# Texas Commission on Environmental Quality

## Underground Injection Control Permits Section

### **Application for a**

### **Class V Injection Well Authorization for Disposal of**

### **Nonhazardous Brine Generated by a Desalination Operation or Nonhazardous Drinking Water Treatment Residuals**

#### **(for Injection into a Railroad Commission of Texas Permitted Class II Injection Well)**

**Instructions**

Submit an original and two copies of the Application for a Class V Injection Well Authorization for Disposal of Nonhazardous Brine Generated by a Desalination Operation or Nonhazardous Drinking Water Treatment Residuals (DWTR) (application) to:

Texas Commission on Environmental Quality

Underground Injection Control Permits Section

Radioactive Materials Division

MC233

PO Box 13087

Austin, Texas 78711-3087

Complete all of Sections I through III of the application. The purpose of this application is to serve as the means for the Class II injection well owner or operator to provide notice to the Texas Commission on Environmental Quality (TCEQ) UIC Program of its intent to operate a well in accordance with the inventory and approval requirements of 30 Texas Administrative Code §331.10.

In addition to the application, the TCEQ requires that a Core Data Form (Form TCEQ-10400) be submitted on all incoming applications. For more information regarding the [Core Data Form](https://www.tceq.texas.gov/assets/public/permitting/centralregistry/10400.docx)[[1]](#footnote-1), call (512) 239-5175 or go to the [Core Data Form Instructions](https://www.tceq.texas.gov/assets/public/permitting/centralregistry/10400-inst.pdf)[[2]](#footnote-2) on the TCEQ Web site.

TCEQ Executive Director approval of the Class V application is required prior to disposal of nonhazardous brine generated by a desalination operation or nonhazardous DWTR (certain nonhazardous brine waste)[[3]](#footnote-3) by injection into a Class II UIC well permitted by the Railroad Commission of Texas.

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#### **(for Injection into a Railroad Commission of Texas Permitted Class II Injection Well)**

**For TCEQ Use Only**

Authorization No.

Date Received

Date Authorized

##### **Section I. General Information**

##### **Provide the information in items 1 through 5**

1. Railroad Commission of Texas (RRC) Permit/Authorization

W-14 Permit Number       or W-1 Permit Number:

H-10 Status:

API Number:

Lease Name:

Lease Number:

1. Individual to be contacted regarding this Class V application:

Title:

Address (Street, City, State, and Zip Code):

Phone Number:

1. Well Operator

Operator(s):      \

Contact Name(s):      \

Address (Street, City, State, and Zip Code):      \

Phone Number(s):      \

1. Latitude and Longitude of the Class II injection well and method of determination (GPS, topographic map, etc.):

Provide a Topographic Quadrangle Map which identifies the facility location relative to major streets or roadways as **Attachment A**.

Provide a Site Map as **Attachment B**.

1. Provide a detailed description of the purpose of the Class V injection well authorization (i.e., details regarding disposal of (certain nonhazardous brine waste)[[4]](#footnote-4):       (This information may be submitted as an attachment to this document.

###### Section II. Injection Well Operations Information

###### Provide the information in items 6 through 8

1. Description of proposed Class V UIC injectate (nonhazardous desalination brine and/or nonhazardous DWTR):
2. Projected volume of certain nonhazardous brine waste to be injected annually (gallons):
3. Provide results in tabular format of analytical testing of certain nonhazardous brine waste which demonstrate that the waste stream is nonhazardous. The permittee shall ensure that all analyses used for waste characterization have been performed in accordance with methods specified in the current edition of EPA SW-846. Provide results as **Attachment C**.

Include analyses for:

* specific gravity;
* viscosity;
* pH;
* total dissolved solids (TDS);
* radionuclides; and
* hazardous characteristics (corrosivity, ignitibility, reactivity, etc.).

###### Section III. Well Authorization

###### Provide the information in item 9

1. Submit a copy of the RRC Class II Injection Well Application (Form W-14 or H-1/H-1A) with relevant supporting forms and documents (e.g., casing and cementing records, etc.) and final issued permit as **Attachment D**.

**NOTE:**  This Authorization Form must be completed in detail and authorization issued by the Executive Director of the TCEQ before Class V disposal operation can begin. Attach additional pages as necessary.

1. https://www.tceq.texas.gov/assets/public/permitting/centralregistry/10400.docx [↑](#footnote-ref-1)
2. <https://www.tceq.texas.gov/assets/public/permitting/centralregistry/10400-inst.pdf> [↑](#footnote-ref-2)
3. In this document the phrase “nonhazardous brine generated by a desalination operation or nonhazardous drinking water treatment residuals” refers to nonhazardous “desalination brine” or nonhazardous “desalination concentrate” as defined in [30 TAC §331.2(35)-(36)](http://texreg.sos.state.tx.us/public/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=30&pt=1&ch=331&rl=2). For brevity it is abbreviated “certain nonhazardous brine waste” in the rest of this document. [↑](#footnote-ref-3)
4. Nonhazardous “desalination brine” or nonhazardous “desalination concentrate” as defined in [30 TAC §331.2(35)-(36)](http://texreg.sos.state.tx.us/public/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=30&pt=1&ch=331&rl=2) [↑](#footnote-ref-4)