

Direct Potable Water Reuse Standard Operating Procedure

DJL
6/12/14

Wichita Falls, Texas

MonoChloramine residual below 1.0 mg/l at 2J WW-O7

This SOP supersedes any previous SOP on this topic. Effective on the date signed approved below

INTRODUCTION

This is the Standard Operating Procedures for responding to low MonoChloramine disinfection.

OBJECTIVE

The objective of this document is to maintain minimum disinfection levels in the transmitted water to Cypress WTP

In the event that the MonoChloramine residual entering the pumping to Cypress WTP is less than 1.0mg/L.

- The Cypress WTP will be notified immediately. The Chlorine residual and the duration of the low residual will be reported to the Cypress WTP plant.
- Cypress WTP will monitor the Chlorine residual at the receiving end of the pipe and make the determination of the need for a shutdown.

The River Road WWTP will make immediate adjustments to bring the MonoChloramine residual up to acceptable limits.

- This will include titrating by Amperometric titration for MonoChloramine.
- Testing for Available Ammonia before Chlorination.
- Ensuring the Ammonia level is adequate to meet MonoChloramine production.
- Adjusting the Chlorine feed rate to produce the appropriate amount of MonoChloramine.

★ River Road WWTP has added LAS feed at Chlorine Contact Basin, Update this SOP to reflect this.

Related SOP: RIVER ROAD SHUTDOWN COMMUNICATION PROTOCOL and Chlorine species titration and Standardize Chlorine Titration and QAQC Graphing DPR SOP

new SOP → and "Monochloramine Residual and LAS DPR SOP WW-017"

Prepared By: _____

Prepared Date: _____

Approved by: _____

Approved Date: _____

Reviewed by: _____

Reviewed Date: _____

Reviewed by: _____

Reviewed Date: _____

Reviewed by: _____

Reviewed Date: _____

MonoChloramine residual below 1.0 mg/l at 1J

~~*SOP's are to be reviewed and/or updated annually or any time this process has changed.~~

By signing you are stating you have received this SOP.

Insert approved language

Name

Signature

date

Signature

date
