ELECTRONIC ENVIRONMENTAL DRINKING WATER REPORTING (E2-DWR) SYSTEM

LABORATORY USER GUIDE

Texas Commission on Environmental Quality (TCEQ)



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1 Introduction

1.1 State of Texas Environmental Electronic Reporting System (STEERS)

STEERS provides access to the public for on-line access to the E2 system plus several other regulatory programing areas of the TCEQ. An individual obtains a free STEERS account with which they have on-line access to add, update, renew and modify their accounts for a number of regulatory programs.

Individuals that have an issue with STEERS have access to telephone or e-mail assistance from the STEERS team. The STEERS team provides telephone support to the public for help with the STEERS program only. Any issues the individual has with a regulatory program are referred to the program area for assistance. STEERS staff also has access to the Internal Data Application (IDA) to re-set passwords for users locked out of their accounts.

Individuals that need assistance may contact STEERS by phone 512-239-6925 or by e-mail at steers@tceq.texas.gov.

1.2 Electronic Environmental Reporting and the E2 System

The Electronic Environmental (E2) Reporting System is a web-based information system that allows the regulated community to electronically submit reports to the Texas Commission on Environmental Quality (TCEQ). The E2 system provides an alternative to submitting hand-written or paper-based reports that is faster, more efficient, and requires less processing for laboratories, water systems, and TCEQ. As a fully operational electronic reporting system, all of the necessary

legal, security, and electronic signature functionalities have been included to serve as a completely paperless reporting system.

Currently, the E2 system allows laboratories to submit the compliance data from the following report form: Microbial Reporting Form (MRF)- Form 10525 (TCEQ Form 10525). E2 allows the lab user to report the compliance data to TCEQ utilizing two options:

- 1. Online data entry option
- 2. Data upload option

1.3 Reasons for and Benefits of Electronic Reporting with E2

Electronic reporting provides the following benefits:

- Gives the user greater control over the quality of data flow
- Reduces reporting costs by offering a streamlined reporting method using readily available computer tools
- Offers on-line availability of reports and their processing status
- Improves reported data integrity and security
- Eliminates transcription errors on the TCEQ side and will help labs address illegible submissions quicker with their customers to prevent future reoccurrence
- Decreases the number of extraneous violations using three steps of validation
- Reducing and better utilizing TCEQ resources required for managing reports
- Adds to the overall effectiveness of the TCEQ program areas with faster response for data analyses, compliance assessment, and decision-making

1.4 Contact Information

The E2 Coordinators can be reached at:

Public Drinking Water				
E2 Coordinator				
Public Drinking Water Section (MC-155)				
Water Supply Division				
Texas Commission on Environmental Quality				
(TCEQ)				
ESubdata@tceq.texas.gov Phone:				
(512) 239-4691				

STEERS Contact:

State of Texas Environmental Electronic Reporting System (STEERS)

Texas Commission on Environmental Quality (TCEQ) STEERS Help line STEERS (MC 226) E-mail: STEERS@tceq.texas.gov Phone: (512) 239-6925

1.5 E2 System Overview

As a web-enabled system, the E2 system provides Laboratories with the following capabilities.

- Ability to submit original or revised laboratory reports. E2 allows laboratories to either fill out the online Microbial Reporting Form, or upload the compliance data from their Microbial Monitoring database as a schema-defined CSV file.
- Ability to view validation messages online. All submissions can be validated to verify that they meet minimum criteria as defined for the Microbial Reporting Form.
- Ability to save partially completed forms. If a user does not finish filling out a form in one session, he or she can save the form and resume filling it out at a later time. TCEQ will not review partially completed forms. The user must submit the form in order for the data to be processed by TCEQ.
- Ability to view and print previously submitted forms. All submissions made through the E2 reporting system are saved and are available for later retrieval. E2 will generate Microbial Reporting Forms based on the data input into the system.
- Ability to monitor the status of all submissions. Users can log in to see the current processing status of all submissions (Pending, Processed, Rejected). Users receive an email notification of each submission. There is not an automated e-mail if a file is rejected. Please follow up on each submission status in the View Lab Submissions application of E2.
- **STEERS.** Provides on-line access to the required E2 laboratory functions necessary for reporting to TCEQ. Reporting through STEERS and E2 does not ensure a submission will be on time per regulations, it only provides a lab the ability to report to TCEQ,

In essence, the E2 system serves as an electronic filing cabinet, allowing Laboratories to manage their own reporting to TCEQ and monitor the status of submitted reports.

In order to provide sufficient security for all submitted information, access to the E2 system is restricted in the following ways:

• Any person who wants to have access to the E2 system must have an authorized STEERS User Account.

- Any person who wants to submit reports for a particular laboratory must be granted an association with the laboratory.
- In order to submit the reports online in E2, the STEERS user account must have the "PDW System Sign and Submit" role.
- Any person who wishes to certify laboratory reports must fill out an STEERS Participation Agreement (SPA).

2 Minimum System Requirements

Laboratories must be able to access TCEQ's E2 website through the Internet. Typically, such access is available either through a dedicated connection (i.e. local area network) or a modem connection to an Internet Service Provider.

To ensure that all the features of the E2 system are available, Laboratories must use Microsoft Internet Explorer web browser (version 7.0 or higher) or Firefox (version 10.0 or higher). The performance of the E2 system will vary based on the computer's internet connection speed, CPU, Operating System, and available memory. The minimum system configuration recommendation is as follows:

- Broadband Internet Connection or higher
- Pentium II processor or higher
- VGA or higher resolution monitor (at least 800 x 600 resolution)
- Microsoft Windows XP or higher 256 MB of RAM or higher
- Web Browser:
 - \circ Designed for Microsoft Internet Explorer 9.0 \circ

Also works on other browsers

- Microsoft Internet Explorer 7.0 or higher
- Google Chrome
- Mozilla Firefox
- PDF reader for viewing of PDF file
- Printer for printing submission in report format and/or Copy of Record
- Email account

3 E2-DWR System Description

This section provides a brief overview of the report submission process in E2.

3.1 Abbreviated eDWR Submission Process for Laboratory:

Step 1: With STEERS, Laboratory User logs into the E2 Reporting System via the Internet with STEERS User ID, password, and an answer to a security question.

- Step 2A: Using the Laboratory Reporting Module, user can either select "Create a New Report" to generate a data entry form or select "Upload File" to upload an already existing file
- **Step 3:** The user prepares Microbial Monitoring report in accordance with reporting requirements, as specified using submission methods available as follows:
 - Step 3A: Completing the Microbial Monitoring online entry web form and generating a XML submission file when it is submitted online.
 - Step 3B: Using the defined schema (70-column CSV file format) to upload the Microbial Monitoring compliance data online.
- Step 4: Enter the STEERS password and certify the data entered.
- **Step 5:** E2 receives the file and issues a receipt of confirmation to the user on the screen. A separate receipt confirmation email will be automatically sent to the user. E2 verifies that the submitted file conforms to the specific data validation rules and business requirements defined for each of the submitted forms or uploaded records.
- **Step 6:** Valid submissions can be viewed and printed at any time by the user that submitted the data.
- Step 7: Follow up on status of submission in the View Lab Submissions application.

4 Getting Started

4.1 Creating a STEERS User Profile

In order to gain access to the E2 Reporting System, a State of Texas Environmental Electronic Reporting System (STEERS) user account must first be created

here:<u>www.tceq.texas.gov/goto/steers</u>



To create a new STEERS user account, follow the instructions and click on the "Create New Account" button listed on the right side to begin. This opens the Applicant Information screen.

	Help Contact Us STEERS Login
TCEG	Welcome to the Online STEERS Participation Agreement (SPA)
Тос	reate a new STEERS account:
1.	You need the list of program areas and/or lds to add to the account. For instructions, please click on the Help button at the top of the page.
2. 3.	A STEERS account verification email will be sent to the address you provide when the account is created. You must use the verification link contained in this email to set your account password.
New	STEERS Account Information:
•	New accounts are probationary and have limited access until STEERS receives a signed hard-copy SPA or the SPA is signed electronically using the account holder's Texas Drivers License. The signed SPA must be received to meet the EPA and legal requirements for electronic signatures. If a signed SPA is not received by the STEERS team within: • 15 days of the creation date, the account will be locked. • 30 days of the creation date, the account will be archived.
•	Only one account may be created in a 5-minute interval and only 20 accounts may be created in a 24-hour period
	Each STEERS account must have a unique e-mail address. A STEERS account is owned by an individual and not a company.
Note	•: To update an existing STEERS account, you must press Exit Application and log into STEERS. Create New Account Exit Application

Enter the required user information as indicated by the red asterisk. After entering the user information, scroll to the bottom of the screen and click the "Next" button.

Ν	Help Contact Us Logout	STEERS
TCEQ	Applicant Information	51:58
Please enter the applicant's inforr All fields marked with * are require	nation below and press Next button to continue. ed.	
Applicant Name		
First Name:*		
Middle Initial:		
Last Name:*		
Suffix:		
Company Information	(Name suffix if applicable.)	
Company Mormation Company Name:*	ZA	
Title:*	(Applicant's compa	ariy.j
Contact Information	(Applicant's title.)	
Email Address:*	Zurani anati ka mi	121725
Phone Number:*		ique.
Extension	(555-123-4567 Format.)	
Extension.	(Applicant's extension number.)	
Mailing Address		
Address:*	(Street address or PO Box.)	
Extra Line:	(Mail code or other informatio	n.)
City:*		
State:	Texas(TX) 🛛 🕜 (Required for US Address)	
ZIP Code:	- (Required for US Address)	
Country:*	USA 🔽	
Territory:	(Required for non-US Address	;)
Foreign Postal:	(Required for non-US Address)	
	Next Clear Form Exit Application	

A "Review Applicant Data" page will be displayed. Click on the "Next" to continue.

	Help Contact Us Logout
TCEO	Review Applicant Data
Please review the app	licant's information below. The data you entered has been validated and formatted to remove special
Click Next bu do not click the k Name:	itton to create your account. This process may take a couple of minutes, so please utton more than once on this page. Joe Smith
Company Name:	ENFOTECH
. , Title:	MR
Email Address:	user e3@yahoo.com
Phone Number:	609-896-9777
Mailing Address:	1368 HOW LANE NORTH BRUNSWICK NJ 08902
	Previous Next Exit Application

On the "STEERS Account Security Question Update" page, select 5 security questions and provide the desired answers accordingly. Click the "Save" button to continue.

wer, leave	e the answer box blank.		
uestion 1:	- Select a Question -	*	Answer 1:
uestion 2:	- Select a Question -	~	Answer 2:
uestion 3:	- Select a Question -	*	Answer 3:
uestion 4:	- Select a Question -	~	Answer 4:
uestion 5:	- Select a Question -	~	Answer 5:

Next, select the desired STEERS program for the selected user account as follows:

• Public Drinking Water - Laboratories (PDWLAB)

TCEQ	Paper SPA E-sign SPA STEERS Account Summary User: ER001474	STEERS 54:54
Note: You have not sele	cted any STEERS program areas for your account. You cannot generate a	a STEERS Participation
Agreement antir you cor		
Your account security	questions have been saved.	
Your account security	questions have been saved.	

Select the applicable "Access Type" as follows:

• PDW System Sign and Submit - View, create, delete, modify, sign, and submit

You should select the "PDW System Sign and Submit" in order to have the most accessibility.

	Account Summary	Help	Contact Us	Logout	STEERS
	Account 9	Summary	Modify IDs		or same
TCEQ	Add Ne	w PDV	WSYS IDs		50:29
To add IDs to the acc to copy. Press Add IE	ount: select a role, relation is or Copy IDs to continue. F	ship, an Press Ca	authorizatio	on and either the done.	IDs to add or an account
Program Status					
Acces	s Type: ** Pick Role **				*
Authorization Select the appropriate What is the best des	e relationship and authorizatio	on state	ment below. ship to the f	acility or facilities	2
O The Facility O Parent Company	cription of your employers i	relation	snip to the i	active of facilities	r
OI, Joe Smith, am a authorization is re	pplying for a read, edit, or pre quired.	e follow parer rol	e and no spe	cific company	
-OR-					
I, Joe Smith, am a into this Agreeme IAW Public Drinki	pplying for a sign and submit r nt for the Company under the ng Water Program area Regula	ole and I applicabl atory Gui	have the auth le standards i dance docum	ority to enter referred to in the ients.	

Under the Authorization section, select the proper relationship to the facility. If you are a lab with _____, select "The Facility". If you are a lab with _____, select "Parent Company". If neither of these options is applicable, select "Other".

If you are applying for the "PDW System Sign and Submit" access type and have authorization to create an account, select the second radio button, "I am applying for a sign and submit role and have the authority to enter into this Agreement for the Company under the applicable standards referred to in the IAW Public Drinking Water Program are Regulatory Guidance documents." If you are signing up for the "PDW System Sign and Submit" Access Type and are granted authorization from a superior, check the third radio button, "I, Christina M Destefano, am applying for a sign and submit role and am authorized by the person below who does have the authority to enter into this Agreement for the Company under the applicable standards referred to in 30 TAC 290.46(f)(4)(C)." and fill in the required information.

Enter the PDW System ID(s) as follows:

• Public Drinking Water - Laboratories (PDWLAB) → Lab ID

Once "Access Type", "Authorization Type", and "PDW System ID" are selected/entered, click on the "Add IDs" button to continue. On the confirmation/review page, click on the "Confirm Add" button to save your selection.

	Account Summary Help Contact Us Logout
	Account Summary Add IDs Modify IDs
TCEQ	Confirm Add New Public Drinking Water - Systems IDs 53:17
	User: ER001474
You have reque If this is correct press Cancel to	ested to add the IDs listed below with the following access type and authorization information. , please press <u>Confirm Add</u> at the bottom of the page to confirm the addition. Otherwise, return to the previous page
Access and Aut	horization for IDs
A	ccess Type: PDW Systems Sign and Submit - view, create, delete, modify, sign, and submit
R	elationship: The Facility
Authorizatior	Statement: I, Joe Smith, am applying for a sign and submit role and have the authority to enter into this Agreement for the Company under the applicable standards referred to in the IAW Public Drinking Water Program area Regulatory Guidance documents.
IDs found to be	added:
ID	Name/Loc
TX0010007	DOGWOOD SPRINGS WSC PLANT 1
	Confirm Add Cancel

Please note that a new STEERS user accounts will have a "probation" status until the signed STEERS Participation Agreement (SPA) is received by the TCEQ (either by mail or electronically).

	Account Sur	nmary	Help Cont	tact Us L	ogout	STEERS
2	Account Summary	Add IDs	Modify IDs	Who Else H	Has Access?	
TCEQ	Public Dri	nking V User	Vater - Sy :: ER00147	/stems l 4	D List	54:31
Your PD You have	WSYS access has been upda 1 IDs for PDWSYS	ted.				
1-1 OT 1	Records	n			0 sale a state of	Status Madified
TX0010007	DOGWOOD SPRINGS WSC PLANT	1 Pi	DW Systems	Sign and Su	Jbmit Self	probation D8/05/2012
	l	Add IDs	Modify IDs	Cancel		

To access the STEERS Participation Agreement (SPA), click on the "Account Summary" button on the top of the page. Once the STEERS Account Summary page is opened, the options for SPA are made available as follows:

• *Paper Submission*: For mailing of SPA, click on the "Paper SPA" button to access STEERS Participation Agreement (SPA).

	Help Contact Us Logout
TCEQ	Paper SPA E-sign SPA STEERS Account Summary User: ER001474

Click on the "Generate Your SPA" to create the SPA printout for the mailing to TCEQ.

	Account Summary	Help	Contact Us	Logout	STEERS
	Account 9	Summary	E-sign SPA		Constant of the
TCEQ	STEERS	Select	t SPA Typ	e	54:50
	Us	er: ER0	01474		
STEERS Participation Agreem	ent (SPA)				
Please select whether you want to sign your account electronically us	generate the entire SPA ng Texas Drivers Licen	A or a par se.	ial SPA for a s	specific authorization	. Or select E-sign above to
Generate Your SPA					
To generate the entire SPA, press	the "Generate Your SF	PA" buttor	ı below.		
	C and a second second		Interviewe		
	Generat	te Your S	PA Cance	1	
OR					
All fields are required. You must a	Authorization		you did in the	outhorization form	
Air lieius are requireu. Tou must e	iter the mornation the	Same as	you ulu ili the	aumonzation ionn.	
First Name:			Authoriza	tion first name.	
Last Name:			Authoriza	tion last name	
Company Name:			Fatavaa	descurrend	
Titlet			Enter one	кеуwora.	
nue:			Enter one	keyword.	

• *Electronic Submission:* To electronically sign the SPA, click on the "E-Sign SPA" (via Texas Driver License) button to access STEERS Participation Agreement - E-sign page. With the electronic signature of the SPA, users will be granted immediate access to their STEERS account

	Account Summary	lein	Contact Us	Logout	OTTO
	Account Sun	nmary	E-sign SPA		SIECH
TCEQ	STEERS Participation User:	Agre ER00	ement - 1 01474	New Ac	count 54:4
To sign your STEERS Par E-Sign SPA above. Other order to meet legal requir contain original, ink signa	rticipation Agreement (SPA) elec wise, please print the SPA using ements, STEERS cannot accept tures	ctronic: J your I t a faxe	ally with a va browser's pril ed SPA and 4	id Class (nt button : \LL signal	C Texas Drivers License (TDL), pres and mail it to the STEERS team. In ture blocks of the mailed SPA must
Mail SPA to STEERS:	Mailing Address TCEQ STEERS MC226 PO BOX 13087 Austin, TX 78711-3087	Phy TCE STE 121 Aus	/sical Addres EQ EERS MC226 00 Park 35 Ci ttin, TX 78753	S	
Note: We recommend you time to reach STEERS sta	u do not send the SPA via Certif iff.	fied Ma	ill as it is rout	ed throug	gh another agency and takes more
Account Information					
Account:	ER001474				
Name:	Joe Smith				
Company:	ENFOTECH				
Title:	MR				

For an online electronically signed SPA, use your Texas Driver License information.

Last Name: Su Company Name: ENFOTECH Title: PROJECT MANAGER TDL Number: 8 to 10-digit nur	Your last name as it appears on your TDL.
Company Name: ENFOTECH Title: PROJECT MANAGER TDL Number: 8 to 10-digit nur	
Title: PROJECT MANAGER TDL Number: 8 to 10-digit nur	
TDL Number: 8 to 10-digit nur	
TDI Audit Number	nber
IDL Audit Number.	The 11-, 16- or 20- digit number on your license.
SSN: Last 4 digits only	
Date of Birth: mm/dd/yyyy	
] I, Sony Su, have the authority to enter into this Agr standards listed below.	eement for ENFOTECH under the applicable
] I, Sony Su, certify that I am signing this document v information.	vith my personal Texas Driver's License
Jate of Birth: mm/dd/yyyy I, Sony Su, have the authority to enter into this Agr standards listed below. I, Sony Su, certify that I am signing this document w information.	eement for ENFOTECH under the applicable

4.2 STEERS passes validation to the E2 Reporting System

The laboratory participant must log into the E2 Report System via STEERS using E2 Production information. After logging into STEERS (www.tceq.texas.ogv/goto/steers)with a valid STEERS user account, password, answer the security question, select the applicable "Reporting Program Area" and click the "Go" button to access the E2 website as follows:



After a user has selected "Public Drinking Water – Laboratories (PDWLAB)", clicking on the "Go" button will re-direct the user to the E2 Reporting System. By default, the user will be greeted by the E2 home page as shown below

:

On the Home page for Laboratory Users, system announcements created by the administrator are displayed.

-	Laboratory My Account	Hollo ED001472			t Longur
me		Hello, ER001472	y Helb	STEEKS Home	
100	ppouprement				
	intoution				
_		uutee Bereattee (Buup) eest d			
<u>ه</u>	The E2 system is currently comprised of a Drinking The system provides regulated and non-regulated	y Water Reporting (DWR) module. I entities with an alternative way to submit da	ata,		
	The E2 system is currently comprised of a Drinking The system provides regulated and non-regulated using XML protocol, and allows TCEI to validate th and upload data to the state's central databases.	y Water Reporting (DWR) module. entities with an alternative way to submit de e data electronically, acknowledge receipt,	ata,		
	The E2 system is currently comprised of a Drinking The System provides regulated and non-regulated using XML protocol, and allows TCEU to validate th and upload data to the state's central databases. .aboratories: Laboratories can submit Microbial M	y Water Reporting (DWR) module. I entities with an alternative way to submit da e data electronically, acknowledge receipt, onitoring Report.	ata,		

5 E2-eDWR Online Data Entry Form

NOTE: E2 will accept incomplete data, however, TCEQ requires the data outlined in the guide and summarized in Appendix A. Samples may be rejected by TCEQ if data is incomplete.

The online data entry forms currently available in TCEQ's E2 Reporting System are described in the sections below:

5.1 Online Data Entry for Microbial Monitoring Form

The data entry process for the "Microbial Monitoring" online data entry form is as follows:

Step 1A: Login to STEERS with a valid STEERS user account number and password

Texas Environmental Electronic Reporting System.	
Here is what you can do online in STEERS:	Enter STEERS:
e-Permits\Registration: ** Air New Source Review Registrations ** CAFO General Permit ** Municipal Solid Waste Notifications ** Pesticide General Permit ** Petroleum Storage Tank (PST) Self-Certifications ** Storm Water General Permits (Construction & Multi-Sector)	ER Account Number: (ER + 6 digits) Password: Login
e-Reporting: ** Annual Emissions Inventory Report (AEIR) ** Air Emissions & Maintenance Events (AEME) Reporting ** Discharge Monitoring Reports (eDMR) ** Industrial & Hazardous Waste (IHW) NOR and Summaries ** Municipal Solid Waste (MSW) Quarterfv Report	I need: • my password • to create a new account • to authorize another user's account
 Pollution Prevention Planning (P2PLAN) Reporting Public Drinking Water (PDW) Training Roster Online Submittal (TROLS) 	Find Out When STEERS Will Be Offline

<u>Step 1B</u>: Once logged into STEERS, select the "Public Drinking Water – Laboratories (PDWLAB)" option and click on the "Go" button to access the E2 Reporting System.

	STEERS Home Help Contact Us Logout My Account Activity Submissions
TCEQ	STEERS Home
Welcome to STEERS Internet	Version 5.8!
Notice: STEERS automatically logs out af not by entering information on a page.	ter 20 minutes of inactivity. Activity is defined by moving from one page to another,
For more information on how to navigate t	his site, please visit our <u>Help</u> section.
Select Reporting Progr	am Area: Public Drinking Water - Laboratories (PDWLAB)

<u>Step 2</u>: After E2 validates the user account via STEERS web services, the lab user is presented with the E2 Home Page. Click the "Laboratory" tab.

me Laboratory My Account	Hello, ER001472 🦙 Help 🙀 STEERS Home 🙀 Logo
N Announcement	
Announcement	
Announcement The E2 system is currently comprised of a D The system provides regulated and non-reg	inking Water Reporting (DWR) module. ulated entities with an alternative way to submit data,
The E2 system is currently comprised of a D The E2 system provides regulated and non-reg using XML protocol, and allows TC2E to valid and upload data to the state's central data	inking Water Reporting (DWR) module. ulated entities with an alternative way to submit data, ate the data electronically, acknowledge receipt, ases.
Thinbulucement The E2 system is currently comprised of a D The E2 system provides regulated and non-regulated and NML protocol, and allows TCEQ to valic and upload data to the state's central data Laboratories; Laboratories can submit Micro	inking Water Reporting (DWR) module. ulated entities with an alternative way to submit data, ate the data electronically, acknowledge receipt, ases. bial Monitoring Report.



Step 3: For a lab user, the Laboratory Reporting Module menu options are available as follows:

<u>Step 4:</u> From the Laboratory Reporting Module, click on "Create New Reports" menu option. <u>Step 5:</u> Select an "associated" laboratory from the list and click on the "Online Data Entry" link to begin the online data entry form for Microbial Reporting Form. This menu should display only lab ID(s) associated with your account.

boratory 2	If you wish to submit a report usi select the icon with a left mouse To download a pdf of a blank Mi side bar to upload a CSV file of s	ing an online forn click. crobial Monitorin ample data.	n, first select a lab g Form, click on tl	using the dropdown field the ne icon under 'View Form.' Alt	n, under the 'Online Entry Form' column, ernatively, select 'Upload Reports' on the
Upload Reports Retrieve Saved Reports New Submission	Safe Drinking Water Reports for:	Select Labor	atory		
	Form Type	View Form	Download	Online Entry Form	
	Microbial Monitoring Form	$\langle \rangle$	N/A	(h)	

Please note that on the "Create New Report" page for the Laboratory Reporting Module, the following option is also available:

• View Form: Presents a "blank" set of fields from the Microbial Reporting Form.

<u>Step 6</u>: Once the "Online Data Entry" icon is clicked, a pop up window will be displayed as shown below. To proceed, click on the "OK" button.

create N	ew Report	
The syste laborator cancel the	m will automatically cr , Click OK to create a request.	eate and save a new report for this new report, or click Cancel to
OK	Cancol	

This will open the Microbial Monitoring Report Form for the user. The user will need to select the "Add New Record" button to begin online data entry.

Latorationy 2 Create tess Reports a) Lplond Reports a) Reserve Laved Reports	Anto New Record - Hangate to a new page to add a new Belefe - Delete the stretch Missipal Annuarem Time Same - Annual - Machina Mandona (Machina) Same - Annual - Machina (Machina) for the total Last - Enit to the 12 kib News page, All entered Microbia Microbial Monitoring Report Form	Microbial Manifornig Paim and can storing Form before submission to T Monifornig Paim are sweed. To subm	goe lista. CEQ. : Inf or edit at a later date, disk on filetrie	ve Saivest Reports' menu option	
2 Vervi Submission	Laboratory Name: 1111 - TEST LAB A				
	TCEQ Las ID: 1111				
	Report Form ID: 1459				
	M	(1 of 1) 😰 🖾	207 💌		
	View/Edit PWS ID	PWS Name	Sampler Name	Sampler Phone #	Delete
	No records found.				
		(1 68)	20		
	Add New Record				
	Enit Submit Preview				

<u>Step 7:</u> When the user selects the "Add New Record" button, the online Microbial Monitoring Data Entry Form opens. In the Online Data Entry form for Microbial Monitoring Report Form (MMRF), the lab user will be allowed to enter data from the Microbial Reporting Form.

Create New Reports	Microbial Monitoring Report Form	
Upload Reports Retrieve Saved Reports View Submission	Laboratory Name: 1111 - TEST LAB A TCEQ Lab ID: 1111	
	Report Form ID: 1469	
	General Information	
	TCEQ Lab ID: *	(1111)
	Certificate/Accreditation ID:	0
	PWS Id: *	0
	Sampler Name:	0
	Sampler Contact Phone #:	0
		~

The Online Data Entry form for the MMRF is divided into the following two sections:

- General Information
- Sample Information

In the "General Information Section", the following data fields are available as follows:

- TCEQ Lab ID * (Locked from entry. This is the same selected lab id from previous page)
 - PWS ID * (text box)
- Sampler Name * (text box)

- Sampler Contact Phone # (text box)
- Sampler Contact Phone Extension # (text box)
- Sampler Type (drop-down combo box with values of Owner, Operator, Other)
- System Type (drop-down combo box with values of Public, Private, Bottled/Vended, Other)
- Water Source (drop-down combo box with values of Groundwater, Surface Water, GW with Surface Water Influence, Both Surface Water and Groundwater)
- Sample Iced? * (drop-down combo box with values of Yes, No)
- Sample Temperature at receipt in °C * (text box)
- Sample Received By: First & Last (text box)
- Date Received (date text box with calendar for date)
- Time Received * (time text box with selection for time)
- Sample Tested By: First & Last (text box)
- Date Tested * (date text box with calendar for date)
- Time Tested * (time text box with selection for time)
- Sample Reported By: First & Last (text box)
- Date Reported * (date text box with calendar for date)
- Time Reported * (time text box with selection for time)
- General Report Comments and Explanation (text box)

-

The red (*) represent required data fields for online submission.

General Information	
TCEQ Lab ID: *	IIII
Certificate/Accreditation ID:	0
PWS Id: *	0
Sampler Name:	0
Sampler Contact Phone #:	0
Sampler Contact Phone Extension #:	0
Sampler Type:	
System Type:	
Water Source:	0
Sample Iced?:	
Sample Temperature at receipt in °C:	0
Sample Received By: First & Last:	0
Date Received:	0
Time Received:	0
Sample Tested By: First & Last:	0
Date Tested:	•
Time Tested:	0
Sample Reported By: First & Last:	0
Date Reported:	0
Time Reported:	0
Ceneral Report Comment and Explanation:	0

In the "Sample Information Section", the following data fields are available as follows. Please note that it is not necessary to submit results from construction or special samples to TCEQ since those are not used in compliance with the Revised Total Coliform Rule.

- Laboratory Sample ID Number * (text box)
- Sample Identification/Location * (text box)
- Sample Collected Date * (date box with calendar for date)
- Sample Collected Time * (time box with hour, minute, and second)
- Replacement Indicator * (drop down combo box)
- Sample Type * (drop-down combo box)
- Original Lab Sample ID * * (text box)
- Original Lab ID * * (text box)
- Original Collected Date * * (date box with calendar for date)
- Chlorine Residual Type (Free or Total) * (text box)

- Chlorine Residual Value (Measure) * (text box)
- Unsuitable Sample Please Resubmit (This will be used by the Lab to indicate a sample was rejected/deemed unsuitable for analysis/Lab Invalidated) (text box)
- Analyte Under Test * (drop down combo box)
- Lab Results for Analyte * (drop down combo box with Present and Absent value)
- Lab Results for Fecal Indicator Analyte Code (drop down box, auto populated by system)
- Lab Results for Fecal Indicator (drop down combo box with Present and Absent value)
- Lab Results for E. Coli Indicator Analyte Code (drop down box, auto populated by system)
- Lab Results for E. Coli Indicator (drop down combo box with Present and Absent value)

The red (*) represent required data fields for online submission. The red (**) represent conditional required data fields.

Sample Information	
Laboratory Sample ID Number: *	
Sample Identification/Location:	
Sample Collected Date: *	
Sample Collected Time:	
Replacement Indicator: *	No
Sample Type: *	
Original Lab Sample ID: **	
Original TCEQ Lab ID: **	
Original Collected Date: **	0
Chlorine Residual: *	
Chlorine Residual Value: *	
Unsuitable Sample - Please Resubmit:	
Analyte Under Test: *	
Lab Results for Analyte: *	
Lab Results for Fecal Indicator Analyte Code:	
Lab Results for Fecal Indicator:	
Lab Results for E. Coli Indicator Analyte Code:	
Lab Results for E. Coli Indicator:	
Instructions: Delete Selected Records - Deletes the records below that the Validate and Save - Validates the form above and adds it the Edit - Repopulates the sample information above from the Add New Record - Validate/Saves the online data entry for fields for the next sample. Done With Form - Navigates back to the Microbial Monito Delete Selected Records Validate and Sate Edit Record PWS ID Samp No records found.	he user has checked. o the list below. To add multiple samples, click Add New Record. "selected record. m and adds the currently entered sample to the sample summary list below. Also, clears the 'Sample Information' data ring Form Summary page. Any sample not saved to the sample summary list will be lost. ave Add New Record le Identification/Locatior Laboratory Sample ID Number Sample Collected Date / Time
Deres able Former	
Done with Form	

Once data entry for a sample has been completed, click the "Validate and Save"

Validate and Save

button to check the information entered against the QC data validations defined for MRF. After the data has been validated, it has been saved until the lab user is ready to submit. Once the user has completed adding the data and saved the selected sample result, click the "Add New Record"

button to enter the second sample result. The data entered in the first section, the "General Information Section", will remain the same as the previous sample. Continue the process until all the sample results and requisite data from the MRF 10525 has been entered into the online data entry form.

Data that has been entered, but not yet submitted can be viewed on the "Retrieve Saved Samples" page in the Laboratory Reporting Module menu. Select your laboratory from the dropdown menu. To delete exiting report forms mark the checkbox and click "Delete" above. To edit existing samples click in the Online Data Entry form will appear.

After the user has completed entering all the MRF 10525 sample data, the user will click on the

button to go back to the previous page displaying all samples entered. A listing of Microbial Monitoring Form by PWS is shown.

For submission of multiple MMSSF 10525 forms please click on "Add New Record" button to continue.

robial Monitoring F	Report Form		
Laboratory Name:	1111 - TEST LAB A		
TCEQ Lab ID:	1111		
Report Form ID:	1469		
		(1 of 1)	00 0
View/Edit	PWS ID	PWS Name	Samp
No records four	ıd.		
		(1 of 1)	

Step 9: When the lab user is ready to submit all data entered on the Microbial Monitoring Report

button. Once clicked, a pop up window will be displayed as shown

below. To proceed, click on the button. This will open the submit page. Form, click on the

Submit

Laboratory Nami	e: 48001 - TEXAS	DSHS MICROBIOLOGICAL SCIENCES DIV
TCEQ Lab ID:	48001	Submit Report *
Report Form ID:	1468	The data will be submitted to the server. Click OK to continue, or click Cancel to cancel the request.
View/Edit	PWS ID	Cancel
4	TX3000001	IMA COMMUNITY GW SYSTEM - MEDIUM
		(1 of 1) 1 20 -

Step 10: On the E2 submission page, enter the password, read the certification statement, and place a check mark in the "I Certify checkbox" to associate your electronic signature with the submitted samples and press the "Submit" button to submit the Microbial Monitoring Form report online.



Once the "Submit" button is clicked, E2 will call STEERS' web service to validate the following:

- Lab user has entered the correct password
- Lab user has the correct role to "Sign and Submit" the report online

<u>Step 11:</u> Upon successful submission, the receipt page is displayed online as shown below. A submission confirmation email will be sent to the submitter's email address associated with the account. Note: Successful submission does not mean data has passed validation steps. Please return to the "View Lab Submission" application to track the progress of your submission through validation.

"Raparting	
Submission Successfull Confirma check the submission status late	tion Number:49 Please go to 'View Submission' page to r.
Submission ID: 49	
Certifier's Name: ER001454	
Certifier's TCP/IP address:	
Date and time file was sent: 08	/07/2012 05:59:54
Date and time file was received:	08/07/2012 05:59:54
Date and time acknowledgment v eSignature:	was sent: 08/07/2012 05:59:55
F280223C722F6D81EF16A6EA00	B199E065CA3FC07D135AFDE3EC5FF4C56182B8

Step 12: After the Microbial Monitoring Report Form is submitted in E2, it is available for review at any time under the Laboratory Reporting Module. Select "View Submission" menu option to open.

2	Create New Reports
20 20	Upload Reports
2	Retrieve Saved Repor
2	View Submission

6 E2-eDWR Online File Upload

NOTE: E2 will accept incomplete data, however, TCEQ requires the data outlined in the guide and summarized in Appendix A. Samples may be rejected by TCEQ if data is incomplete.

The online file upload options available in TCEQ's E2 Reporting System are described in the sections below.

6.1 CSV File Structure for the Online Upload Option of E2

Labs must structure CSV files in adherence to the provided Electronic Data Dictionary (EDD). The EDD is based on the 70-column schema previously developed by TCEQ. The EDD requires all fields to be included in the CSV file, even if there is no data is required for a specific field or multiple fields. Appendix A in Section 7 provides the detail necessary for creating properly structured CSV files including the sequence in which data elements are ordered, the type of data (i.e. alpha-numeric or numeric), optionality of a given data element (i.e. optional, mandatory, or conditionally mandatory), and the associated business rules. As CSV files separate data elements by using commas null or blank data elements will be displayed as a series of commas, as seen in the example below:

A12345,,TX1234567,,,,TCEQ,DS01,

where A12345 is the Lab Sample Number, TX1234567 is the PWS ID number, TCEQ is the Lab Certifying Agency, and DS01 is the State Assigned ID. Because the State Sample Number, PWS Name, Alternative Customer Name, System Type, and Replacement Indicator are optional, data does not need to be included. The repeated commas act as placeholders for the data elements that do not require information, as listed above, and are required in order for E2 to successfully process and validate the submitted file. In addition, commas MUST NOT be included in any of the data elements (ex: "Joe, Andy, and Mike" entered as collector's name) as they may result in submission and validation errors and making it necessary to re-submit a given file. Data can be viewed in this raw format using programs such as Notepad or WordPad.

NOTE: Please make sure that the CSV file created is using the "ANSI" encoding. Also, if you have multiple labs with multiple sample results, please create a CSV file for each lab.



6.2 Online CSV File Upload of Microbial Monitoring Data

The example screen flow for the Online File Upload of the Microbial Monitoring Data, which has been formatted into a defined CSV file-structure, is as follows:

Step 1A: Login to STEERS with a valid STEERS user account number and password

THE STATE OF TEXAS ENVIRONMENTAL ELECTR TEXAS COMMISSION ON ENVIRONMENTAL QUALITY	ONIC REPORTING SYSTEM
Welcome to STEERS Development, the State of Texas Environmental Electronic Reporting System. Here is what you can do online in STEERS: e-Permits\Registration: *> Air New Source Review Registrations *> CAFO General Permit *> Municipal Solid Waste Notifications *> Pesticide General Permit *> Petroleum Storage Tank (PST) Self-Certifications *> Storm Water General Permits (Construction & Multi-Sector)	Enter STEERS: ER Account Number: Password: Login
e-Reporting: * Annual Emissions Inventory Report (AEIR) * Aric Emissions & Maintenance Events (AEME) Reporting * Discharge Monitoring Reports (eDMR) * Industrial & Hazardous Waste (IHW) NOR and Summaries * Municipal Solid Waste (MSW) Quarterly Report * Pollution Prevention Planning (P2PLAN) Reporting * Public Drinking Water (PDW) XXX * Training Roster Online Submittal (TROLS)	I need: • my password • to create a new account • to authorize another user's account Find Out When STEERS Will Be Offline

<u>Step 1B:</u> Once logged into STEERS, select the Public Drinking Water- Laboratories (PDWLAB) Program module menu option to access E2 Reporting System

	STEERS Home Help	Contact Us	Logout
TCEQ	STEE	RS Home	1531013
Welcome to STEERS Internet Versio	on 5.8!		
Notice: STEERS automatically logs out after 20 m not by entering information on a page.	inutes of inactivity.	Activity is def	ined by moving from one page to another,
For more information on how to navigate this site,	please visit our <u>Hel</u> p	section.	
Select Reporting Program Are	a: Public Drinking W	ater - Laborat	ories (PDWLAB) 🔽 🛛 Go

<u>Step 2</u>: After E2 validates the user account via STEERS web services, the Lab User is presented with the E2 Home page with any messages.

ICEQ			(Reporti
Laboratory My Account	Hello, ER001472	? Help	X STEERS Home	💥 Logout
Mannouncement				
The E2 system is currently comprised of a The system provides regulated and non-r using XML protocol, and allows TCEQ to va and upload data to the state's central dat	Drinking Water Reporting (DWR) module. egulated entities with an alternative way to submit da lidate the data electronically, acknowledge receipt, abases.	ata,		

Step 3: For the Lab User, the Laboratory Reporting Module menu options are available as follows:

• Create New Reports: Creates a manual entry form for lab users to submit samples

- Upload Reports: Users upload an existing .csv file containing samples to be submitted
- *Retrieve Saved Reports*: Manual entries not yet submitted are saved here for future use •
- View Submissions: Users can view, check status, and receive feedback on previous submissions



Step 4:

Upload Reports

The lab user will select the button once they are ready to upload their CSV file extract. The lab's generated CSV File must be based on the defined schema (70-column CSV file format).

Step 5: Once a CSV file with Microbial Monitoring data is prepared, click on the "Upload

Reports" menu option in Laboratory Reporting Module. An "Upload Report" page will be opened as shown below.

Home Laboratory My Account	it			
Laboratory 🖉	0	Select Laboratory:	11111 - TEST LAB A	
Create New Reports	0	Select File	+ Choose	
View Submission			Preview	
1	3	Test File	Test	
	0	Enter Password:		
	6	Certify Your Submission	I certify that I am authorized under 30 Texas Administrative Code Subchapter 305.44 to sign this document and can provide documentation in proof of such authorization upon request. I 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	

Step 6: On the "Upload Report" page, please select the applicable laboratory from the list of associated lab list. Please make sure that the Lab ID selected matches the lab Lab ID used in the CSV file.

Home Laboratory My Account			
Laboratory 🙎	Select Laboratory:	1111 - TEST LAB A	
Create New Reports	2 Select File	+ Choose	
View Submission		Preview	

If the selected lab in E2 does not match the lab on the CSV file, the system will display an error message as shown below.

0	Select File	+ Choose	
E2_t	test_RW-TC-	Validate File Error	
A-10	dl.csv	E2_test_RW-TC-A-1d1.csvOn your CSV file, you are only allowed to submit for the same lab that you selected.(Row	
0	Test File	number: 1)	
0	Enter Password:		
6	Certify		

<u>Step 7:</u> On the "Upload Report" page, browse and locate the CSV file saved locally on user's computer, enter password, and click on the "Submit" button to upload the selected file into E2.

When the "Choose" button is clicked, it will bring up the "Choose File" pop-up window. The user will browse through his or her local file directory and select the desired file to be uploaded. The selected file must have a <u>.csv</u> file extension. Otherwise a system error will be displayed.



<u>Step 7A:</u> Use the "Test" button to quickly validate the file is in .csv format, all 70 fields are accounted for, and that all 70 fields are in the proper format.

Step 8: Once the "Submit" button is clicked, E2 will call STEERS' web service to validate the following:

- PWS user has provided the correct password
- PWS user has the correct role to "Sign and Submit" the report online

<u>Step 9:</u> If validation error is found, an error icon with error message will be displayed on the top of "Upload Reports" page.

<u>Step 10:</u> If no validation error is found, a successful submission message is displayed on the receipt page online as shown below.



Also, a submission received confirmation email will be sent to the submitter's email address. Note: Successful submission does not mean data has passed validation steps. Please return to the "View Lab Submission" application to track the progress of your submission through validation. <u>Step 11:</u> After the Microbial Monitoring Form is submitted in E2, it is available for review at any time under the "View Submission" menu option. Change the "Submitted between:" date range and click "Go" to see status of submissions.

Home Laboratory My Account	
Laboratory	View Lab Submissions View Lab Reports View Lab Samples
Create New Reports	Search Panel
Retrieve Saved Reports	Lab Name:
View Submission	Submission Status: All
	Program:
	Submission ID:
	Submitted between: and and
	Status: 🖑 Processed 🔆 Rejected 👶 Received 🥥 Resubmitted
	(1 of 1) (1 of 20
	Resubmit Download Submission Chain of Custody Sub. ID Previous Sub. ID
	No submissions found with given criteria

Step 12: Review submissions to make sure last file upload was processed (denoted by the green checkmark). If file was rejected, click the red X icon to receive feedback.

7 E2-eDWR Online Submission Viewer

Using the 'View Submission' tab in E2 Laboratory Reporting Module, users are able to view previous submissions, check the status of their submissions, retrieve E2 generated Microbial Monitoring Forms for samples.

7.1 Confirming Successful Data Validation/Viewing Previous File Submissions

To check file submissions to ensure all files have been successfully processed, click "View Submissions" in the Laboratory Reporting Module. Select the tab "View Submissions" as shown below.



Enter a range of dates in the "Submitted Between: "fields and click "Go". E2 will load all submissions from that user during the range of dates. Although the "Submitted Between: "fields are mandatory, users can also search for submissions based on other criteria:

- Submission status
- Program
- Submission ID

The table will display the following columns:

An example "View Submissions" page is shown below.

Create New Reports	Search Panel									1
Reference Several Reports	Lab Name;	AQUA TEC	сн							
Vew Submission	Submission State	All								
	Program.									
	Submission ID	02/01/2	012	and 02/05	2013					
	Status: & Process	ed 🍣 Reject	ted 🧔 Receive	d 🥥 Resubm	itted					
	Go Status: & Process	ed 🍣 Reject	ted 👶 Receive	d 📀 Resubm (1. of 1)	itted		20 •			
	Go. Status: & Process Resubmit	ed 🕉 Reject Download Submission	Download	d Sesubm () of () Chain of Curstody	a Sub, ID	1 © Previous Sub, ID	20 + : Received Date	Statu	d Status Date	© Submi User
	Go Status: & Process Resubmit	ed 🕉 Reject Download Submission N/A	Download COR	d Sesubm (For f) Chain of Custody S	a Sub. ID	1 © Previous Sab. ID	20 + 20 Seceived 2013-02-04 10:27:16.0	Statu &	Status Date 2013-02-04 10:2218.0	C Submi User admin enfoTe
	Co Status: & Process Resubmit N/A	ed 💸 Reject Download Submission N/A	Download COR	0 of 1) Chain of Custody ©	a Sab. 10 617 616	T © Previous Sub. ID	20 • 20 80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Statu Statu	 \$ Status Date 2013-02-04 10:27:18.0 2013-02-04 10:24:14.0 	 Submit User admir enfoTe admir enfoTe

For Submission Status, these statuses are available as follows:

Received Received : A submission with "Received" status has been received by the

E2 Reporting System, but has not yet been validated.

- **Rejected** Rejected : A submission with "Rejected" status has been received by the E2 Reporting System, and was validated. However, errors were detected when validating the submission. This icon can be clicked to view feedback on why the submission was rejected.
- **Processed** : A submission with "Processed" status has been received by the E2 Reporting System, and was validated with no errors detected. Only sample / results contained within "Processed" submissions will be migrated into SDWIS/State.
- **Resubmitted** Resubmitted : A submission with "Resubmitted" status was originally rejected by the E2 Reporting System, but a new submission was made to correct the errors.

7.2 Retrieving E2 Generated Microbial Monitoring Forms

Users can retrieve E2 generated Microbial Monitoring Forms using the 'View Submission' page. These generated MMFs serve as records for those using the Manual Entry method. Once on the 'View Submissions' page, click the "View Lab Reports" tab.

```
View Lab Submissions View Lab Reports View Lab Samples
```

Enter search criteria of submissions and a table will appear as shown below:

View	©Sub. ID	©Report ID	Laboratory	Received Date	Status	Status Date	Report Type	≎Submit Use
$\langle \rangle$	4368		1111 - TEST LAB A	2016-05-19 16:55:31.0	3	2016-05-19 16:55:33.0		Christina M Destefano
$\langle \rangle$	4367	3542	1111 - TEST LAB A	2016-05-17 09:48:20.0	\$	2016-05-17 09:48:21.0		Christina M Destefano
\diamond	4366	<mark>35</mark> 41	1111 - TEST LAB A	2016-05-17 09:46:08.0	\$	2016-05-17 09:46:09.0		Christina M Destefano
$\langle \rangle$	4365	3540	1111 - TEST LAB A	2016-05-17 09:41:51.0	\$	2016-05-17	1	Christina M Destefano

The table lists the following information:

- View
- Sub ID
- Report ID
- Laboratory
- Received Date
- Status
- Status Date
- Report Type
- Submit User

Users can click the ^{Ser} icon under the "View" column to show the generated MMF, as shown below:

		a e a concerno								_				
				(1 of 102)		1234	56	7 8 9 1	0	►I				
	TCEO			MICR		OPINC FORM								
	Dublic/D	irivato M	stor Sustem Identificatio	n & Comple Colle	obial MONT	on (Plassa bina ar	uso block	ncint)						
Public/Private Water System IDE-nuncation & Sample Collection Information (Please type or use block print) Public Water System ID: (Must be 7 digits; include all zeros) TX2260038						1								
Public Water System Water System Water System							LABORAT			TCEO	Q Lab ID:			
County: TOM CREEN							Sami	ole Iced?	UNLT - DI	DINUT MARK	Date/			
	Name:	WEST	TEXAS BOYS RANCH	FOUNDATION	OUNDATION					Yes		No	By:	Time
Send Address: PO BOX 4077							If no temperature at Tested Date/							
esults To:	City:	SAN A	NGELO						receipt?				Time Tested	
	State:	тх		Zip:	76904-407	77						Reported	Date/	
Phon	e #:			Fax #:					*C Time By: Reporter					
Sa	mpler Name	1: I	Banister,Wade							Repo	ort Approv	al e		
Sam	pler Contact	#: 1	Ext.		Owner	Operator		Other		Approvin	ig			
	Sys	tem Typ	pe:			Water Source:				Technica Director	al r:			
ublic	Private	Bottl	ed/Vended Ground V	Water 🗐		Surfa	ace Water	• 💷			Unsu	iitable		Lai
Other CW with Surface Water Influence								Ple	ipie - iase N	Jote: All test	results r			
Sample Collected Sample Type:							Chlorine	Resu	bmit*		re			

MMFs can be printed or saved for user records from this menu using the "Download Printable Reports" option in the top left corner.

8 STEERS Test

E2 TEST is a platform designed to simulate E2 Production without officially submitting samples. This program can be used to get acquainted with the functionality of E2 and is recommended to users beginning with E2. E2 Test adheres to the same validation rules as E2 Production and can present feedback regarding data entered. Note E2 Test does require separate account information to be used. The website for E2 Test is

https://www3tst.tceq.texas.gov/steers/index.cfm. The homepage will appear as below:

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY	Questions or Comments >> TCEQ Home				
Welcome to STEERS Test, the State of Texas Environmental Electronic Reporting System. Here is what you can do online in STEERS: e-Permits\Registration > Aggregate Production Operations Registration >> Aggregate Production Operations Registration >> Air New Source Review Registrations >> CAFO General Permit >> Municipal Solid Waste Notifications >> Pesticide General Permit >> Petroleum Storage Tank (PST) Self-Certifications >> Storm Water General Permits (Construction & Multi- Sector)	Enter STEERS: ER Account Number: (ER + 6 digits) Password: Login I need: • my password • to create a new account • to authorize another user's account				
e-Reporting: >> Annual Emissions Inventory Report (AEIR) >> Air Emissions & Maintenance Events (AEME) Reporting >> Emissions Banking and Trading (EBT) >> Industrial & Hazardous Waste (IHW) NOR and Summaries >> Municipal Solid Waste (MSW) Reporting >> Pollution Prevention Planning (P2PLAN) Reporting >> Training Roster Online Submittal (TROLS)	Find Out When STEERS Will Be Offline We do our best to ensure that STEERS is online when you need it. But for upgrades, security measures, and other maintenance, we must bring STEERS or one of its modules offline. We cannot predict emergency outages, but for scheduled downtimes, see our STEERS maintenance schedule.				
See details of what you can do.					
This is STEERS version 6.0.					

Once you have logged into STEERS Test, users will see a message in red stating they are in STEERS Test as shown in the image below:



Users can check the URL as well to see if they are operating E2 Test or E2 Production mode. URL will include "www3tst.tceq....." as oppose to "www3.tceq....."

9 Appendices

9.1 Appendix A –CSV elements to SDWIS/XML Sampling user guide

Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
1	B_LAB_SAMPLE_NUMBER	Laboratory – issued unique sample number	Alpha- Numeric	20	Mandatory	Lab unique identifier
2	B_STATE_SAMPLE_NUMBER	State issued unique sample number	Alpha- Numeric	20	N/A	Open field
3	B_PWS_NUMBER	State assigned Public Water System Identification on Number	Alpha- Numeric	9	Mandatory	PWS ID all begin "TX######"
4	S_PWS_NAME	Public Water System name	Alpha- Numeric	40	Optional	PWS Name

Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
----------------	-----------------------------	------------	--------	---------------------	-------------	----------------

5	L_ALTERNATIVE_CUSTOMER_ NAME	An alternative name for the Public Water System	Alpha- Numeric	40	N/A	Open field
6	S_SYSTEM_TYPE	The type of water system	Alpha- Numeric	2	Mandatory	"PU"- indicates the water system is a public water system. Note: Do not upload files for non-public samples to E2.
7	B_REPLACEMENT_INDICATOR	Indicates if the sample is a replacement for a previous sample	Alpha- Numeric	1	Mandatory	N: Assumed value Y: Replacement Sample (If Y, fields 25, 26, 38 and 39 become mandatory; the original sample number and original date of collection must be reported) i.e. (a broken bottle, excessive chlorine etc.) not a replacement if a sample is positive. (that would be a "RP")
8	B_LABORATORY_CERTIFYING_ AGENCY	Agency which certifies laboratories – will always be 'STATE'	Alpha- Numeric	10	Mandatory	"STATE"

9	B_LABORATORY_CERTIFICATI ON_ID	State assigned Laboratory accreditation on identification on number	Alpha- Numeric	10	Mandatory	State-assigned lab accreditation ID. Must be current in SDWIS system or will fail second validation.
10	B_WSF_STATE_ASGN_ID	State assigned Public Water System facility identification on	Alpha- Numeric	12	Mandatory	Use "DS01" for the following codes: RT, RP, CN, SP Use the Source ID for RW (raw) e.g. G#######(A)
11	B_SAMPLING_POINT	Type of sampling point. See Business Rules for description s	Alpha- Numeric	12	Mandatory	"DSTCRRT": Routine "DSTCRRP": Repeat "ASM": Raw Assessment Source Monitoring OR "TSM": Raw Triggered Source Monitoring "DSTCRSP": Special and Construction
12	B_SAMPLING_LOCATION	Location of sampling point	Alpha- Numeric	40	Optional	RT: "ROUTINE TCR SAMPLE", RP:" REPEAT TCR SAMPLE, SP:" SPECIAL TCR SAMPLE", CN: "SPECIAL TCR SAMPLE" and RW:"WELL TAP"

Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
----------------	-----------------------------	------------	--------	---------------------	-------------	----------------

13	B_SAMPLE_CATEGORY	State sample category – will always be 'TC' (Total Coliform)	Alpha- Numeric	2	Mandatory	"TC"
14	B_COMPLIANCE_INDICATOR	Indicates if a sample is taken for compliance purposes	Alpha- Numeric	1	Mandatory	"Y": RT, RP, or RW "N": SP or CN.
15	B_DOC	The date in which the sample was collected	Date	10	Mandatory	Value must be before or on the current date. Date of Collection in MM/DD/YYYY format
16	B_TOC	The time the sample was collected	Time	11	Mandatory	HHMM in 24-hour format
17	B_SAMPLE_TYPE	The type of sample collected – see Business Rules	Alpha- Numeric	2	Mandatory	RT: Routine TCR Sample RP: Repeat TCR Sample RW: Either Raw ASM or Raw TSM sample SP: Special TCR Sample CN: Construction TCR Sample

Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
18	B_REPEAT_LOCATION	The location where a repeat sample was collected – see Business Rules	Alpha- Numeric	2	Optional	Must be either one of the following: • UP (upstream) • DN (downstream) • OR (original) If sequence #17 is "RP"
19	B_LAB_REC_DATE	The date in which the laboratory received the sample	Alpha- Numeric	10	Mandatory	Date of Receipt in MM/DD/YYYY format
20	B_COLLECTOR_NAME	The name of the sample collector	Alpha- Numeric	40	Mandatory	"First Name Last Name" No punctuation allowed
21	B_SAMPLE_VOLUME	The volume of the sample taken	Numeric	9	Optional	"100"
22	B_LEAD_COPPER_SAMPLE_TYP E	This field is not applicable	Alpha- Numeric	3	N/A	Open field

23	B_SAMPLE_REJECTION_REASO	The reason for a Alpha- Numeric	Alpha-	2	Conditionally	This field must be populated if the sample is rejected.
10	Ν	sample	Numeric	_	Mandatory	Rejection code must be one of the following:

Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
		being				BP: Invalid sampling point
(22)		rejected				BR: Broken
(23)						CL: Chlorine present
						EH: Exceeds holding time
						EV: Excessive Volume
						FZ: Frozen sample
						HB: Heavy Bacterial Growth
						IN: Insufficient information
						IP: Invalid sampling protocol
						LA: Lab accident
						LR: Lab Rejected
						LT: Leaked in transit
						NC: No chlorine residual
						ST: Heavy Silt or Turbidity Present
						VO: Insufficient volume

24	B_COLLECTION_METHOD_COD E	Code representing the method used for sample collection – see Business Rules	Alpha- Numeric	12	N/A	Open field
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Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
25	B_ORIGINAL_LAB_SAMPLE_NU MBER	Laboratory -issued unique sample number for originating sample	Alpha- Numeric	20	Conditionally Mandatory	 Format must match reporting of initial rejected sample or positive sample. Must be populated for: Replacement Samples Repeat Samples Raw Triggered Source Monitoring Samples
26	B_OG_DOC	Date of collection for originating sample	Alpha- Numeric	10	Conditionally Mandatory	 MM/DD/YYYY format. Must be populated for: Replacement Samples Repeat Samples Raw Triggered Source Monitoring Samples Date must be prior to B_TOC.

27	B_LAB_COMPOSITE_NUMBER	This field is not applicable	Alpha- Numeric	20	N/A	Open field
28	B_COMP_DATE	This field is not applicable	Alpha- Numeric	10	N/A	Open field
29	B_FREE_CHLORINE_RESIDUAL	The measure of free chlorine residual in the distribution system	Numeric	3-5	Conditionally Mandatory	Either free or total chlorine residual must be populated for all compliance samples. <u>Lab must</u> <u>reject sample if no value was</u> <u>collected.</u> Must include leading zeroes for values < 1. If a PWS did not report a value on MRF do not enter a value of zero. Please send the MRF to TCRDATA for the sample that was rejected. Sequence #23 will be "NC"

Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
30	B_TOTAL_CHLORINE_RESIDUA L	The measure of total chlorine residual in the distribution system	Numeric	3-5	Conditionally Mandatory	Either free or total chlorine residual must be populated for all compliance samples. Lab must reject sample if no value was collected. Must include leading zeroes for values < 1. If a PWS did not report a value on MRF do not enter a value of zero. Please send the MRF to TCRDATA for the sample that was rejected. Sequence #23 will be "NC".

31	B_SAMPLE_WATER_TEMPERAT URE	The FIELD temperature of the water when the sample was not delivered on ice by the PWS.	Numeric	1-3	N/A	Open field.
32	B_TEMPERATURE_UNIT_MEAS URE	Unit of measure for FIELD temperature	Alpha- Numeric	1	N/A	Open field.
33	B_TURBIDITY_MEASURE	The FIELD measure of turbidity of the collected sample	Numeric	2-5	N/A	Open field

Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
34	B_PH_MEASURE	The FIELD pH measure of the collected sample	Numeric	1-4	N/A	Open field

35	B_FLOW_RATE	The FIELD measured flow rate at the time and location of the collected sample	Numeric	4-7	N/A	Open field
36	B_SAMPLE_PURPOSE	The reason for the sample collection	Alpha- Numeric	2	Optional	This field may be populated for RW and CN samples.
37	B_STATE_CLASSIFICATION_CO DE	The classification code, provided by TCEQ	Alpha- Numeric	6	N/A	Open field

Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
38	B_ORIGINAL_LABORATORY_C ERTIFYING_AGENCY	Agency responsible for certifying the lab which analyzed the originating sample	Alpha- Numeric	10	Conditionally Mandatory	 This field must be populated for: Replacement Samples Repeat Samples Raw Triggered Source Monitoring Samples

39	B_ORIGINAL_LABORATORY_C ERTIFICATION_ID	Laboratory certification identification number for lab which analyzed the originating sample	Alpha- Numeric	10	Conditionally Mandatory	 This field must be populated for: Replacement Samples Repeat Samples Raw Triggered Source Monitoring Samples
40	B_SAMPLE_COMMENTS	Used for entering the Sample Location	Alpha- Numeric	1000	Mandatory	This is the location (Address) of sample collection. Do not include punctuation. For raw samples, report the Source ID without extraneous details (ex: G1234567A).
41	B_ANALYTE_CODE	EPA- defined analyte code	Alpha- Numeric	4	Mandatory	"3100" - This should be the default for all samples with a result. Analyte codes will differ for Enterococci (3002) and Coliphage (3028) samples.

Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
42	B_ANALYSIS_SDATE	Date on which analysis of the sample started	Alpha- Numeric	10	Mandatory	Sample will be rejected if Analysis Start Date supplied is prior to Sample Collection Date. Must be in MM/DD/YYYY format.

43	B_ANALYSIS_STIME	Time in which analysis of the sample started	Alpha- Numeric	11	Mandatory	HHMM 24-hour format
44	B_ANALYSIS_COM_DATE	Date on which analysis of the sample completed	Alpha- Numeric	10	Optional	Sample will be rejected if Analysis Completion Date is prior to Sample Collection Date and/or Analysis Start Date. Must be in MM/DD/YYYY format.
45	B_ANALYSIS_COM_TIME	Time in which analysis of the sample completed	Alpha- Numeric	11	Optional	HHMM 24-hour format
46	B_STATE_NDATE	Date on which TCEQ was notified of the sample analysis result	Alpha- Numeric	10	Mandatory	Must be in MM/DD/YYYY format.

Seque	Staging Table Column Header	Definition	Domain	Size(preci	Optionality	Business Rules
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47	B_PWS_NDATE	Date on which the Public Water System was notified of the sample analysis result	Alpha- Numeric	10	Mandatory	Must be in MM/DD/YYYY format.
48	B_DATA_QUALITY	Data quality determination of the sample collected	Alpha- Numeric	1	Mandatory	A: Accepted R: Rejected
49	B_DATA_QUALITY_REASON	The reason for which a sample may have data quality value of "Rejected"	Alpha- Numeric	2	N/A	Open field
50	B_ANALYSIS_METHOD_CODE	EPA defined code for a given laboratory analysis method	Alpha- Numeric	30	Mandatory	9221B, 9221D, 9221F-PA, 9222B, 9222C, 9222G, 9223B, COLILERT-18, COLISURE-PA

Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
51	B_VOLUME_ASSAYED	The volume used in analyzing the collected sample	Numeric	9	Optional	"100"
52	B_LAB_REJECTION_REASON	The reason for which a laboratory may reject a collected sample	Alpha- Numeric	4	N/A	Open field
53	B_MICROBE_PRESENCE_INDIC ATOR	Indicates microbial absence or presence in collected sample	Alpha- Numeric	1	Conditionally Mandatory	Must be populated if Data Quality reason is "A" for accepted. Must be populated with a "P" if either S_FECAL_INDICATOR or S_ECOLI_INDICATOR value is "P".
54	B_COUNT	Count of microbes which may be present in collected sample	Numeric	5-15	N/A	Open field

Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
55	B_COUNT_UNITS	Unit of Measure for the B_COUN T field	Alpha- Numeric	9	N/A	Open field
56	B_COUNT_TYPE	Count of microbe type	Alpha- Numeric	10	N/A	Open field
57	B_LESS_THAN_INDICATOR	This field is not applicable	Alpha- Numeric	1	N/A	Open field
58	B_LESS_THAN_CODE	This field is not applicable	Alpha- Numeric	3	N/A	Open field
59	B_DETECTION_LEVEL	This field is not applicable	Numeric	9-15	N/A	Open field
60	B_DETECTION_LEVEL_UNIT_C ODE	This field is not applicable	Alpha- Numeric	9	N/A	Open field
61	B_CONCENTRATION	This field is not applicable	Numeric	9-15	N/A	Open field

62	B_CONCENTRATION_UNIT_CO DE	This field is not applicable	Alpha- Numeric	9	N/A	Open field
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Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
63	B_REPORTED_MEASURE	This field is not applicable	Alpha- Numeric	10	N/A	Open field
64	B_REPORTED_MEASURE_COUN T_ERROR	This field is not applicable	Numeric	3-8	N/A	Open field
65	B_RESULT_COMMENTS	Comments regarding sample analysis results	Alpha- Numeric	1000	Optional	Provides a place to record free text information about the result or inability to get a result.
66	S_FECAL_INDICATOR	Indication of fecal absence or presence in the collected sample	Alpha- Numeric	1	Conditionally Mandatory	This field should not be populated if the analyte code is "3100". Populate for Enterococci or Coliphage samples. A: Absent P: Present

67	S_ECOLI_INDICATOR	Indication of e coli absence or presence in the collected sample	Alpha- Numeric	1	Conditionally Mandatory	This field must be populated if B_DATA_QUALITY is "A" and B_MICROBE_PRESENCE_INDI CATOR is "A" and your lab is accredited to test for E Coli by TCR methods. A: Absent P: Present
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Seque nce #	Staging Table Column Header	Definition	Domain	Size(preci sion)	Optionality	Business Rules
68	L_RECEIVED_BY	Name of Lab associate who received the sample/sample result information	Alpha- Numeric	40	Optional	Lab informational only.
69	L_ENTERED_BY	Name of Lab associate who entered the sample/sample result information	Alpha- Numeric	40	Optional	Lab informational only.

70	B_DE	Date on which the sample/sample result information was entered	Alpha- Numeric	10	Optional	Must be in MM/DD/YYYY format.
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