

Drought Contingency Plan

for

*Updated
2-13
3-19*

Crooked Creek Water Supply Corporation



9-6-2000

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**DROUGHT CONTINGENCY PLAN
FOR THE
CROOKED CREEK WATER SUPPLY CORPORATION**

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List of Exhibits

- 1 TNRCC Regulatory Guidance: Drought Reference Manual
& Drought Contingency Program Annual Report Guide
- 2 TNRCC Sanitary Survey Information
- 3 Resolution for Adoption of a Drought Contingency Plan
- 4 Sample Customer Notification Form
- 5 Distribution System Map
- 6 Regional Water Planning Groups

**DROUGHT CONTINGENCY PLAN
FOR THE
CROOKED CREEK WATER SUPPLY CORPORATION
September 1, 2000**

Section I: Declaration of Policy, Purpose, and Intent

In order to conserve the available water supply and protect the integrity of water supply facilities, with particular regard for domestic water use, sanitation, and fire protection, and to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, the Crooked Creek Water Supply Corporation (Crooked Creek WSC) hereby adopts the following regulations and restrictions on the delivery and consumption of water.

Water uses regulated or prohibited under this Drought Contingency Plan (the Plan) are considered to be non-essential and continuation of such uses during times of water shortage or other emergency water supply condition are deemed to constitute a waste of water which subjects the offender(s) to penalties as defined in Section XI of this Plan.

Section II: Public Involvement

Opportunity for the public to provide input into the preparation of the Plan was provided by the Crooked Creek WSC by means of scheduling and providing public notice of a public meeting to accept input on the Plan.

Section III: Public Education

The Crooked Creek WSC 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 utility bill inserts or press releases.

Section IV: Coordination with Regional Water Planning Groups

The service area of the Crooked Creek WSC is located within the North East Texas Regional Water Planning Group and Crooked Creek WSC has provided a copy of this Plan to the North East Texas Regional Water Planning Group.

Section V: Authorization

The General Manager, or his/her designee is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that such implementation is necessary to protect public health, safety, and welfare. The General Manager, or his/her designee, shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

Section VI: Application

The provisions of this Plan shall apply to all persons, customers, and property utilizing water provided by the Crooked Creek WSC. The terms "person" and "customer" as used in the Plan include individuals, corporations, partnerships, associations, and all other legal entities.

Section VII: Definitions

For the purposes of this Plan, the following definitions shall apply:

Aesthetic water use: water use for ornamental or decorative purposes such as fountains, reflecting pools, and water gardens.

Commercial and institutional water use: water use which is integral to the operations of commercial and non-profit establishments and governmental entities such as retail establishments, hotels and motels, restaurants, and office buildings.

Conservation: those practices, techniques, and technologies that reduce the consumption of water, reduce the loss or waste of water, improve the efficiency in the use of water or increase the recycling and reuse of water so that a supply is conserved and made available for future or alternative uses.

Customer: any person, company, or organization using water supplied by Crooked Creek WSC.

Domestic water use: water use for personal needs or for household or sanitary purposes such as drinking, bathing, heating, cooking, sanitation, or for cleaning a residence, business, industry, or institution.

Even number address: street addresses, box numbers, or rural postal route numbers ending in 0, 2, 4, 6, or 8 and locations without addresses.

Industrial water use: the use of water in processes designed to convert materials of lower value into forms having greater usability and value.

Landscape irrigation use: water used for the irrigation and maintenance of landscaped areas, whether publicly or privately owned, including residential and commercial lawns, gardens, golf courses, parks, and rights-of-way and medians.

Non-essential water use: water uses that are not essential nor required for the protection of public, health, safety, and welfare, including:

- (a) irrigation of landscape areas, including parks, athletic fields, and golf courses, except otherwise provided under this Plan;
- (b) use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle;
- (c) use of water to wash down any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
- (d) use of water to wash down buildings or structures for purposes other than immediate fire protection;
- (e) flushing gutters or permitting water to run or accumulate in any gutter or street;
- (f) use of water to fill, refill, or add to any indoor or outdoor swimming pools or jacuzzi-type pools;
- (g) use of water in a fountain or pond for aesthetic or scenic purposes except where necessary to support aquatic life;
- (h) failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s); and
- (i) use of water from hydrants for construction purposes or any other purposes other than fire fighting.

Odd numbered address: street addresses, box numbers, or rural postal route numbers ending in 1, 3, 5, 7, or 9.

Section VIII: Criteria for Initiation and Termination of Drought Response Stages

The General Manager or his/her designee shall monitor water supply and/or demand conditions on a daily basis and shall determine when conditions warrant initiation or termination of each stage of the Plan, that is, when the specified "triggers" are reached.

The triggering criteria described below are based on knowledge of system capacity limits. (See Exhibit No. 2 - Sanitary Survey).

- a. **Stage I – Mild Condition:** Stage I water allocation measures may be implemented when one or more of the following conditions exist:
 - 1) Water consumption has reached 85 percent of daily maximum supply for three (3) consecutive days.
 - 2) There is an extended period (at least eight (8) weeks) of low rainfall and daily use has risen 20 percent above the use for the same period during the previous year.

- b. **Stage II – Moderate Conditions:** Stage II water allocation measures may be implemented when one of the following conditions exist:
 - 1) Water consumption has reached 90 percent of the amount available for three consecutive days.
 - 2) The water level in any of the water storage tanks cannot be replenished for three (3) consecutive days.
- c. **Stage III – Severe Conditions:** Stage III water allocation measures may be implemented when one of the following five conditions exist:
 - 1) Failure of a major component of the system or an event which reduces the minimum residual pressure in the system below 20 psi for a period of 24 hours or longer.
 - 2) Water consumption of 95 percent or more of the maximum available for three (3) consecutive days.
 - 3) Water levels in ground storage tanks fall below 1/4 full for 3 consecutive days.
 - 4) Natural or man-made contamination of the water supply source(s).
 - 5) The declaration of a state of disaster due to drought conditions in a county or counties served by the Corporation.
 - 6) Reduction of wholesale water supply due to drought conditions.
 - 7) Other unforeseen events which could cause imminent health or safety risks to the public.

Section IX: Stage Levels of Water Allocations

The stage levels of water allocations are to be placed in effect by the triggers in Section VIII. The System shall institute monitoring and enforce penalties for violations of the Drought Plan for each of the Stages listed below. The water allocation measures are summarized below.

- a. **Stage I – Mild Conditions**
 - 1) Alternate day, time of day, or duration restrictions for outside water usage allowed. (System will notify Customers which restriction is in effect.)
 - 2) The system will reduce flushing operations.
 - 3) Reduction of customers' water use will be encouraged through notices on bills or other method.
- b. **Stage II – Moderate Conditions**
 - 1) All outside water use is prohibited (except for livestock variances).
 - 2) Make public service announcements as conditions change via local media (TV, radio, newspapers, etc.).
- c. **Stage III – Severe Conditions**
 - 1) All outside watering prohibited.

- 2) Water use will be restricted to a percentage of each member's prior month usage. This percentage may be adjusted as needed according to demand on the system. Notice of this amount will be sent to each customer.
- 3) Corporation shall continue enforcement and educational efforts.

NOTE:

- Refer to your water purchase contract for additional restrictions / requirements that may be imposed by stipulations from the wholesale supplier.
- There may be additional restrictions imposed by Governmental Entities.
- Meters will be read as often as necessary to insure compliance with this program for the benefit of all the customers.

Section X: Initiation and Termination Procedures

Once a trigger condition occurs, the Corporation, or its designated responsible representative, shall, based on recommendation from the General Manager, decide if the appropriate stage of rationing shall be initiated. The initiation may be delayed if there is a reasonable possibility the water system performance will not be compromised by the condition. If water allocation is to be instituted, written notice to the customers shall be given.

Written notice of the proposed water allocation measure shall be mailed or delivered to each affected customer upon the initiation of each stage. In addition, upon adoption of Stage II or Stage III, a notice will be placed in a local newspaper or announced on a local radio or television station. The customer notice shall contain the following information:

- a. The date water allocation shall begin,
- b. The expected duration,
- c. The stage (level) of water allocations to be employed,
- d. Penalty for violations of the water allocation program, and
- e. Affected area or areas.

A sample Customer Notice (See Exhibit No. 4) of water allocation conditions is included in Miscellaneous Transaction Forms of this tariff.

If the water allocation program extends 30 days then the General Manager shall present the reasons for the allocations at the next scheduled Board Meeting and shall request the concurrence of the Board to extend the allocation period.

When the trigger condition no longer exists then the responsible General Manager may terminate the water allocations provided that such an action is based on sound judgment. Written notice of the end of allocations shall be given to customers. A water allocation period may not exceed 60 days without extension by action of the Board.

Section XI: Penalties for Violations

- a. **First Violation** – The customer/member will be notified by a written notice of their specific violation.
- b. **Second Violation** – The Corporation may install a flow restricting device in the customer's service line to limit the amount of water that will pass through the meter in a 24 hour period. The cost of this shall be the actual cost to do the work and shall be paid by the customer.
- c. **Subsequent Violations** – The Corporation may terminate service for up to 7 days and charge for the service call to restore service.

These provisions apply to all customers of the Corporation.

Section XII: Exemptions or Waivers

The Crooked Creek WSC may, in writing, grant temporary variance for existing water uses otherwise prohibited under this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the health or sanitation for the public or the person requesting such variance and if one or more of the following conditions are met:

- a. Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.
- b. Alternative methods can be implemented which will achieve the same level of reduction in water use.

Persons requesting an exemption from the provisions of this Ordinance shall file a petition for variance with the Crooked Creek WSC within 5 days after the Plan or a particular drought response stage has been invoked or after a condition justifying the variance first occurs. All petitions for variances shall be reviewed by the General Manager and shall include the following:

- Name and address of the petitioner(s).
- Purpose of water use.
- Specific provision(s) of the Plan from which the petitioner is requesting relief.
- Detailed statement as to how the specific provision of the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Plan.
- Description of the relief requested.
- Period of time for which the variance is sought.
- Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.
- Other pertinent information, as requested by the Committee.

Variances granted by the Crooked Creek WSC shall be subject to the following conditions, **unless** specifically waived or modified by the General Manager:

- Variances granted shall include a timetable for compliance.
- Variances granted shall expire when the water allocation is no longer in effect, unless the petitioner has failed to meet specified requirements. No variance allowed for a condition requiring water allocation will continue beyond the termination of water allocation under Section IX. Any variance for a subsequent water allocation must be petitioned again. The fact that a variance has been granted in response to a petition will have no relevance to the Committee's decision on any subsequent petition.

No variance shall be retroactive or otherwise justify any violation of this Plan occurring prior to the issuance of the variance.

Section XIII: Implementation

The Crooked Creek WSC Board establishes a Drought/Emergency Management Committee by Resolution, the General Manager which will be the responsible representative to make Drought and Emergency Water Management actions. The General Manager will review the procedures in this plan annually or more frequently. Modifications may be required to accommodate system growth, changes in water use demand, available water supply and/or other circumstances.

This Plan was adopted by the Crooked Creek WSC Board at a properly noticed meeting held on _____.