



Instructions and Application to Use Industrial Reclaimed Water

Please follow these instructions while completing the application to use industrial reclaimed water. All items in the application must be addressed. If an item is not addressed, a notice of deficiency will be sent to the applicant's representative, and significant delays in processing the application may result.

The application form may not be altered in any way. Applications that are not in the original format and page numbering sequence will not be processed and will be returned. Questions cannot be rearranged or deleted.

PURPOSE

A person wishing to beneficially use industrial wastewater as industrial reclaimed water may use this application to apply for a Level II written authorization under 30 Texas Administrative Code (TAC), Chapter 210, Subchapter E: Special Requirements for Use of Industrial Reclaimed Water.

OBJECTIVES

These instructions are intended to answer the following questions:

- Who does not need to submit an application?
- What is a Level I Authorization?
- Who cannot apply for authorization?
- Who must submit the application?
- When must the application be submitted?
- How must the application be submitted?
- How much does a reuse application cost?
- How long is the application process?
- How do I complete the application?
- How do I obtain additional information and assistance?

ABBREVIATIONS AND ACRONYMS

CFR	Code of Federal Regulations
gpd	gallons per day
MAL	minimum analytical level
MGD	million gallons per day
mg/L	milligrams per liter
POTW	publically owned treatment works
SU	standard units
TAC	Texas Administrative Code
TCEQ	Texas Commission on Environmental Quality
TLAP	Texas Land Application Permit
TPDES	Texas Pollutant Discharge Elimination System
µg/L	micrograms per liter
USGS	United Stated Geological Survey

DEFINITIONS

Blowdown—the discharge of re-circulating water for the purpose of discharging materials contained in the water, the further buildup of which would cause concentration in amounts that could damage or impair machinery, equipment, or systems.

Commingled wastewater—industrial wastewater that contains any amount of domestic wastewater.

Containing—the pollutant(s) of concern are measured at levels that exceed the minimum analytical level.

Discharge—the release or disposal of waste into or adjacent to any water in the state that in itself or in conjunction with any other discharge or activity causes, continues to cause, or will cause pollution of any of the water in the state.

Dioxins and furans—tetra-, penta-, hexa-, hepta-, and octa-chlorinated dibenzo dioxins and furans.

End use—landscape irrigation, soil compaction, dust suppression, impoundment maintenance, or industrial wastewater that is otherwise land applied in accordance with all applicable regulations.

Industrial reclaimed water—any industrial wastewater which has been treated, if necessary, to a quality suitable for land application for beneficial use.

Industrial wastewater—non-domestic or non-municipal wastewater.

Land application—the discharge of waste adjacent to water in the state (examples: irrigation and dust suppression).

Minimum analytical level (MAL)—the lowest concentration at which a particular substance can be quantitatively measured in the matrix of concern (i.e., wastewater) with a defined precision level, using approved analytical methods.

Non-contact cooling water—water used for cooling which does not come into direct contact with any raw material, intermediate product, waste product, by-product, or finished product.

On-site use—the use of industrial reclaimed water within the boundaries of the industrial facility or within the boundaries of property that is contiguous to the facility and owned or operated by the producer.

Once-through cooling water—water passed through main cooling condensers in one or two passes for the purpose of removing waste heat.

Playa lake—a shallow (generally less than one meter deep), isolated, naturally ephemeral approximately circular lake located in an enclosed basin in the High Plains and West Central Plains areas of the state.

Priority pollutants—pollutants listed in 40 Code of Federal Regulations (CFR) Part 122, Appendix D, Tables 2 and 3, plus 2,3,7,8-Tetrachlorodibenzo-p-dioxin and asbestos.

Process wastewater—any water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, by-product, or waste product.

Producer—a person who produces industrial reclaimed water as identified in this subchapter.

Tail water—runoff of irrigation water from the lower end of an irrigated field.

WHO DOES NOT NEED TO SUBMIT AN APPLICATION?

The following systems and activities are not required to submit this application to begin water reuse:

- Reuse of industrial wastewater for purposes other than land application
- Facilities which qualify for Level I authorization
- Land application activities authorized by a Texas Pollutant Discharge Elimination System (TPDES) permit or Texas Land Application Permit (TLAP).

WHAT IS A LEVEL I AUTHORIZATION?

A Level I Authorization does not require written notification to or written authorization from the TCEQ. A Level I authorization does not require periodic testing, with the exception of cooling tower blowdown, which must meet a threshold concentration for total dissolved solids of 2,000 mg/L. A producer is eligible for a Level I Authorization **only** if the producer:

- uses any of the waste streams listed in 30 TAC §210.53(a) (see below), **and**
- uses the waste stream(s) on-site, **and**
- has a primary disposal method as an alternative to reuse listed in 30 TAC §210.56(b)(1) (see below), **and**
- has an end use listed in 30 TAC §210.56(b)(2) (see below).

Waste Streams listed in 30 TAC §210.53(a):

- air conditioner condensate, compressor condensate, steam condensate, or condensate that forms externally on steam lines and is not process wastewater
- washwater from washing whole fruits and vegetables
- non-contact cooling water
- once through cooling water
- water treatment filter backwash
- water from routine external washing of buildings or other structures, conducted without the use of detergents or other chemicals
- water from routine washing of pavement conducted without the use of detergents or other chemicals and where spills or leaks of toxic or hazardous waste have not occurred (unless spilled material has been removed)
- cooling tower blowdown with a total dissolved solids concentration less than 2,000 mg/L
- wastewater with measured effluent concentrations at or below threshold levels listed in the table below that is not a waste source prohibited from receiving coverage (see section titled "Who Cannot Apply for Authorization"). For all other priority pollutants listed in the application, the threshold level is set at the minimum analytical level.

Primary Methods of Disposal Listed in 30 TAC §210.56(b)(1)

- authority to dispose of wastewater under a TPDES permit, a TLAP, or another authorization
- authority to route effluent to a publically owned treatment works (POTW)
- ability to recycle the industrial reclaimed water in a manner that does not potentially result in a discharge into or adjacent to water in the state.

End Uses Listed in 30 TAC §210.56(b)(2)

- irrigation including landscape, pastures for milking animals, non-food crops (including, but not limited to, sod farms and silviculture)
- fire protection
- dust suppression and soil compaction
- maintenance of impoundments

Threshold Levels for Industrial Reclaimed Water

Parameter	Threshold (mg/L)	MAL (mg/L)
Total Organic Carbon	55	
Oil and Grease	10	
Total Dissolved Solids	2000	
Nitrate Nitrogen	10	
Antimony, total	0.090	0.030
Arsenic, total	0.030	0.010
Barium, total	0.030	0.010
Beryllium, total	0.015	0.005
Cadmium, total	0.003	0.001
Copper, total	0.030	0.010
Lead, total	0.015	0.005
Manganese	0.050	
Mercury, total	0.0002	0.0002
Nickel, total	0.030	0.010
Selenium, total	0.030	0.010
Silver, total	0.006	0.002
Thallium, total	0.030	0.010
Zinc, total	0.015	0.005
Cyanide, free	0.200	

WHO CANNOT APPLY FOR AUTHORIZATION?

The following waste streams **cannot be authorized** under 30 TAC Chapter 210, Subchapter E, regardless of effluent quality. The producer may submit a TPDES or TLAP application to request to discharge these waste streams:

- wastewater containing radioactive material regulated under Texas Health and Safety Code, Chapter 401
- wastewater containing dioxin and furans
- wastewater containing pesticides
- wastewater classified as or which is characteristically hazardous as defined by 40 Code of Federal Regulations (CFR) Part 261
- process wastewater regulated under 40 CFR Parts 400 - 471 with the following **exceptions:**
 - Part 405 - dairy products processing
 - Part 406 - grain mills
 - Part 407 - canned and preserved fruits and vegetables
 - Part 408 - canned and preserved seafood processing
 - Part 409 - sugar processing
 - Part 411 - cement manufacturing
 - Part 417 - soap and detergent manufacturing
 - Part 423 - steam electric power generating
 - Part 434 - coal mining
 - Part 436 - mineral mining and processing
 - Part 454 - gum and wood chemicals manufacturing
 - Part 460 - hospital
- septic tank waste, chemical toilet waste, grit trap waste, or grease trap waste
- barge cleaning washwater
- air scrubber wastewater
- any wastewater where a permit by rule authorized under 30 TAC Chapter 321 (relating to Control of Certain Activities by Rule) or commission-issued general permit for land application is available
- remediated or contaminated groundwater generated from facilities where process wastewater is prohibited for use as listed in 30 TAC §210.54(a)(5).

WHO MUST SUBMIT THE APPLICATION?

The **producer** must submit the application for this Level II authorization request. A producer who does not meet Level I authorization requirements as described above may submit a Level II application to request authorization to use industrial reclaimed water.

WHEN MUST THE APPLICATION BE SUBMITTED?

Reuse activities may not begin until the producer receives written authorization from the executive director. It is recommended that the application be submitted a minimum of 45 days prior to planned commencement of use of industrial reclaimed water.

HOW MUST THE APPLICATION BE SUBMITTED?

Submit the application when it is completed. If there is a question about the application, please contact the Water Quality Division at (512) 239-4671. Please reference "Industrial Water Reuse" when calling. If the answer to a question requires more space than provided, submit the additional information as an appendix to the application. The appendix must be clearly cross-referenced back to the original question.

Use the one of the following addresses to mail the application, depending on the method of delivery:

Regular Mail

Executive Director
Texas Commission on Environmental Quality
Wastewater Permitting Section, MC 148
P.O. Box 13087
Austin, Texas 78711-3087

Hand Delivery

Wastewater Permitting Section, MC 148
Texas Commission on Environmental Quality
Building F Room 2101
12100 Park 35 Circle
Austin, Texas 78753

Express Mail

Wastewater Permitting Section, MC 148
Texas Commission on Environmental Quality
Building F Room 2101
12100 Park 35 Circle
Austin, Texas 78753

HOW MUCH DOES A REUSE APPLICATION COST?

There is a onetime application fee of \$100. This fee does not include analytical testing or consulting costs incurred to complete the application. There are no annual fees once the authorization is approved.

Payment of the application fee may be made by check or money order payable to TCEQ or through ePAY (electronic payment through the web).

To expedite processing of the application, **please provide a copy of the check or payment voucher with the application.** To verify receipt of payment or any other questions regarding payment of fees to the TCEQ, please call the Revenue Section, Cashiers Office at (512) 239-0357.

Mailed Payment

Payment must be mailed in a separate envelope to one of the addresses below.

Regular U.S. Mail

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC 214
P.O. Box 13088
Austin, Texas 78711-3088

Overnight/Express Mail

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC 214
12100 Park 35 Circle
Austin, Texas 78753

ePAY Electronic Payment

To make an electronic payment, go to the [EPay](#)¹ web site.

When making the payment, go to "Option 3" and select Water. Under the Water Quality heading select the fee category **GENERAL PERMIT WASTEWATER DISCHARGE APPLICATION**. You must include a copy of the payment voucher with your application, which will not be considered complete without the payment voucher.

HOW LONG IS THE APPLICATION PROCESS?

A decision to approve or deny the request to use industrial reclaimed water typically takes 45 days once all relevant information has been received. The application may take longer to process due to site-specific issues.

HOW DO I COMPLETE THE APPLICATION?

The permit application form and these instructions are available in Adobe Acrobat PDF format, and can be found using the [Search Forms](#)² page on the TCEQ web site.

HOW DO I OBTAIN ADDITIONAL INFORMATION AND ASSISTANCE?

For additional information please call the Water Quality Division at (512) 239-4671. Updates on the status of the application should be referred to the Application Review and Processing Team. Technical questions and questions regarding the application should be referred to the Industrial Permits Team. Please reference "Industrial Water Reuse" when calling.

¹ <https://www3.tceq.texas.gov/epay/index.cfm>

² http://www.tceq.texas.gov/comm_exec/forms_pubs/search_forms.html

1. PRODUCER INFORMATION (Applicant)

The producer is the owner of the industrial facility producing the reclaimed water and the holder of the industrial reclaimed water authorization.

a) Producer's Legal Name

Provide the current **legal name** of the producer, as authorized to do business in Texas. The name must be provided exactly as filed with the Texas Secretary of State (SOS) or on other legal documents forming the entity as filed in the county where doing business. You may contact the SOS at (512) 463-5555 for more information related to filing in Texas. If filed in the county where doing business, provide a copy of the legal documents showing the legal name.

b) Producer's Contact Information

Contact Name and Mailing Address – Provide a contact name. Provide a complete mailing address for use on the permit and for receiving mail from the TCEQ. The address for regular mail delivery (not overnight express mail) must be verifiable with the [US Postal Service](#)³ web site.

If you find that the address is not verifiable using the USPS web site, please indicate the address is used by the USPS for regular mail delivery.

Telephone Number – This telephone number should correspond to this customer's mailing address given earlier. Enter the area code and phone number here. Leave *Extension* blank if this customer's phone system lacks this feature.

Fax Number and E-mail Address – This number and e-mail address should correspond to applicant's mailing address provided earlier. (Optional Information)

c) Customer Number (CN)

TCEQ's Central Registry will assign each TCEQ customer a number that begins with "CN," followed by nine digits. This is called the "customer number," and it is not a permit number, registration number, or license number.

If this customer has been assigned a CN, enter it in the space provided. If this customer has **not** been assigned a CN, leave this space blank, and you will be assigned one. You can find the information on the [Central Registry](#)⁴ web site.

You can search by the CN, name (permittee), permit number, or regulated entity reference number (RN) under the search field *Additional ID*.

The customer (permittee) is responsible for providing current information to the TCEQ and for updating all CN data for all authorizations as changes occur.

Note: The Central Registry Core Data Form has been incorporated into the permit application form. **Do not send a core data form to the TCEQ.**

d) Type of Customer

Check only one box that identifies the customer type. Use the descriptions below to identify the appropriate customer type. Note that the selected customer type identifies when a co-applicant/co-permittee is required on the application.

Individual – a customer who has not established a business but conducts an activity that needs to be regulated by the TCEQ.

³ <http://zip4.usps.com/zip4/welcome.jsp>

⁴ <http://www12.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch>

Sole Proprietorship – an entity that is owned by only one person and is not incorporated. This business may:

- be under the person’s name
- have its own name
- have any number of employees

If the customer is a sole proprietorship, the legal name of the individual business owner must be provided.

Limited Partnership – a customer that is established as a partnership as defined by the Texas Secretary of State’s Office (TX SOS). If the customer is a partnership filed in the county (not filed with TX SOS), the legal name of each partner forming the partnership must be provided. Each legal entity must apply as a co-applicant.

Joint Venture – a customer that is established as a joint venture as defined by the TX SOS. If the customer is a joint venture filed in the county (not filed with TX SOS), the legal name of each partner forming the joint venture must be provided. Each legal entity must apply as a co-applicant.

Corporation – a customer that meets **all** of these conditions:

- is a legally incorporated entity under the laws of any state or country, **and**
- is recognized as a corporation by the TX SOS, **and**
- has proper operating authority to operate in Texas.

The corporation’s legal name as filed with the TX SOS must be provided as the applicant. An assumed name of a corporation is not the legal name of the entity.

Trust or Estate – trusts and estates are not legal entities but rather are fiduciary relationships governing the trustee/executor with respect to the trust/estate property. A trustee and an executor are considered the legal representatives of the trust/estate. Therefore, the trust and trustee or estate and executor must be identified as co-applicants/co-permittees. If there is more than one trustee or executor, each trustee or executor must be identified as a co-applicant/co-permittee with the trust or estate.

Government – federal, state, county, or city government (as appropriate). The customer is either an agency of one of these levels of government or the governmental body itself. The government agency’s legal name must be provided as the applicant. A department name or other description of the organization should not be included as a part the legal name as applicant.

Other – the customer does not fit any of the above descriptions. Enter a short description of the type of customer in the blank provided.

e) Independent Entity

Check “No” if this customer is a subsidiary, part of a larger company, or is a governmental entity. Otherwise, check “Yes.”

f) Number of Employees

Check one box to show the number of employees for this customer’s entire company **at all locations**. This is not necessarily the number of employees at the site named in the application.

g) Customer Business Tax and Filing Numbers

State Franchise Tax ID Number

Corporations and limited liability companies that operate in Texas are issued a franchise tax identification number. If this customer is a corporation or limited liability company, enter this number here.

TX SOS Charter (filing) Number

Corporations and Limited Partnerships required to register with the TX SOS are issued a charter or filing number. You may obtain further information by calling the TX SOS at (512) 463-5555.

Federal Tax ID

All businesses, except for some small sole proprietors, individuals, or general partnerships, should have a federal taxpayer identification number (TIN). Enter this number here. Use no prefixes, dashes, or hyphens. Sole proprietors, individuals, or general partnerships do not need to provide a federal tax ID.

DUNS Number

Most businesses have a DUNS (Data Universal Numbering System) number issued by Dun and Bradstreet Corp. If this customer has one, enter it here.

h) Application Contact

Provide the name, title, and contact information of the person that TCEQ can contact for additional information regarding this application. If this person is the same one listed in item 1.b, enter the name and skip the remainder of this item.

You may verify the mailing address using the [US Postal Service](http://usps.com)⁵ web site.

2. REGULATED ENTITY INFORMATION ON PROJECT OR SITE

Provide information for your business **site** (the location where the regulated activity will occur) to be authorized through this application. The site information for this authorization may vary from that for any larger site of which your specific site is a part. Examples include:

- a chemical plant in which a unit is owned or operated by a separate corporation is accessible by the same physical address of your unit or facility
- an industrial park identified by one common address but with different corporations controlling defined areas within the site.

In both cases, an RN would be assigned for the physical address location, and the permitted sites would be identified separately under the same RN.

a) Regulated Entity Reference Number (RN)

The RN is a number issued by TCEQ's Central Registry to sites regulated by the TCEQ. This is not a permit number, registration number, or license number.

If this regulated site has not been assigned an RN, leave this space blank; an RN will be assigned to the site. If this regulated site has been assigned an RN, enter it in the space provided.

⁵ <http://zip4.usps.com/zip4/welcome.jsp>

If the site of your business is part of a larger business site, an RN may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's [Central Registry](#)⁶ to see if the larger site may already be registered:

You can search by the RN, CN, name (permittee), or permit number under the search field Additional ID. If the site is found, provide the assigned RN.

The customer (permittee) is responsible for providing current information to the TCEQ, and for updating all RN data for all authorizations as changes occur.

b) Name of Project or Site

Provide the name of the site as known by the public in the area where the site is located. The name you provide on this application will be used in the TCEQ Central Registry as the Regulated Entity.

c) SIC Code

Enter the SIC code for the facility.

d) Description of Regulated Activity

In your own words, briefly describe the primary business that generates the industrial wastewater to be authorized for reuse. Do not use the SIC Code description.

e) Site Address or Location

If the site has a physical address (street number and name), check the "Yes" box and provide the information in Section 1. If not, check the "No" box, write "NO ADDRESS" in Section 1 after "Street Number/Name," and provide the information in Section 2.

Section 1: Physical Address – Enter the complete address of where the site is located. This address must be validated through the [US Postal Service](#)⁷ web site.

If the physical address is not recognized as a USPS delivery address, you may need to validate the address with your local police (911 service) or through an online map site used to locate a site. Please confirm this to be a complete and valid address. Please do not use a rural route or post office box for the physical address of the site.

Section 2: Site Location – If a site does not have a physical address that includes a street number and name, provide a complete written location access description. Example: "The site is located 2 miles west from intersection of Hwy 290 & IH35, located on the southwest corner of the Hwy 290 South bound lane."

Provide the city where the facility is located. If the facility is not in a city, provide the name of the city nearest to the facility.

Provide the zip code of the area where the facility is located.

f) Latitude and Longitude

Enter the latitude and longitude of the site either in degrees, minutes, and seconds or in decimal degree format. For help obtaining the latitude and longitude, go to either the [TCEQ USGS Topographic Map Viewer](#)⁸ or the [Microsoft Research Map](#)⁹.

⁶ <http://www12.tceq.texas.gov/crpub/index.cfm?fuseaction=regent.RNSearch>

⁷ <http://zip4.usps.com/zip4/welcome.jsp>

⁸ <http://www.tceq.texas.gov/gis/drgview.html>

⁹ <http://msrmaps.com/advfind.aspx>

g) Nearest Classified Segment

Provide the name and number of the classified segment that is nearest to the site. For assistance, consult the online “Atlas of Texas Surface Waters” from the [Hydrography Maps and Data](http://www.tceq.texas.gov/waterquality/tmdl/hydrmaps.html)¹⁰ web site.

3. PROVIDER INFORMATION

If the producer is also the provider, enter “Same as Producer” and skip the remainder of this section. Otherwise provide the following information:

- a) Identify the **legal name** of the provider. The provider’s legal name must be spelled exactly as filed with the Texas Secretary of State, county, or in the legal document forming the entity.
- b) Provide a physical address for the provider. Also list the name(s) of the county or counties in which the provider’s facility exists.
- c) Identify a contact person and a telephone number.

4. USER INFORMATION

If the user is also the producer or provider, please indicate this. Otherwise provide the following information:

- a) Identify the **legal name** of the user. The user’s legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.
- b) Provide a physical address. Also list the name(s) of the county or counties in which the user’s site exists.
- c) Identify a contact person and a telephone number.

5. PRODUCER’S AND USER’S LOCATION(S)

- a) Provide a written location description of the **producer’s** facility. Do not provide directions to the facility. The location description must use easily identifiable landmarks found on a USGS map. The description must include the direction and distance in feet or miles from road intersections and the nearest city, town, or community.

Example: The facility is located 2,600 feet southwest of the intersection of State Highway 20 and Farm-to-Market Road 1200, five miles southeast from the City of Waco.

- b) If the **producer’s** facility is within the service area of a publically owned treatment works (POTW), check “Yes;” otherwise check “No.” If you check “Yes,” the producer is required by 30 TAC §210.56(b)(3) to notify the POTW of the intent to use industrial wastewater as industrial reclaimed water. **Check the box provided** if this notification has been completed.
- c) If the user’s site is **not** the same as the producer’s location, provide a written location description of the reclaimed water use site. Do not provide directions to the site. The location description must use easily identifiable landmarks found on a USGS map. The description must include the direction and distance in feet or miles from road intersections and the nearest city, town, or community.
- d) If the site where industrial reclaimed water is to be applied is within the recharge zone of the Edwards Aquifer, check “Yes;” otherwise check “No.” If you check “Yes,” additional information is required (see 30 TAC §210.4(d) and §210.23 for details). **Check the box**

¹⁰ <http://www.tceq.texas.gov/waterquality/tmdl/hydrmaps.html>

provided to indicate that the required additional information is submitted as an appendix to this application. Questions regarding location of a facility within the recharge zone of the Edwards Aquifer should be routed to the respective TCEQ regional office.

6. WASTE STREAMS

- a) Provide a general description of industrial, manufacturing, or commercial activities conducted on-site.
- b) Describe the type(s) of industrial wastewater proposed for use as industrial reclaimed water.
Examples: cooling tower blowdown, floor wash water, reverse osmosis reject water.
Estimate the volume of water generated by each specific waste stream.
Indicate the approximate volume of water proposed for reuse activities.
- c) TCEQ cannot authorize waste streams listed in 30 TAC §210.54 for beneficial reuse. The producer may apply for a TPDES or TLAP permit to request authorization to land apply these types of waste streams. Indicate with a check mark that each type of wastewater proposed for use as industrial reclaimed water has been reviewed and is not a waste stream listed in 30 TAC §210.54.

7. END USE

- a) Identify all of the proposed end uses for industrial reclaimed water. If the end use is not one of the options listed, please check "Other" and provide a detailed description of the end use. An end use that would discharge to surface water will not be considered under this authorization. If the proposed end use is not a land application activity, this authorization is not required.
- b) If the end use is for any type of irrigation, provide the approximate area to be irrigated, the type of crop or vegetation grown over the irrigation area, and how often reuse activities are planned.
Example: 120 feet × 500 feet of landscaping area with trees, shrubs, and annual flowers, irrigated approximately once per week.
- c) If the end use is not on the producer's site, the producer is required to comply with the notification requirements in 30 TAC §210.4. Provide the additional information as required as an appendix to this application.

8. PRIMARY DISPOSAL METHOD

A primary method of disposal of industrial wastewater is required for periods when use of industrial reclaimed water is not necessary or feasible. Check off the methods of disposal the facility will use on the list. If the method of disposal is not listed, please check "Other" and describe the disposal method in detail. **The primary disposal method cannot be the beneficial reuse itself**, and additional storage does not qualify as a primary method of disposal.

Note: If the producer proposes to use a licensed hauler to remove the industrial wastewater, a copy of a contract or agreement must be submitted as an appendix to this application.

9. IMPOUNDMENTS

Answer either "yes" or "no" to whether impoundments (lagoons or ponds) are used or are planned to be used for treatment, holding, or storage. If "yes," refer to 30 TAC §210.23 (relating to Storage Requirements for Reclaimed Water) for specific liner requirements.

In addition, attach a document furnished by a Texas Licensed professional engineer certifying that the pond lining meets all applicable criteria in 30 TAC §210.23.

Summary of Pond Requirements

- ponds must be designed and constructed to prevent groundwater contamination
- soils used for lining shall be free from foreign materials such as paper, brush, trees, and large rocks.

Within the Edwards Aquifer Recharge Zone – Ponds located **within** the recharge zone of the Edwards Aquifer, as defined in 30 TAC Chapter 213, must also meet one of the following sets of liner requirements:

Compacted Clay/In-Situ – Soil liners must be of compacted material, at least 24 inches thick, compacted in lifts no greater than 6 inches thick and compacted to 95% of Standard Proctor Density. In-situ clay soils meeting the soils liner requirements shall be excavated and recompacted a minimum of 6 inches below planned grade to assure a uniformly compacted finished surface. Soil liners must meet the following size gradation and Atterberg limits:

1. 30% or more passing a number 200 mesh sieve;
2. a liquid limit of 30% or greater;
3. a plasticity index of 15 or greater, and
4. have a permeability less than or equal to 1×10^{-7} cm/sec.

Synthetic – Synthetic membrane linings shall have a minimum thickness of 40 mils **with a leak detection system**. In situ liners at least 24 inches thick meeting a permeability less than or equal to 1×10^{-7} cm/sec are acceptable alternatives.

Not Within the Edwards Aquifer Recharge Zone – All ponds located **outside** the recharge zone of the Edwards Aquifer shall meet one of the following sets of liner requirements:

Compacted Clay/In-Situ – Soil liners must be of compacted material having a permeability less than or equal to 1×10^{-4} cm/sec, at least 24 inches thick, compacted in lifts no greater than 6 inches each.

Synthetic – Synthetic membrane linings shall have a minimum thickness of 40 mils. In situ liners at least 24 inches thick meeting a permeability less than or equal to 1×10^{-4} cm/sec are acceptable alternatives.

10. COMPLIANCE HISTORY

If the facility is currently required to meet any implementation schedule for this site, check “yes.” This requirement includes Federal, State, or local authority permit conditions; administrative or enforcement orders; and enforcement compliance schedule letters, stipulations, court orders, or grant and loan conditions.

If “yes,” provide a brief summary of the requirements which includes background discussion of the requirements, an identification of each compliance/abatement requirement, and a listing of the required projected final compliance dates.

11. INDUSTRIAL RECLAIMED WATER TESTING

All laboratory tests performed to demonstrate compliance with the requirements of this authorization must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

All tests must be performed down to the minimum analytical level (MAL) specified in the application.

A copy of the analytical laboratory reports is required and shall be submitted as an attachment to the application.

Check the box to indicate that this information is attached to the application.

Tables 1 All industrial wastewater requesting to be used as industrial reclaimed water (Level II Authorization) shall be sampled and analyzed for those parameters listed in Tables 1 of this application for a minimum of one (1) sampling event. All results are to be reported in mg/L.

Tables 2-1, 2-2, and 2-3 – If the industrial wastewater is considered a **process wastewater**, then Tables 2-1, -2-2, and 2-3 must also be completed in full. A minimum of one sample shall be obtained and analyzed for each pollutant. All results are to be reported in µg/L.

If the industrial wastewater is considered a **non-process wastewater**, Tables 2-1, 2-2, and 2-3 do not need to be completed **unless** the producer believes one or more pollutants may be present in the wastewater. Then a minimum of one sample shall be obtained and analyzed for the pollutant(s) believed to be present.

Additional testing may be required if the TCEQ thinks additional pollutants may be present in the wastewater based on process knowledge or best professional judgment.

Note: If effluent data is not available because the facility has not been constructed, the effluent testing requirements will be included in the authorization, and testing results will have to be submitted to and reviewed by the TCEQ before the industrial wastewater may be re-used under the authorization.

12. SIGNATURE PAGE

Each entity applying for the permit is required to sign the certification statement. The certification must bear an original signature of a person meeting the signatory requirements specified under 30 TAC §305.44. If you have any questions or need additional information concerning the signatory requirements discussed below, please contact the TCEQ's Environmental Law Division at (512) 239-0600.

The signature should be made using only blue ink.

Individual, Sole Proprietorship, Partnership, Joint Venture, Trust, or Estate

Signature requirements are specified in 30 TAC §305.44(a)(2) as follows:

“For a partnership or sole proprietorship, the application shall be signed by a general partner or the proprietor, respectively.”

The specified signature requirements for partnerships and sole proprietorships are considered appropriate for individuals, joint ventures, trusts, and estates.

Corporation

Signature requirements are specified in 30 TAC §305.44(a)(1) as follows:

“For a corporation, the application shall be signed by a responsible corporate officer. For purposes of this paragraph, a responsible corporate officer means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. Corporate procedures governing authority to sign permit or post-closure order applications

may provide for assignment or delegation to applicable corporate positions rather than to specific individuals.”

According to this provision, any corporate representative may sign an application or similar form so long as the authority to sign such a document has been delegated to that person in accordance with corporate procedures. By signing the application or similar form, you are certifying that such authority has been delegated to you. The TCEQ may request documentation evidencing such authority.

Government

Signature requirements are specified in 30 TAC §305.44(a)(3) as follows:

“For a municipality, state, federal, or other public agency, the application shall be signed by either a principal executive officer or a ranking elected official. For purposes of this paragraph, a principal executive officer of a federal agency includes the chief executive officer of the agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., regional administrator of the EPA).”

According to this provision, only a ranking elected official or principal executive officer may sign an application or similar form. Persons such as the city mayor or county commissioner will be considered ranking elected officials. In order to identify the principal executive officer of your government entity, it may be beneficial to consult your city charter, county or city ordinances, or the Texas statute(s) under which your government entity was formed. An application or similar document that is signed by a government official who is not a ranking elected official or principal executive officer does not conform to 30 TAC §305.44(a)(3). The signatory requirement may not be delegated to a government representative other than those identified in the regulation. By signing the application or similar form, you are certifying that you are either a ranking elected official or principal executive officer as required by the administrative code. Documentation demonstrating your position as a ranking elected official or principal executive officer may be requested by the TCEQ.



Application to Use Industrial Reclaimed Water

This application is for the beneficial use of reclaimed wastewater effluent as provided under Title 30 of the Texas Administrative Code Chapter 210, Subchapter E

TCEQ Use Only

Auth. No.: _____

RN: _____

CN: _____

Date Received: _____

County: _____

Region: _____

1. Producer Information (Applicant) (see [instructions](#) on pages 8-11)

a) Producer's Legal Name (see [instructions](#) on page 8)

Enter the **legal name** of the entity (producer) applying for this permit. The producer's legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.

Producer's Legal Name: _____

b) Producer's Contact Information (see [instructions](#) on page 8)

Contact Name

Prefix (Mr. Ms. Miss): _____

Name (First Last): _____

Suffix: _____

Title: _____

Credentials: _____

Mailing Address

Street Number/Name: _____ or P.O. Box: _____

City: _____ State: _____ Zip Code: _____

Telephone Number, Fax Number, and E-mail Address

Telephone number: _____ Extension: _____

Fax number (optional): _____

E-mail address (optional): _____

c) Customer Number (CN) (see [instructions](#) on page 8)

If the applicant is currently a customer with the TCEQ, enter the Customer Number.

CN: _____

If you have not yet received a CN, leave this entry blank; a CN will be assigned to you.

d) Indicate the Type of Customer (see [instructions](#) on pages 8-9)

Individual

Sole Proprietorship

Limited Partnership*

Joint Venture*

Corporation

Trust*

Estate*

Federal Government

State Government

County Government

City Government

Other Government

Other*: _____

*Read page 9 of the instructions regarding who must apply for the permit. Trust, Estate, Limited Partnership, and Joint Venture require co-permittees.

e) Independent Entity? (see [instructions](#) on page 9)

Yes

No

f) Number of Employees (see [instructions](#) on page 9)

0-20

21-100

101-250

251-500

501 or more

g) Customer Business Tax and Filing Numbers (see [instructions](#) on page 10)

State Franchise Tax ID Number: _____

TX SOS Charter (filing) Number: _____

Federal Tax ID: _____

DUNS Number: _____

h) Application Contact (see [instructions](#) on page 10)

Name

Prefix (Mr. Ms. Miss): _____

Name (First Last): _____

Suffix: _____

Title: _____

Credentials: _____

Mailing Address

Street Number/Name: _____ or P.O. Box: _____

City: _____ State: _____ Zip Code: _____

Telephone Number, Fax Number, and E-mail Address

Telephone number: _____ Extension: _____

Fax number: _____

E-mail address: _____

2. Regulated Entity Information on Project or Site (see [instructions](#) on pages 10-12)

a) Regulated Entity Reference Number (RN) (see [instructions](#) on pages 10-11)

If the site is currently a regulated entity with the TCEQ, enter the Regulated Entity Reference Number.

RN: _____

If the site has not yet received an RN, leave this entry blank; an RN will be assigned to it.

b) Name of Project or Site (see [instructions](#) on page 11)

c) SIC Code: _____

d) Description of Regulated Activity (see [instructions](#) on page 11)

In your own words, briefly describe the primary business of the Regulated Entity (Do not repeat the SIC and NAICS code):

e) Site Address or Location (see [instructions](#) on page 11)

Does the site have a physical address?

Yes - complete Section 1: Physical Address.

No - complete Section 2: Site Location.

Section 1: Physical Address

Street Number/Name: _____

City: _____ ZIP Code: _____

County or counties: _____

Section 2: Site Location

Location access description to the site:

City where site is located or, if not in a city, nearest city: _____

ZIP Code where site is located: _____

County or counties: _____

f) Latitude and Longitude (see [instructions](#) on page 11)

Latitude: _____ Longitude: _____

g) Nearest Classified Segment (see [instructions](#) on page 12)

Name of classified segment nearest to site: _____

Number of classified segment nearest to the site: _____

3. Provider Information (see [instructions](#) on page 12)

a) Provider's Legal Name

The provider's **legal name** must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.

Provider's Legal Name: _____

b) Provider's Physical Address

Street Number/Name: _____

City: _____ State: _____ ZIP Code: _____

County or counties: _____

c) Provider Contact

Prefix (Mr. Ms. Miss): _____

Name (First Last): _____

Suffix: _____

Title: _____

Credentials: _____

Telephone number: _____ Extension: _____

Fax number (optional): _____

E-mail address (optional): _____

4. User Information (see [instructions](#) on page 12)

a) User's Legal Name

The user's **legal name** must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.

User's Legal Name: _____

b) User's Physical Address

Street Number/Name: _____

City: _____ State: _____ ZIP Code: _____

County or counties: _____

c) User Contact

Prefix (Mr. Ms. Miss): _____

Name (First Last): _____

Suffix: _____

Title: _____

Credentials: _____

Telephone number: _____ Extension: _____

Fax number (optional): _____

E-mail address (optional): _____

5. Producer's and User's Location(s) (see [instructions](#) on page 12)

a) Provide a written description of the Producer's location: _____

b) Is the Producer's facility within the service area of a Publically Owned Treatment Works (POTW)?

Yes No

If "Yes," indicate with a check mark that the POTW has been notified of the Producer's intent to use industrial reclaimed water.

c) Provide a written description of the User's location (if different from the Producer's location): _____

d) Is the site at which reclaimed water will be used located within the Edwards Aquifer recharge zone?

Yes No

If "Yes," indicate with a check mark that the additional information required by 30 TAC 210.4(d) and 210.23(c) has been included as an appendix to this application.

6. Waste Streams (see [instructions](#) on page 13)

a) Provide a general description of industrial, manufacturing, or commercial activity at the site: _____

b) List the type(s) and volume(s) of industrial wastewater generated and proposed for use as industrial reclaimed water:

Industrial Wastewater Generated

Wastewater Type	Approximate Volume Generated Daily (gpd)	Volume Proposed for Reuse (gpd)

c) Indicate with a check mark that all wastewater proposed for use as industrial reclaimed water has been reviewed and is not a wastestream listed in 30 TAC § 210.54.

7. End Use (see [instructions](#) on page 13)

a) Check all proposed end uses that you are requesting:

Irrigation (landscape, non-food crops, or pasture for milking animals)

Fire Protection

Dust Suppression and/or Soil Compaction

Impoundment Maintenance

Other (please describe) _____

b) If the proposed end use is irrigation, provide the following information:

Approximate area to be irrigated: _____

Cover Type: _____

Proposed frequency of water reuse: _____

c) Is the proposed end use on-site?

Yes No

If “No,” indicate with a check mark that the additional information required by 30 TAC § 210.4 (relating to Notification) is attached as an appendix to this application.

8. Primary Disposal Method (see [instructions](#) on page 13)

Please check the primary method(s) of disposal used by the producer as an alternative to reuse:

Discharge under a Texas Pollutant Discharge Elimination System (TPDES) permit or a Texas Land Application Permit (TLAP).

Permit No.: _____

Authority to route to a POTW.

Name of POTW: _____

Recycle the wastewater in a manner that does not discharge into or adjacent to waters in the state.

Explain: _____

Pump and Haul.

Name of licensed hauler: _____

If using a licensed hauler, indicate with a check mark that a copy of the hauler agreement is attached to this application.

Other: _____

9. Impoundments (see [instructions](#) on pages 13-14)

Do you use or plan to use any lagoons, ponds, or impoundments?

Yes No

If "Yes," refer to 30 TAC §210.23 (relating to Storage Requirements for Reclaimed Water) for liner requirements. In addition, attach a document of certification by a Texas Licensed professional engineer that indicates that the pond lining meets all applicable criteria in 30 TAC §210.23.

Indicate with a check mark that the pond liner certification is attached to this application.

10. Compliance History (see [instructions](#) on page 14)

Is the applicant currently required to meet any implementation schedule for compliance or enforcement?

Yes No

If "Yes," provide a summary of the requirements and a status update: _____

11. Industrial Reclaimed Water Testing (see [instructions](#) on pages 14-15)

Indicate with a check mark that a copy of the analytical laboratory reports is attached to this application.

Table 1-1 Wastewater Concentrations for Conventional and Nonconventional Pollutants

Pollutant	Average (mg/L)	Maximum (mg/L)	Number of Samples
Biochemical Oxygen Demand (5-day)			
Carbonaceous Biochemical Oxygen Demand (5-day)			
Total Organic Carbon			
Nitrate Nitrogen			
Total Phosphorus			
Oil and Grease			
Total Residual Chlorine *			

Pollutant	Average (mg/L)	Maximum (mg/L)	Number of Samples
Total Dissolved Solids			
Sulfate			
Chloride			
<i>E. Coli</i> **			
pH (standard units)			

Table 1-2 Wastewater Concentrations for Metals

Pollutant	Average (mg/L)	Maximum (mg/L)	Number of Samples	MAL (mg/L)
Total Aluminum				0.030
Total Antimony				0.030
Total Arsenic				0.010
Total Barium				0.010
Total Beryllium				0.005
Total Cadmium				0.001
Total Chromium				0.010
Total Copper				0.010
Free Cyanide				0.020
Total Lead				0.005
Total Mercury				0.0002
Total Nickel				0.010
Total Selenium				0.010
Total Silver				0.002
Total Thallium *				0.010
Total Zinc				0.005

*Testing required if believed to be present in the wastewater.

**Testing only required for industrial reclaimed water commingled with domestic wastewater.

Table 2-1 Wastewater Concentrations for Volatile Compounds

Pollutant	Average (µg /L)	Maximum (µg /L)	Number of Samples	MAL (µg/L)
Acrolein				50
Acrylonitrile				50
Benzene				10
Bromoform				10
Carbon Tetrachloride				10
Chlorobenzene				10
Chlorodibromomethane				10
Chloroethane				50
2-Chloroethylvinyl Ether				10
Chloroform				10
Dichlorobromomethane				10
1,1-Dichloroethane				10
1,2-Dichloroethane				10
1,1-Dichloroethylene				10
1,2-Dichloropropane				10
1,3-Dichloropropylene				10
Ethylbenzene				10
Methyl Bromide				20
Methyl Chloride				50
Methylene Chloride				20
1,1,2,2-Tetrachloroethane				10
Tetrachloroethylene				50
Toluene				10
1,2-Trans-Dichloroethylene				10
1,1,1-Trichloroethane				10
1,1,2-Trichloroethane				10
Trichloroethylene				10
Vinyl Chloride				10

Table 2-2 Wastewater Concentrations for Acid Compounds

Pollutant	Average (µg /L)	Maximum (µg /L)	No. of Samples	MAL (µg/L)
2-Chlorophenol				10
2,4-Dichlorophenol				10
2,4-Dimethylphenol				10
4,6-Dinitro-o-Cresol				50
2,4-Dinitrophenol				50
2-Nitrophenol				20
4-Nitrophenol				50
p-Chloro-m-Cresol				10
Pentachlorophenol				50
Phenol				10
2,4,6-Trichlorophenol				10

Table 2 -3 Wastewater Concentrations for Base/Neutral Compounds

Pollutant	Average (µg/L)	Maximum (µg/L)	Number of Samples	MAL (µg/L)
Acenaphthene				10
Acenaphthylene				10
Anthracene				10
Benzidine				50
Benzo(a)Anthracene				10
Benzo(a)Pyrene				10
3,4-Benzofluoranthene				10
Benzo(ghi)Perylene				20
Benzo(k)Fluoranthene				10
Bis(2-Chloroethoxy)Methane				10
Bis(2-Chloroethyl)Ether				10
Bis(2-Chloroisopropyl)Ether				10
Bis(2-Ethylhexyl)Phthalate				10
4-Bromophenyl Phenyl Ether				10
Butylbenzyl Phthalate				10
2-Chloronaphthalene				10
4-Chlorophenyl Phenyl Ether				10

Pollutant	Average (µg/L)	Maximum (µg/L)	Number of Samples	MAL (µg/L)
Chrysene				10
Dibenzo(a,h)Anthracene				20
1,2-Dichlorobenzene				10
1,3-Dichlorobenzene				10
1,4-Dichlorobenzene				10
3,3-Dichlorobenzidine				50
Diethyl Phthalate				10
Dimethyl Phthalate				10
Di-n-Butyl Phthalate				10
2,4-Dinitrotoluene				10
2,6-Dinitrotoluene				10
Di-n-Octyl Phthalate				10
1,2-Diphenylhydrazine (as Azobenzene)				20
Fluoranthene				10
Fluorene				10
Hexachlorobenzene				10
Hexachlorobutadiene				10
Hexachlorocyclopentadiene				10
Hexachloroethane				20
Indeno(1,2,3-cd)pyrene				20
Isophorone				10
Naphthalene				10
Nitrobenzene				10
N-Nitrosodimethylamine				50
N-Nitrosodi-n-Propylamine				20
N-Nitrosodiphenylamine				20
Phenanthrene				10
Pyrene				10
1,2,4-Trichlorobenzene				10

12. Signature Page (see [instructions](#) on pages 15-16)

I, _____
(Typed or printed name) Title

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under **30 Texas Administrative Code §305.44** to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signature: _____ Date: _____
(Use blue ink only)