

# Drought Contingency and For a Retail Public Water Supplier

Lake Livingston Water Supply Corporation  
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Livingston, Texas  
77351

CCN Number  
10147

Public Water Supply I. D. Numbers

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## Section 1

### Declaration of Policy, Purpose, and Intent

In cases of extreme drought, periods of abnormally high water usage, system contamination, or extended reduction in ability to supply water due to equipment failure, temporary restrictions may be instituted to limit nonessential water use. The purpose of the Drought Contingency and Water Conservation Plan is to encourage customer conservation in order to maintain supply, storage, or pressure or to comply with the requirements of a court, government agency or other authority.

## section 2

### Public Involvement

Opportunity for the public and retail/wholesale water customers to provide input into the preparation of the plan was provided by Lake Livingston Water Supply Corporation by means of Notes on Utility mail outs, Posted Public Notices for monthly Board of Directors meetings to accept input on the plan.

## Section 3

### Public Education

Lake Livingston Water Supply Corporation will periodically provide the public with information about the plan, including information about the conditions under which each stage of the plan is to be initiated or terminated and the drought response measures to be implemented in each stage. This information will be provided by means of providing a copy of the plan or periodically including information about the plan on customer monthly bills.

## Section 4

### Coordination with Regional Water Planning Groups

The Water service area of Lake Livingston Water Supply Corporation is located within the Region H and Region I Regional Water Planning Groups. Lake Livingston Water Supply and Sewer Service Corporation has provided a copy of the plan to the Region H and Region I Water Planning Groups.

## Section 5

### Notice Requirements

Notice will be provided to each customer prior to implementation or termination of each stage of the water restriction program. Notice is provided through automated system to the customers phone number of records. Notice must be given to each customer 72 hours prior to the start of water restriction. If notice is hand delivered, the utility cannot enforce the provisions of the plan for 24 hours after notice is provided. The notice to customers will contain the following information.

1. The date restrictions begin,
2. The circumstances that triggered the restrictions,
3. The stages of response and explanation of the restrictions to be implemented, and,
4. An explanation of the consequences for violations.

**The utility must notify the TCEQ by telephone at (512) 239-4691, or electronic mail at [watermon@tceq.state.tx.us](mailto:watermon@tceq.state.tx.us) prior to implementing Stage III and must notify in writing the Public Drinking Water Section at MC-155, P.O. Box 13087, Austin, Texas 78711-3087 within five (5) working days of implementation including a copy of the utility's restriction notice. The utility must file a status report of its restriction program with the TCEQ at the initiation and termination of mandatory water use restrictions. (i.e., Stages III and IV).**

## Section 6

### Violations

- 1 First Violation – The customer will be given a verbal warning for failure to comply.
- 2 Subsequent violations:  
After written notice, the utility may discontinue service at the meter for a period of seven (7) days, or to the end of the calendar month, whichever is **LESS**. The normal reconnect fee of the utility will apply for restoration of service.

## Section 7

### Exemptions or Variances

The Utility may grant any customer an exemption or variance from the drought contingency plan for good cause **upon written request**. A customer who is refused an exemption or variance may appeal such action of the utility in writing to the TCEQ. The utility will treat all customers equally concerning exemptions and variances, and shall not discriminate in granting exemptions and variances. No exemption or variance shall be retroactive or otherwise justify any violation of this plan occurring to the issuance of the variance.

## Section 8

### Response Stages

Unless there is an immediate and extreme reduction in water production, or other absolute necessity to declare an emergency or severe condition, the utility will initially declare Stage 1 restrictions. If, after a reasonable period, demand is not reduced enough to alleviate outages, reduce the risk of outages, or comply with restrictions required by court, government agency or other authority, Stage II may be implemented with Stage III to follow if necessary.



The Triggering Criteria described below are based on:

Triggering criteria are based on a statistical analysis of the vulnerability of the water source under drought record conditions.

## **STAGE 1 -- Triggers**

### **MILD Water Shortage Conditions**

#### **Requirements for initiation**

Lake Livingston Water Supply Corporation will recognize that a mild water shortage condition exists when Ground Storage tank levels drop below 75%, Well capacity reaches 70, Water system pressure drops 10%, or water availability drops to 70%.

#### **Requirements for Termination**

Stage 1 of the plan may be rescinded when all the conditions listed as triggering events have ceased to exist for a period of 3 consecutive days.

## **STAGE 2 -- Triggers**

### **MODERATE Water Shortage Conditions**

#### **Requirements for initiation**

Lake Livingston Water Supply Corporation will recognize that a moderate water shortage condition exists when Ground Storage Tank levels drop below 60%, Well capacity reaches 80%, Water system pressure drops below 20%, or water availability drops to 60%.

Stage 2 of the plan may be rescinded when all the conditions listed as triggering events have ceased to exist for a period of 3 consecutive days.

## **STAGE 3 -- Triggers**

### **SEVERE Water Shortage Conditions**

#### **Requirements for initiation**

Lake Livingston Water Supply Corporation will recognize that a Severe water shortage condition exist when Ground storage tank levels drop below 40%, Well Capacity reaches 85%, Water system pressure drops below 60%, or Water availability drops to 40%.

#### **Requirements for Termination**

Stage 3 of the plan may be rescinded when all the conditions listed as triggering events have ceased to exist for a period of 3 consecutive days. Upon termination of Stage 3, Stage 2 becomes operative.

## **STAGE 4 -- Triggers**

### **CRITICAL Water Shortage Conditions**

#### **Requirements for initiation**

Lake Livingston Water Supply Corporation will recognize that a Critical water shortage condition exist when Ground storage tank levels drop below 30%, Well capacity reaches 90%, Water system pressure drops 65%, Water availability drops to 30%.

#### **Requirements for Termination**

Stage 4 of the plan may be rescinded when all the conditions listed as triggering events have ceased to exist for a period of 3 consecutive days. Upon termination of Stage 4, Stage 3 becomes operative.

## **Drought Response Stages**

The Conservation Coordinator or his/her designee, shall monitor water supply and /or demand conditions and, in accordance with the triggering criteria, shall determine that mild, moderate, severe water shortage conditions exists and shall implement the following actions:

## Stage 1 Response – MILD Water Shortage Conditions

Target: Achieve a voluntary 10 % reduction in daily water demand.

Best Management Practices for Supply Management: The Conservation Coordinator, or his/her designee, will manage limited water supplies and reduce water demand, by interconnection with another water system where possible.

Water Use Restrictions for Reducing Demand:

- (a) The Conservation Coordinator, or his/her designee, Will contact retail water customers to discuss water supply and or demand conditions and will request that retail water customers initiate voluntary measures to reduce water use.
- (b) The Conservation Coordinator, or his/her designee, Will provide a weekly report to the news media with information regarding current water supply and demand conditions if drought conditions persist, and consumer information on water conservation measures and practices. Implement Stage 1 of the customer's Drought Contingency Plan.

## Stage 2 Response – MODERATE Water Shortage Conditions

Target: Achieve a voluntary 25 % reduction in daily water demand.

Best Management Practices for Supply Management: The General Manager, or his designee, will manage limited water supplies and reduce water demand, by interconnection with another water system where possible.



### Water Use Restrictions for Reducing Demand:

- (a) The Conservation Coordinator, or his/her designee, Will initiate weekly contact with wholesale water customers to discuss water supply and or demand conditions and the possibility of pro rata curtailment of water diversions and /or deliveries.
- (b) The Conservation Coordinator, or his/her designee, will request retail customers to initiate mandatory measures to
- (c) reduce non-essential water use. Implement Stage 2 of the customer's drought Contingency Plan.
- (d) The Conservation Coordinator, or his/her designee, will initiate preparations for the implementation of pro rata curtailment of water diversions and /or deliveries by preparing a monthly water usage allocation baseline for each retail customer according to the procedures specified in Section VI of the plan.
- (e) The Conservation Coordinator, or his/her designee, will provide a weekly report to the news media with information regarding current water supply and /or demand conditions, projected water supply and demand conditions if drought conditions persist, and consumer Information on water conservation measures and practices.

### Stage 3 Response – SEVERE Water Shortage Conditions

Target: Achieve a voluntary 40 % reduction in daily water demand.

Best Management Practices for Supply Management:

Describe additional measures, if any, to be Implemented directly by the Conservation Coordinator, or his/her designee, to manage limited supplies and/ or reduce water demand by interconnecting with another water system where possible.



## Water Use Restrictions for Reducing Demand:

- (a) The Conservation Coordinator, or his/her designee, Will contact retail water customers to discuss water supply and or demand conditions and will request that retail water customers initiate additional mandatory measures to reduce non-essential water use. Implement Stage 3 of the customer's drought Contingency Plan.
- (b) The Conservation Coordinator, or his/her designee, will initiate pro rata curtailment of water diversions and/ or deliveries for each retail customer according to the procedures specified in Section VI of the plan.
- (c) The Conservation Coordinator, or his/her designee, will provide a weekly report to the news media with information regarding current water supply and /or demand conditions, projected water supply and demand conditions if drought conditions persist, and consumer information on water conservation measures and practices.

## Stage 4 Response – EMERGENCY Water Shortage Conditions

Whenever emergency water shortage conditions exist as defined in Section VII of the plan, the General Manager shall:

1. Assess the severity of the problem and identify the actions needed and time required to solve the problem.
2. Inform the retail water customer by telephone or in person and suggest actions, as appropriate, to alleviate problems and notify the public to reduce water use until service is restored.
3. If appropriate, notify city, county, and/ or state emergency response officials for assistance.
4. Undertake necessary actions, including repairs and/or Cleanup as needed.

5. Prepare a post-event assessment report on the incident and critique of emergency response procedures and actions.

### Severability

It is hereby declared to be the intention of the Lake Livingston Water Supply Corporation Board of directors, that all sections, paragraphs, sentences, clauses, and phrases of this plan are severable and, if any phrase, clause, sentence, paragraph or section of this plan shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this plan, since the same would not have been enacted by the Lake Livingston Water Supply Corporation Board of directors, without the incorporation into this plan of any such unconstitutional phrase, clause, paragraph, or section,