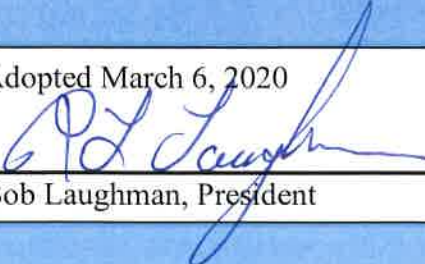


# AQUA TEXAS, INC

**Applies to all Public Water Systems Owned and  
Operated by Aqua Texas, Inc.**

*Developed to Meet Requirements  
Outlined in 30 TAC § 288.20 and § 288.22*

52A  
Adopted March 6, 2020

  
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Bob Laughman, President

# AQUA TEXAS, INC.

## USER DROUGHT CONTINGENCY PLAN (UDCP) All Public Water System Owned and Operated by Aqua Texas, Inc.

### **Introduction**

Aqua Texas, Inc. (Aqua Texas) has developed this User Drought Contingency Plan (UDCP) to enable it to manage its water systems and water resources during drought conditions, periods of abnormally high usage, system contamination, and extended reduction in ability to supply water due to equipment failure or other emergencies in a conscientious, fair, and appropriate manner. It is not designed to punish, stigmatize, or criticize anyone about their usage of water. Its sole intent is to maintain an adequate supply of water during the various stages of drought conditions or other water supply emergencies, which may occur from time to time and to enable Aqua Texas to comply with the requirements of a court, government agency, ground water district, wholesale provider or other authority.

Aqua Texas believes that significant reductions in water usage can be achieved through voluntary efforts by customers. Implementation of voluntary water conservation measures and conscientious water use practices are encouraged at all times; however, additional water use restrictions are required in cases of extreme drought, periods of abnormally high usage, system contamination, or extended reduction in ability to supply water due to equipment failure.

### **SECTION 1 Declaration of Policy, Purpose, and Intent**

Aqua Texas, in its continuing effort to maintain an adequate supply of high quality water, has prepared this User Drought Contingency Plan (UDCP or plan). In order to maintain supply, storage, and pressure or to comply with regulatory requirements, temporary restrictions may be necessary to limit non-essential water usage. This UDCP has been guided by TCEQ Requirements & Rules.

### **SECTION 2 Public Education**

Aqua Texas will periodically provide customers 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 water use restrictions to be implemented in each stage. Drought plan information will be provided by:

- utility bill inserts; or,
- other direct mail notices will be provided if necessary, to provide timely information.
- Additional information will be posted on the company website under “Alerts & Outages”

### **SECTION 3 Notice Requirements**

Written notice will be provided to each customer by mail or hand delivery prior to implementation or termination of each stage of the water restriction program. Notice will be mailed to each customer at least 72 hours prior to the start of new or modified water use restrictions. If notice is hand delivered, Aqua Texas will not enforce the provisions of the plan for 24 hours after notice is provided. The written notice to customers will contain the following information:

1. the date restrictions will 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 notice when it is necessary to move to Stage III or Stage IV will inform customers that violating the restrictions on sprinklers, automatic irrigations systems or use of other unauthorized irrigation may result in installation of a flow restrictor without a prior separate written notice.

Notification to the TCEQ by telephone at (512) 239-4691, or electronic mail at [PDWS@tceq.texas.gov](mailto:PDWS@tceq.texas.gov) 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. A status report of the restriction program is required to be filed with the TCEQ at the initiation and termination of mandatory water use restrictions (i.e., Stages III and IV).

#### **SECTION 4 Violations of Mandatory Restrictions: Stage I, Stage II or Stage III**

1. First violation:
  - Stage I or Stage II - The customer will be notified by written notice, hanging tag or letter, of their specific violation of required restrictions, reductions or for excessive usage. The customer will be provided a copy of the User Drought Contingency Plan.
  - Stage III or IV - Aqua Texas may install a flow restricting device as described below without a prior written notice for violation of restrictions on sprinklers, automatic irrigation systems or use of hoses.
2. Subsequent violations:
  - a. After the first written notice, Aqua Texas may install a flow-restricting device in the line to limit the amount of water that will pass through the meter in a 24-hour period. The flow restrictor may be left in the line for up to 60 days or until the wholesale provider or district requirements are ended. Aqua Texas may charge the customer for the actual cost of installing and removing the flow-restricting device, not to exceed \$50.00 for installation and \$50.00 for removal. The customer will be provided a copy of the User Drought Contingency Plan.
  - b. If the customer violates the required reductions/restrictions after installation of a flow restrictor, after written notice, Aqua Texas may discontinue service at the meter for up to 7 days, or until the end of the calendar month, whichever is less. The customer will be charged a \$50 reconnect fee for restoration of service. Further violations will result in disconnection and additional reconnect fees.

#### **SECTION 5 Exemptions or Variances**

Aqua Texas may grant any customer an exemption or variance from the UDCP for good cause **upon written request**. A customer who is refused an exemption or variance by Aqua Texas may appeal the denial in writing to the TCEQ. Aqua Texas will treat all customers equally concerning exemptions and variances and will not discriminate in granting exemptions and variances. No exemption or variance will be retroactive or otherwise justify any violation of this Plan occurring prior to the issuance of the variance.

#### **SECTION 6 Response Stages**

Unless there is an immediate and extreme reduction in an aquifer level; water availability or production; critical system capacity; or other absolute necessity to declare an emergency or severe condition, Aqua Texas will progress sequentially from Stage I through more restrictive stages. If, after a reasonable period of time, demand is not reduced enough to alleviate the conditions that initiated restrictions or to comply with restrictions required by a court, district, government agency, wholesale provider or other authority, some outdoor water use provisions in a particular Stage may be modified or further restricted or more restrictive Stages implemented as necessary to achieve the necessary reductions. In addition to restricted watering times, maximum monthly or weekly customer usage targets may be implemented and enforced in the same manner as the restrictions listed below. Notice of any modified restrictions or of a more stringent stage will be provided to customers in accordance with Section 3. **In order to comply with the requirements of an underground district, wholesale provider or other authority, Aqua Texas may skip a less restrictive stage and immediately implement a more restrictive stage.**

VOLUNTARY CONSERVATION AWARENESS (VOLUNTARY RESTRICTIONS) – See Section 9 below

STAGE I – MANDATORY WATER RESTRICTIONS – See Chart on Page 5

STAGE II – MANDATORY WATER RESTRICTIONS – See Chart on Page 5

STAGE III – MANDATORY WATER RESTRICTIONS - CRITICAL STAGE – See Chart on Page 5

STAGE IV – MANDATORY WATER RESTRICTIONS - SEVERE STAGE – See Chart on Page 5

**SECTION 7 Drought, Demand & Critical System Capacity Stage Triggers**

Water System Supply Contamination or Outage: In the event of system supply contamination or system outage, Aqua Texas may immediately implement the response measures of **Stage IV**. Notification to TCEQ shall be made immediately by calling (512) 239-4691, or electronic mail at *PDWS@tceq.texas.gov*. The appropriate regional office shall also be notified.

If any single demand based trigger condition is met for a given restriction stage, then most restrictive stage triggered will be evaluated for implementation.

Demand Based Triggers:

<u>Trigger</u>	<u>Stage I Mandatory</u>	<u>Stage II Mandatory</u>	<u>Stage III Mandatory</u>	<u>Stage IV Mandatory</u>
Percent of water treatment capacity reached for 3 or more days in a week	75 %	85 %	90 %	95 %
Total daily demand as % of pumping capacity for 3 or more days in a week	75 %	85 %	90 %	95 %
Storage capacity	Storage Tank Level drops within 4 ft. of low level lock out 3 or more days in a week.	Storage does not refill prior to 6 pm or tank drops within 3 ft. of low level lock out 3 or more days in a week.	Low level lock out is reached more than once in a week.	Low level lock out is reached more than twice in a week.
Well Pump Runs ___ hours per day more than 3 days per week	16 hrs	18 hrs.	20 hrs.	22 hrs.

Supply or water demand management measures including, but not limited to, pro rata curtailment of water deliveries to or diversions by wholesale water customers as provided in with Texas Water Code §11.039 may be implemented by the Director of Operations as authorized in Section 12 of this plan.

Supply Based Triggers - For those systems where Aqua Texas pumps water from a ground water district or purchases water from wholesalers, the district or wholesale supplier will formally notify Aqua Texas of one or more precipitating events triggering a stage of the district or wholesaler’s drought contingency plan. Upon enactment of a stage in the district, authority or wholesaler’s drought contingency plan, Aqua Texas will correspondingly implement the same or equivalent stage in its service area. Aqua Texas can modify its plan to match the watering schedules, daily watering hours or other specific restrictions of a wholesaler, district or other authority if asked to do so. Aqua Texas will notify customers of any changes in days, hours or other provisions

prior to enforcing provisions of the plan. When Aqua Texas must self regulate to comply with ground water permit limitations, water restrictions may be enacted to ensure compliance with permit limits.

Specific triggers for systems utilizing water managed by LCRA as a source are included in Appendix B of this plan. These triggers shall supersede any other criteria listed within this plan when the criterion within Appendix B initiates a more restrictive water conservation stage.

## **SECTION 8 Non Drought Related Conservation Awareness**

Aqua Texas will voluntarily perform the following actions during late Spring and Summer as an integral part of the UDCP when there is no declared drought or other water supply emergencies:

- Aqua Texas will operate its system under normal conditions.
- Aqua Texas will ensure that each operator has received a copy of the UDCP.
- Aqua Texas will encourage customers to follow water conservation practices at all times.
- Aqua Texas will urge customers to water lawns on the conservation awareness schedule, avoid unnecessary and excessive watering and to keep evaporative losses to a minimum.
- Aqua Texas will seek to identify and repair leaks in a timely fashion. Customers will be encouraged to notify Aqua Texas of any known or observed leaks.

## **SECTION 9 Water Conservation Awareness Period – Voluntary Restrictions**

### Goal – 5 % Reduction in usage

Aqua Texas will encourage customers to follow the voluntarily conservation awareness practices below between May and September when not already in a declared drought or mandatory water restriction period. **For systems utilizing water managed by LCRA as a source, the landscape irrigation restrictions in this section are required to be observed at all times.** Customers will be notified in writing each spring that Voluntary Restrictions are in place and encouraged to follow water conservation practices.

### Voluntary Practices to Reduce Water Consumption

- Follow the suggested twice weekly schedule for lawn watering as contained in Section 10 with hose end sprinklers or automatic irrigation systems and water between the following times:

Midnight to 10:00 a.m. & 8:00 p.m. to Midnight on the designated watering day.

- Water garden, trees, flowers or other landscaped areas with handheld hose, a faucet filled bucket or watering can any day between 6:00 p.m. – 10:00 a.m. but avoid unattended hoses.
- Soaker Hoses – Anywhere except lawns 8 p.m. – 10:00 a.m. any day
- Car washing with bucket or hand-held hose with automatic shut-off.
- Draw less water for bath or reduce shower time.
- Do not let water run while shaving, dish washing, brushing teeth, etc.
- Keep pools covered if not used on a daily basis.
- Use water displacement device in toilet tank.
- Install aerators on faucets.
- Utilize water reuse where possible.
- Replacement or retrofits with ultra low flow fixtures is encouraged.
- Do not use hose to wash off driveways, sidewalks, or streets. Use a broom or blower.
- Use Commercial Car Washes that Recycle Water.

**SECTION 10 MANDATORY WATER RESTRICTIONS**

<b><u>Stage I – Mandatory Restrictions</u></b>	<b><u>Stage II – Mandatory Restrictions</u></b>	<b><u>Stage III– Mandatory Restrictions Critical Stage</u></b>	<b><u>Stage IV– Mandatory Restrictions Severe Stage</u></b>
Goal - 10 % Reduction	Goal - 20 % Reduction	Goal - 30 % Reduction	Goal - ≥40 % Reduction
If the triggers identified in the UDCP are met or critical system capacities are being threatened, Aqua Texas will activate <b>Stage I</b> . Comply with <b>TWICE WEEKLY</b> lawn watering schedule: <b>DESIGNATED DAYS &amp; HOURS ONLY</b>	Whenever production or critical system capacity triggers are reached, Aqua Texas will activate <b>Stage II</b> measures of its UDCP. Comply with <b>TWICE WEEKLY</b> lawn watering schedule: <b>DESIGNATED DAYS &amp; HOURS ONLY</b>	Whenever system failures are a concern or the possibility of outages exists, <i>Aqua Texas</i> will activate the <b>Stage III</b> measures of its UDCP. Comply with <b>ONCE WEEKLY</b> lawn watering schedule: <b>DESIGNATED DAYS &amp; HOURS ONLY</b>	Whenever system failures are imminent or there are outages, <i>Aqua Texas</i> will activate the <b>Stage IV</b> measures of its UDCP. <b>LAWN WATERING PROHIBITED</b>
<p><b><u>Actions required of Customers</u></b></p> <ul style="list-style-type: none"> <li>Continued water conservation practices and voluntary reductions in water use in general. Mandatory compliance with “Required Reductions” listed below.</li> </ul> <p><b><u>Actions initiated by Aqua Texas</u></b></p> <ul style="list-style-type: none"> <li>Flushing is limited to dead end mains and then only to maintain water quality.</li> <li>Check for and promptly fix leaks.</li> </ul> <p><b><u>Required Customer Restrictions</u></b></p> <ul style="list-style-type: none"> <li>Automatic Irrigation Systems WATERING SCHEDULES <b>Midnight to 10 a.m. &amp; 8:00 p.m. to Midnight</b></li> <li>Hose End Sprinkler– <u>Same as above</u></li> <li>Handheld Hose, faucet filled bucket or watering can - Watering landscape areas allowed <u>ANY DAY at designated hours</u>. No unattended hoses. <b>Midnight to 10:00 a.m. 7:00 p.m. to Midnight</b></li> <li>Soaker Hoses – Landscaped areas, <u>ANY DAY</u> from: <b>Midnight to 10:00 a.m. 8:00 p.m. to Midnight</b></li> <li>Car washing - bucket or hand-held hose with automatic shut-off; 1 time every other week or use a commercial car wash.</li> <li>No washing of driveways, sidewalks, or streets.</li> <li>No new filling or refilling of pools but topping off of existing pools allowed.</li> </ul>	<p><b><u>Actions required of Customers</u></b></p> <ul style="list-style-type: none"> <li>Continued water conservation practices and voluntary reductions in water use in general. Mandatory compliance with “Required Reductions” listed below.</li> </ul> <p><b><u>Actions initiated by Aqua Texas</u></b></p> <ul style="list-style-type: none"> <li>Flushing is limited to dead end mains and then only to maintain water quality.</li> <li>Check for and fix leaks promptly.</li> </ul> <p><b><u>Required Customer Restrictions</u></b></p> <ul style="list-style-type: none"> <li>Automatic Irrigation System WATERING SCHEDULES <b>Midnight to 4:00 a.m. 8:00 p.m. to Midnight</b></li> <li>Hose End Sprinkler – <b>Midnight to 9:00 a.m. 7:00 p.m. to Midnight</b></li> <li>Handheld Hose, faucet filled bucket or watering can - Watering landscape areas allowed <u>ANY DAY at designated hours</u>. No unattended hoses. <b>7:00 a.m. to 10:00 a.m. 7:00 p.m. to 10:00 p.m.</b></li> <li>Soaker Hoses – Landscaped areas, <u>no lawns, ANY DAY</u> from: <b>Midnight to 10:00 a.m. 8:00 p.m. to Midnight</b></li> <li>No washing of <u>cars</u>, driveways, sidewalks, or streets.</li> <li>No new filling or refilling of pools but topping off of existing pools allowed on designated days.</li> </ul>	<p><b><u>Actions required of Customers</u></b></p> <ul style="list-style-type: none"> <li>Continued water conservation practices and voluntary reductions in water use in general. Mandatory compliance with “Required Reductions” listed below.</li> </ul> <p><b><u>Actions initiated by Aqua Texas</u></b></p> <ul style="list-style-type: none"> <li>Flushing is limited to dead end mains and then only to maintain water quality.</li> <li>Check for and fix leaks promptly.</li> </ul> <p><b><u>Required Customer Restrictions</u></b></p> <ul style="list-style-type: none"> <li>Automatic Irrigation System WATERING SCHEDULES <b>Midnight to 4:00 a.m. 8:00 p.m. to Midnight</b></li> <li>Hose End Sprinkler – <b>Midnight to 9:00 a.m. 7:00 p.m. to Midnight</b></li> <li>Handheld , faucet filled bucket or watering can - Landscaped areas, pot plants &amp; Lawns – <b>ONLY DESIGNATED DAYS</b> No unattended hoses. <b>7:00 a.m. to 9:00 a.m. 7:00 p.m. to 9:00 p.m.</b></li> <li>Soaker Hoses – <b>FOUNDATIONS ONLY DESIGNATED DAYS 6:00 a.m. to 9:00 a.m. 7:00 p.m. to 10:00 p.m.</b></li> <li>No washing of cars, drives, streets, sidewalks.</li> <li>No new filling or refilling but topping off of existing pools allowed on designated days.</li> </ul>	<p><b><u>Actions required of Customers</u></b></p> <ul style="list-style-type: none"> <li>Continued water conservation practices and voluntary reductions in water use in general. Mandatory compliance with “Required Reductions” listed below.</li> </ul> <p><b><u>Actions initiated by Aqua Texas</u></b></p> <ul style="list-style-type: none"> <li>Flushing is limited to dead end mains and then only to maintain water quality.</li> <li>Check for and fix leaks promptly.</li> </ul> <p><b><u>Required Customer Restrictions</u></b></p> <ul style="list-style-type: none"> <li>Automatic Irrigation System <b>Prohibited at all times!</b></li> <li>Hose End Sprinklers- <b>Prohibited at all times!</b></li> <li>Handheld Hose – <b>Prohibited at all times!</b></li> <li>Watering Can - Landscaped areas &amp; pot plants – <b>ONLY DESIGNATED DAY 7:00 a.m. to 9:00 a.m. 7:00 p.m. to 9:00 p.m.</b></li> <li>Soaker Hoses – <b>FOUNDATIONS ONLY DESIGNATED DAY 6:00 a.m. to 9:00 a.m. 7:00 p.m. to 10:00 p.m.</b></li> <li>No washing of cars, drives, streets, sidewalks.</li> <li>No new filling, refilling, or topping off of pools.</li> <li>No non-essential use, i.e., decorative fountains.</li> <li>Newly planted trees or shrubs ANY DAY: soaker bag or watering can.</li> </ul>

<b><u>Stage I – Mandatory Restrictions</u></b>	<b><u>Stage II – Mandatory Restrictions</u></b>	<b><u>Stage III– Mandatory Restrictions Critical Stage</u></b>	<b><u>Stage IV– Mandatory Restrictions Severe Stage</u></b>
<b><u>Customer Consumption Limit:</u></b> Aqua Texas can establish a monthly customer consumption limit if necessary, to ensure meeting required reduction.	<b><u>Customer Consumption Limit:</u></b> Aqua Texas can establish a monthly customer consumption limit if necessary, to ensure meeting required reduction.	<b><u>Customer Consumption Limit:</u></b> Aqua Texas can establish a monthly customer consumption limit if necessary, to ensure meeting required reduction.	<b><u>Customer Consumption Limit:</u></b> Aqua Texas can establish a monthly customer consumption limit if necessary, to ensure meeting required reduction.
<b><u>Penalties or Consequences</u></b> <ul style="list-style-type: none"> <li>• Warnings for excessive consumption.</li> <li>• Installation of flow restrictors for <u>2nd violation</u> of Stage I Restrictions.</li> <li>• Service cutoff &amp; reconnection fee for <u>3rd violation</u> of Stage I Restrictions</li> </ul>	<b><u>Penalties or Consequences</u></b> <ul style="list-style-type: none"> <li>• Warnings for excessive consumption.</li> <li>• Installation of flow restrictors for <u>2nd violation</u> of Stage II Restrictions.</li> <li>• Service cutoff &amp; reconnection fee for <u>3rd violation</u> of Stage II Restrictions</li> </ul>	<b><u>Penalties or Consequences</u></b> <ul style="list-style-type: none"> <li>• Installation of flow restrictors for <u>1st violation</u> of Stage III Restrictions.</li> <li>• Service cutoff &amp; reconnection fee for <u>2nd violation</u> of Stage III Restrictions</li> </ul>	<b><u>Penalties or Consequences</u></b> <ul style="list-style-type: none"> <li>• Installation of flow restrictors for <u>1st violation</u> of Stage IV Restrictions.</li> <li>• Service cutoff &amp; reconnection fee for <u>2nd violation</u> of Stage IV Restrictions.</li> </ul>

## **TWICE WEEKLY WATERING SCHEDULE**

(Applicable During Conservation Awareness or Stages I or II)

<b>House No. Ends In 2 or 9</b>	<b>House No. Ends In 1 or 5</b>	<b>House No. Ends In 6 or 7</b>	<b>House No. Ends In 0 or 3</b>	<b>House No. Ends In 4 or 8</b>
Monday Thursday	Tuesday Friday	Wednesday Saturday	Thursday Sunday	Friday Monday

## **ONCE WEEKLY WATERING SCHEDULE**

(Applicable During Stage III– Mandatory Restrictions)

<b>House No. Ends In 2 or 9</b>	<b>House No. Ends In 1 or 5</b>	<b>House No. Ends In 6 or 7</b>	<b>House No. Ends In 0 or 3</b>	<b>House No. Ends In 4 or 8</b>
Monday	Tuesday	Wednesday	Thursday	Friday

The above watering schedules may be modified from time to time based on the affected area and the numbering of addresses. This is done to more evenly distribute the number of connections permitted to water on a given day providing better control of peaking demands. This is most commonly necessary in small water systems. Other variations may be used including but not limited to named areas, street names, utilization of a different digit within the house number, etc.

### **SECTION 11 Criteria for Termination of Restrictions**

The termination, lifting, or partial lifting of a restriction level will be evaluated on a case by case basis. Any reduction in restriction level will occur only when in the opinion of the Director of Operations, the Operations Area Manager or their designee determines conditions warrant such a change. Customers will be informed of any such change as soon as possible in a manner consistent with Section 2 of this plan.

### **SECTION 12 Wholesale Contract Provisions**

New wholesale contracts shall include standard language requiring the customer adhere to the Aqua Texas’s mandatory drought reduction goals. Aqua Texas will include a provision in every wholesale water contract

entered into or renewed after adoption of the plan, in case of shortage of water resulting from drought, the water to be distribution shall be divided in accordance with Texas Water Code §11.039.

In the event that pro rata curtailment is deemed necessary, the Director of Operations or his designee is hereby authorized to initiate allocations of water supplies in accordance with Texas Water Code §11.039.

Enforcement actions for non-compliance with either pro rata water reductions by wholesale customers will vary according to the specifics of each wholesale customer's contract.

### **SECTION 13 Coordination with Regional Planning Groups (RPG)**

Aqua Texas, Inc. has provided a copy of this Plan to all RPGs in which it owns and operates public water systems. A copy of the transmittal letter to the planning group is provided in Appendix A.

### **SECTION 14 TCEQ Notification**

Aqua Texas shall notify the executive director of the Texas Commission on Environmental Quality within five (5) business days of the implementation of any mandatory provisions of the Drought Contingency Plan.

### **SECTION 15 Public Participation**

Aqua Texas has met with homeowners' associations at several water systems in the past susceptible to drought to discuss specific drought restrictions and the plan in general. Aqua Texas will continue to meet with homeowner groups and other customer associations on request to further provide opportunity for customer input. Aqua Texas shall make the plan available to any customer upon request and share its content in education materials prepared as part of but not limited to the educational activities outlined in Section 2 of this plan.

### **SECTION 16 Plan Review and Updates**

This Plan was developed to meet the requirements in 30 TAC § 288.20 and § 288.22 to submit a Drought Contingency Plan and provide the community and water customers with essential drought contingency response information, regulations, and services. The Plan will be reviewed at minimum every five (5) years and updated as needed based on major developments in Aqua Texas's water service areas. The next scheduled plan review and update will occur in 2025.



Appendix A

RPG Notification Cover Letter

Sent to Regions: B, C, D, F, G, H, I, J, K, L, M, N & P



March 6, 2020

Regional Water Planning Group Chair:

The enclosed Drought Contingency Plan, which updates the previously adopted 2015 Drought Contingency Plan, was developed by the Aqua Texas to fulfill Texas Commission on Environmental Quality (TCEQ) requirements for retail and wholesale water providers as outlined in Texas Administrative Code Title 30, Chapter 288. It is being forwarded to TCEQ.

If you have any questions on the enclosed plan please contact me at 512-990-4400 x56101.

Sincerely,

A handwritten signature in blue ink, appearing to read "Scot W. Foltz". The signature is stylized and fluid.

Scot W. Foltz  
Aqua Texas Water  
Environmental Compliance Manager

Appendix B

LCRA Drought Level Triggers Addendum

*To be used for any system utilizing water from a source under the authority of LCRA.*

## Initiation and Termination of Response Stages

Aqua Texas Area shall monitor water supply and demand conditions on a regular basis and shall determine when conditions warrant initiation and termination of each stage of this Plan in accordance with LCRA's Water Management Plan. Water supply conditions will be determined by the source of supply, system capacity, and weather conditions. Water demand will be measured by the peak daily demands on the system.

Public notification of the initiation or termination of drought response stages shall be by a variety of ways, examples include direct mail, e-mail and automated telephone calls, signs posted at entry points to the service area or a combination of these methods.

The following triggering criteria shall apply to Aqua Texas system(s) and customer service area utilizing water under the authority of LCRA:

### ***7.1 Triggering Criteria for Initiation and Termination of Drought Response Stages***

#### **1. STAGE 1 - Mild Water Shortage Conditions**

- A. **Requirements for initiation** - Customers shall be required to adhere to the Stage 1 Drought Response Measures when one or a combination of such triggering criteria occurs:
1. Treatment Capacity:
    - For surface water plants when total daily water demand equals or exceeds 75 percent of the total operating system treatment capacity for three consecutive days, or 85 percent on a single day; or
  2. Water Supply:
    - Combined storage of Lakes Travis and Buchanan reaches 1.4 million acre-feet in accordance with the LCRA Drought Contingency Plan for Firm Water Customers (DCP).
- B. **Requirements for termination** - Stage 1 of the plan may be rescinded when:
1. Treatment Capacity:
    - The water treatment plant capacity condition listed above as a triggering event for Stage 1 has ceased to exist for five consecutive days; or
  2. Water Supply:
    - LCRA announces that voluntary restrictions by its firm raw water customers are no longer needed in accordance with the LCRA DCP.

## 2. STAGE 2 - Moderate Water Shortage Conditions (Mandatory Measures)

A. **Requirements for initiation** - Customers shall be required to adhere to the Stage 2 Drought Response Measures when one or a combination of such triggering criteria occurs:

1. Treatment Capacity:

- For surface water systems, when total daily water demand equals or exceeds 85 percent of the total operating system treatment capacity for three consecutive days, or 95 percent on a single day; or

2. Water Supply:

- Combined storage of Lakes Travis and Buchanan reaches 900,000 acre-feet in accordance with the LCRA DCP.

B. **Requirements for termination** - Stage 2 of the Plan may be rescinded when:

1. Treatment Capacity:

- The water treatment plant capacity condition listed above as a triggering event for Stage 2 has ceased to exist for five consecutive days.

2. Water Supply:

- LCRA announces that voluntary compliance to implement a utility's mandatory water restrictions are no longer needed in accordance with the LCRA DCP.

*Upon termination of Stage 2, Stage 1 becomes operative.*

## 3. STAGE 3 - Severe Water Shortage Conditions (Mandatory Measures)

A. **Requirements for initiation** - Customers shall be required to adhere to the Stage 3 Drought Response Measures when one or a combination of such triggering criteria occurs:

1. Treatment Capacity:

- For surface water systems, when total daily water demand equals or exceeds 90 percent of the total operating system treatment capacity for three consecutive days, or 97 percent on a single day.

2. Water Supply:

- Combined storage of Lakes Travis and Buchanan reaches 750,000 acre-feet, in accordance with the LCRA DCP, **or**
- The LCRA Board declares a drought worse than the Drought of Record or other water supply emergency and orders the mandatory curtailment of firm water supplies.

B. **Requirements for termination** - Stage 3 of the Plan may be rescinded when:

1. Treatment Capacity:

- The water treatment plant capacity condition listed above as a triggering event for Stage 3 has ceased to exist for five consecutive days.

2. Water Supply:

- LCRA announces that mandatory water restrictions for firm water customers are no longer required in accordance with the LCRA DCP.

*Upon termination of Stage 3, Stage 2 becomes operative.*

**4. STAGE 4- Critical Water Conditions**

**A. Requirements for initiation** - Customers shall be required to adhere to the Stage 4 Drought Response Measures when one or a combination of such triggering criteria occurs:

1. Treatment Capacity:

- For surface water systems, when total daily water demand equals or exceeds 95 percent of the total operating system treatment capacity for three consecutive days, or 97 percent on a single day.

2. Water Supply:

- Combined storage of Lakes Travis and Buchanan reaches 600,000 acre-feet, in accordance with the LCRA DCP, **or**
- The LCRA Board declares a prolonged drought worse than the Drought of Record or other water supply emergency and orders the mandatory curtailment of firm water supplies at a level more severe than in Stage 3.

**B. Requirements for termination** - Stage 4 of the Plan may be rescinded when:

1. Treatment Capacity:

- The water treatment plant capacity condition listed above as a triggering event for Stage 4 has ceased to exist for five consecutive days; or

2. Water Supply:

- LCRA announces that mandatory water restrictions for firm water customers are no longer required in accordance with the LCRA DCP.

*Upon termination of Stage 4, Stage 3 becomes operative.*

**5. Emergency Water Conditions**

**A. Requirements for initiation** - Customers shall be required to adhere to the Stage 5 Drought Response Measures when one or a combination of such triggering criteria occurs:

1. Treatment Capacity:

- Major water line breaks, loss of distribution pressure, or pump system failures that cause substantial loss in its ability to provide water service.

2. Water Supply:

- Natural or man-made contamination of the water supply source; or
- Any other emergency water supply or demand conditions that the LCRA general manager or the LCRA Board determines that either constitutes a water supply emergency or is associated with a prolonged drought worse than

the Drought of Record requiring the mandatory curtailment of firm water supplies at a level more severe than in Stage 4.

**B. Requirements for termination** – Emergency Water Conditions may be rescinded when:

1. Treatment Capacity:

- The water treatment plant capacity condition listed above as a triggering event has ceased to exist for five consecutive days; or

2. Water Supply:

- LCRA announces that mandatory water restrictions for firm water customers are no longer required in accordance with the LCRA DCP.

*Upon termination of Stage 5, Stage 4 becomes operative.*