

CT Study Checklist

A Concentration time (CT) study is an evaluation of the disinfection protocol, or process, used at a treatment plant. Every treatment plant that uses surface water or groundwater that has been designated to be under the direct influence of surface water (GUI) is required to have a CT study approval letter from the TCEQ. Additionally, a groundwater treatment plant can be required by an exception letter or Groundwater Rule corrective action to have a CT study approval letter from the TCEQ. The purpose of the CT study approval letter is to document that TCEQ has reviewed and approved a plant's CT study and its current disinfection process. Should changes be made to the CT study that affect the disinfection process, an updated CT study must be submitted. No changes should be made to the disinfection process without prior written approval. New submittals or changes to the disinfection process may be made by providing the following information for each treatment plant to PTRS@tceq.texas.gov.

The following information must accompany the CT study submittal:

- A cover page which includes:
 - The PWS number and treatment plant name and number.
 - A statement regarding why the CT study is being submitted.
 - The submitter's contact information.
 - A short paragraph describing the disinfection process of the plant in detail.

- A schematic clearly showing:
 - A simple diagram showing the disinfection process of the plant.
 - Disinfection injection points with the type of disinfectant being used.
 - Residual monitoring points.
 - Outline and label each Disinfection Zone.
 - The Drinking Water Watch (DWW) facility ID numbers for the facilities included in the CT study.

- A completed surface or ground water CT study template.

- For groundwater systems, if applicable, please include the TCEQ exception letter associated with the CT study in the submittal.

A PWS can find the necessary information to complete and submit a CT study at the following link:

https://www.tceq.texas.gov/drinkingwater/swmor/swmor/ct_info

For assistance in completing a CT Study submittal, you may call 512-239-4691 and ask to speak to a member of the Corrosion Control and Disinfection Protocol Team or email PTRS@tceq.texas.gov.