of potable water within a community or municipality and its environs for domestic, recreational, commercial, or industrial purposes or for the watering of golf courses, parks and parkways, or the use of reclaimed water in lieu of potable water for the preceding purposes or the application of municipal sewage effluent on land, under a Texas Water Code, Chapter 26, permit where:

(A) the application site is land owned or leased by the Chapter 26 permit holder; or

(B) the application site is within an area for which the commission has adopted a no-discharge rule.

(33) Navigable stream--By law, Natural Resources Code, §21.001(3), any stream or streambed as long as it maintains from its mouth upstream an average width of 30 feet or more, at which point it becomes statutorily nonnavigable.

(34) Nursery grower--A person engaged in the practice of floriculture, viticulture, silviculture, and horticulture, including the cultivation of plants in

containers or nonsoil media, who grows more than 50% of the products that the person either sells or leases, regardless of the variety sold, leased, or grown. For the purpose of this definition, grow means the actual cultivation or propagation of the product beyond the mere holding or maintaining of the item prior to sale or lease and typically includes activities associated with the production or multiplying of stock such as the development of new plants from cuttings, grafts, plugs, or seedlings.

(35) One-hundred-year flood--The flood peak discharge of a stream, based upon statistical data, which would have a 1.0% chance of occurring in any given year.

(36) Permit--The authorization by the commission to a person whose application for a permit has been granted. A permit also means any water right issued, amended, or otherwise administered by the commission unless the context clearly indicates that the water right being referenced is being limited to a certificate of adjudication, certified filing, or unadjudicated claim.

(37) Pollution--The alteration of the physical, thermal, chemical, or biological quality of, or the contamination of any water in the state that renders the water harmful or detrimental to humans, animal life, vegetation, or property, or the public health, safety or welfare, or impairs the usefulness of the public enjoyment of the waters for any lawful or reasonable purpose.

(38) Priority--As between appropriators, the first in time is the first in right, Texas Water Code, §11.027, unless determined otherwise by an appropriate court or state law.

(39) Reclaimed water--Municipal or industrial wastewater or process water that is under the direct control of the treatment plant owner/operator, or agricultural tailwater that has been collected for reuse, and which has been treated to a quality suitable for the authorized beneficial use.

(40) Recreational use--The use of water impounded in or diverted or released from a reservoir or watercourse for fishing, swimming, water skiing, boating, hunting, and other forms of water recreation, including aquatic and wildlife enjoyment, and aesthetic land enhancement of a subdivision, golf course, or similar development.

(41) Register--The *Texas Register*.

(42) Reservoir system operations--The coordinated operation of more than one reservoir or a reservoir in combination with a direct diversion facility in order to optimize available water supplies.

(43) Return water or return flow--That portion of state water diverted from a water supply and beneficially used which is not consumed as a consequence of that use and returns to a watercourse. Return flow includes sewage effluent.

(44) Reuse--The authorized use for one or more beneficial purposes of use of water that remains unconsumed after the water is used for the original purpose of use and before that water is either disposed of or discharged or otherwise allowed to flow into a watercourse, lake, or other body of state-owned water.

(45) River basin--A river or coastal basin designated by the Texas Water Development Board as a river basin under Texas Water Code, §16.051. The term does not include waters originating in bays or arms of the Gulf of Mexico.

(46) Runoff--That portion of streamflow comprised of surface drainage or rainwater from land or other surfaces during or immediately following a rainfall.

(47) Secondary use--The reuse of state water for a purpose after the original, authorized use.

(48) Sewage or sewage effluent--Water-carried human or animal wastes from residences, buildings, industrial establishments, cities, towns, or other places,

together with any groundwater infiltration and surface waters with which it may be commingled.

(49) Spreader dam--A levee-type embankment placed on alluvial fans or within a flood plain of a watercourse, common to land use practices, for the purpose of overland spreading of diffused waters and overbank flows.

(50) State water--The water of the ordinary flow, underflow, and tides of every flowing river, natural stream, and lake, and of every bay or arm of the Gulf of Mexico, and the stormwater, floodwater, and rainwater of every river, natural stream, and watercourse in the state. State water also includes water which is imported from any source outside the boundaries of the state for use in the state and which is transported through the beds and banks of any navigable stream within the state or by utilizing any facilities owned or operated by the state. Additionally, state water injected into the ground for an aquifer storage and recovery project remains state water. State water does not include percolating groundwater; nor does it include diffuse surface rainfall runoff, groundwater seepage, or springwater before it reaches a watercourse.

(51) Stormwater or floodwater--Water flowing in a watercourse as the result of recent rainfall.

(52) Streamflow--The water flowing within a watercourse.

(53) Surplus water--Water taken from any source in excess of the initial or continued beneficial use of the appropriator for the purpose or purposes authorized by law. Water that is recirculated within a reservoir for cooling purposes shall not be considered to be surplus water.

(54) Unappropriated water--The amount of state water remaining in a watercourse or other source of supply after taking into account complete satisfaction of all existing water rights valued at their full authorized amounts and conditions.

(55) Underflow of a stream--Water in sand, soil, and gravel below the bed of the watercourse, together with the water in the lateral extensions of the water-bearing material on each side of the surface channel, such that the surface flows are in contact with the subsurface flows, the latter flows being confined within a space reasonably defined and having a direction corresponding to that of the surface flow.

(56) Waste--The diversion of water if the water is not used for a beneficial purpose; the use of that amount of water in excess of that which is economically reasonable for an authorized purpose when reasonable intelligence and reasonable diligence are used in applying the water to that purpose. Waste may include, but not be

limited to, the unreasonable loss of water through faulty design or negligent operation of a water delivery, distribution or application system, or the diversion or use of water in any manner that causes or threatens to cause pollution of water. Waste does not include the beneficial use of water where the water may become polluted because of the nature of its use, such as domestic or residential use, but is subsequently treated in accordance with all applicable rules and standards prior to its discharge into or adjacent to water in the state so that it may be subsequently beneficially used.

(57) Water conservation plan--A strategy or combination of strategies for reducing the volume of water withdrawn from a water supply source, for preventing or reducing the loss or waste of water, for maintaining or improving the efficiency in the use of water, for increasing the recycling and reuse of water, and for preventing the pollution of water. A water conservation plan may be a separate planning document or may be contained within another water management document(s).

(58) Water in the state--Groundwater, percolating or otherwise, lakes, bays, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Gulf of Mexico inside the territorial limits of the state, and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, navigable or nonnavigable, and including the beds and banks of all watercourses and bodies of surface water, that are wholly or partially inside or bordering the state or inside the

jurisdiction of the state.

(59) Watercourse--A definite channel of a stream in which water flows within a defined bed and banks, originating from a definite source or sources. (The water may flow continuously or intermittently, and if the latter with some degree of regularity, depending on the characteristics of the sources.)

(60) Water right--A right or any amendment thereto acquired under the laws of this state to impound, divert, store, convey, take, or use state water.

(61) Watershed--A term used to designate the area drained by a stream and its tributaries, or the drainage area upstream from a specified point on a stream.

(62) Water supply--Any body of water, whether static or moving, either on or under the surface of the ground, available for beneficial use on a reasonably dependable basis.

(63) Wetland--An area (including a swamp, marsh, bog, prairie pothole, playa, or similar area) having a predominance of hydric soils that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support and that under normal circumstances supports the growth and regeneration of

hydrophytic vegetation. The term "hydric soil" means soil that, in its undrained condition is saturated, flooded, or ponded long enough during a growing season to develop an anaerobic condition that supports the growth and regeneration of hydrophytic vegetation. The term "hydrophytic vegetation" means a plant growing in water or a substrate that is at least periodically deficient in oxygen during a growing season as a result of excessive water content. The term "wetland" does not include:

(A) irrigated acreage used as farmland;

(B) man-made wetlands of less than one acre; or

(C) man-made wetlands not constructed with wetland creation as a stated objective, including, but not limited to, impoundments made for the purpose of soil and water conservation which have been approved or requested by soil and water conservation districts. This definition does not apply to man-made wetlands described under this subparagraph constructed or created on or after August 28, 1989. If this definition conflicts with the federal definition in any manner, the federal definition prevails.