S.B. No. 483

AN ACT

relating to permits for certain injection wells that transect a portion of the Edwards Aquifer.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF TEXAS:

SECTION 1.  Section 27.0516(a)(1), Water Code, is amended to read as follows:

(1)  "Edwards Aquifer" means that portion of an arcuate belt of porous, waterbearing limestones composed of the Edwards Formation, Georgetown Formation, Comanche Peak Formation, Salmon Peak Limestone, McKnight Formation, West Nueces Formation, Devil's River Limestone, Person Formation, Kainer Formation, and Edwards Group, together with the Upper Glen Rose Formation where scientific studies have documented a hydrological connection to the overlying Edwards Group trending from west to east to northeast through Kinney, Uvalde, Medina, Bexar, Kendall, Comal, Hays, Travis, and Williamson Counties. The permeable aquifer units generally overlie the less-permeable Glen Rose Formation to the south, overlie the less-permeable Comanche Peak and Walnut Formations north of the Colorado River, and underlie the less-permeable Del Rio Clay regionally.

SECTION 2.  Sections 27.0516(b), (f), (h), (k), and (n), Water Code, are amended to read as follows:

(b)  This section applies only to the portion of the Edwards Aquifer that is within the geographic area circumscribed by the external boundaries of the Barton Springs-Edwards Aquifer Conservation District but is not in the jurisdiction [~~that district's territory or the territory~~] of the Edwards Aquifer Authority. This section does not apply to a wastewater facility permitted under Chapter 26 or a subsurface area drip dispersal system permitted under Chapter 32.

(f)  The commission by rule, individual permit, or general permit may authorize:

(1)  an activity described by Subsection (e);

(2)  an injection well that transects and isolates the saline portion of the Edwards Aquifer and terminates in a lower aquifer for the purpose of injecting:

(A)  concentrate from a desalination facility; or

(B)  fresh water as part of an engineered aquifer storage and recovery facility;

(3)  an injection well that terminates in that part of the saline portion of the Edwards Aquifer that has a total dissolved solids concentration of more than 10,000 milligrams per liter for the purpose of injecting into the saline portion of the Edwards Aquifer:

(A)  concentrate from a desalination facility, provided that the injection well must be at least three miles from the closest outlet of Barton Springs; or

(B)  fresh water as part of an engineered aquifer and storage recovery facility, provided that each well used for injection or withdrawal from the facility must be at least three miles from the closest outlet of Barton Springs; [~~or~~]

(4)  an injection well that transects or terminates in the Edwards Aquifer for:

(A)  aquifer remediation;

(B)  the injection of a nontoxic tracer dye as part of a hydrologic study; or

(C)  another beneficial activity that is designed and undertaken for the purpose of increasing protection of an underground source of drinking water from pollution or other deleterious effects; or

(5)  the injection of fresh water into a well that transects the Edwards Aquifer provided that:

(A)  the well isolates the Edwards Aquifer and meets the construction and completion standards adopted by the commission under Section 27.154;

(B)  the well is part of an engineered aquifer storage and recovery facility;

(C)  the injected water:

(i)  is sourced from a public water system, as defined by commission rule, that is permitted by the commission; and

(ii)  meets water quality standards for public drinking water established by commission rule; and

(D)  the injection complies with the provisions of Subchapter G that are not in conflict with this section.

(h)  Rules adopted or a [~~general~~] permit issued under this section:

(1)  must require that an injection well authorized by the rules or permit be monitored by means of:

(A)  one or more [~~a~~] monitoring wells [~~well~~] operated by the injection well owner if the commission determines that there is an underground source of drinking water in the area of review that is potentially affected by the injection well; or

(B)  if Paragraph (A) does not apply, one or more [~~a~~] monitoring wells [~~well~~] operated by a party other than the injection well owner, provided that all results of monitoring are promptly made available to the injection well owner;

(2)  must ensure that an authorized activity will not result in the waste or pollution of fresh water;

(3)  may not authorize an injection well under Subsection (f)(2), [~~or~~] (3), or (5) unless the well is initially associated with a small-scale research project designed to evaluate the long-term feasibility and safety of:

(A)  the injection of concentrate from a desalination facility; or

(B)  an aquifer storage and recovery project;

(4)  must require any authorization granted to be renewed at least as frequently as every 10 years;

(5)  must require that an injection well authorized under Subsection (f)(2)(A) or (3)(A) be monitored on an ongoing basis by or in coordination with the well owner and that the well owner file monitoring reports with the commission at least as frequently as every three months; [~~and~~]

(6)  must ensure that any injection well authorized for the purpose of injecting concentrate from a desalination facility does not transect the fresh water portion of the Edwards Aquifer; and

(7)  must ensure that an engineered aquifer storage and recovery facility project is consistent with the provisions of Subchapter G that are not in conflict with this section.

(k)  Notwithstanding Subsection (h)(3), the commission by rule, individual permit, or [~~a~~] general permit may authorize the owner of an injection well authorized under Subsection (f)(2), [~~or~~] (3), or (5) to continue operating the well for the purpose of implementing the desalination or engineered aquifer storage and recovery project following completion of the small-scale research project, provided that:

(1)  the injection well owner timely submits the information collected as part of the research project, including monitoring reports and information regarding the environmental impact of the well, to the commission;

(2)  the injection well owner, following the completion of studies and monitoring adequate to characterize risks to the fresh water portion of the Edwards Aquifer, formations included in the Trinity Group, or [~~and~~] other fresh water associated with the continued operation of the well, and at least 90 days before the date the owner initiates commercial well operations, files with the commission a notice of intent to continue operation of the well after completion of the research project; and

(3)  the commission, based on the studies and monitoring, the report provided by Texas State University--San Marcos under Subsection (l)(2), and any other reasonably available information, determines that continued operation of the injection well as described in the notice of intent does not pose an unreasonable risk to the fresh water portion of the Edwards Aquifer, formations included in the Trinity Group, or other fresh water associated with the continued operation of the well.

(n)  If the commission preliminarily determines that continued operation of the injection well would pose an unreasonable risk to the fresh water portion of the Edwards Aquifer, formations included in the Trinity Group, or other fresh water associated with the continued operation of the well, the commission shall notify the operator and specify, if possible, what well modifications or operational controls would be adequate to prevent that unreasonable risk. If the operator fails to modify the injection well as specified by the commission, the commission shall require the operator to cease operating the well.

SECTION 3.  The changes in law made by this Act apply only to an application for an authorization described by Section 27.0516, Water Code, as amended by this Act, filed with the Texas Commission on Environmental Quality on or after the effective date of this Act. An application filed with the Texas Commission on Environmental Quality before the effective date of this Act is governed by the law in effect on the date of filing, and that law is continued in effect for that purpose.

SECTION 4.  This Act takes effect immediately if it receives a vote of two-thirds of all the members elected to each house, as provided by Section 39, Article III, Texas Constitution. If this Act does not receive the vote necessary for immediate effect, this Act takes effect September 1, 2019.

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I hereby certify that S.B. No. 483 passed the Senate on April 17, 2019, by the following vote: Yeas 31, Nays 0; and that the Senate concurred in House amendment on May 25, 2019, by the following vote: Yeas 30, Nays 0.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    Secretary of the Senate

I hereby certify that S.B. No. 483 passed the House, with amendment, on May 22, 2019, by the following vote: Yeas 142, Nays 2, two present not voting.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    Chief Clerk of the House

Approved:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_             Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_           Governor