

Direct Potable Water Reuse Standard Operating Procedure

Wichita Falls, Texas

Power Failure Procedure

This SOP supersedes any previous SOP on this topic.

INTRODUCTION

In the event of a power failure at the Cypress WTP, steps need to be taken to stop the flow of water from the RRWWTP and Secondary Reservoir as quickly as possible to avoid a potential overflow of water within the Cypress plant.

OBJECTIVE

To provide the steps to be taken in the event of a power failure at the Cypress WTP.

PROCEDURE

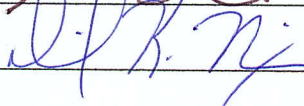
If the Cypress WTP experiences a power failure, shutting down the plant, the following steps need to be taken:

- The lead Operator needs to direct a second on-duty Operator to contact the RRWWTP immediately to shut off the discharge pump.
- The lead Operator shall then call the Maintenance on-call to shut off the raw water pump at the Secondary Reservoir (if it has not experienced a power failure and is still pumping).
- The Operations and Maintenance Supervisor should then be notified of the power failure (see Chain of Command SOP). It is the O&M Supervisor's responsibility to continue contact up the chain of command.
- The chlorine and ammonia valves in the main chemical building need to be checked and closed to avoid leaking with loss of vacuum.

When power is restored and SCADA is operational, the RRWWTP may be contacted to begin pumping water.

See Associated SOP:
Chain of Command SOP
Microfiltration Start-up SOP
RO Start-up SOP

Prepared by:  Date: 05/11/14

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*This SOP is considered effective on the date it is approved. SOP's are to be reviewed and/or updated annually or any time this process has changed.

Reviewed by: _____ Date: _____

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Sign below and date that you have received training on this SOP. By signing you are stating that you understand and will defer to this SOP when applicable.

Printed Name	Signature	Date	Printed Name	Signature	Date
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