

City of Brenham

Drought Contingency Plan



September 1999
Revised July 2001
Revised September 2005
Revised April 2011
Revised July 2014
Reviewed May 2019
Revised June 2024

Prepared by:
Pledger Kalkomey, Consulting Engineer
1500 S. Day
Brenham, Texas 77833

September 2005 revisions by:
O'Malley Engineers
203 S. Jackson
P.O. Box 1976
Brenham, Texas 77834-1976

April 2011 revisions by:
City of Brenham
200 W. Vulcan
P.O. Box 1059
Brenham, Texas 77834-1059

July 2014 revisions by:
City of Brenham
200 W. Vulcan
Brenham, Texas 77834-1059

May 2019 review by:
City of Brenham
200 W. Vulcan
Brenham, Texas 77834-1059

June 2024 revisions by:
City of Brenham
200 W. Vulcan
P.O. Box 1059
Brenham, Texas 77834-1059

CITY OF BRENHAM DROUGHT CONTINGENCY PLAN

September 1999, Revised July 2001, Revised August 2005, Revised April 2011, Reviewed April 2014,
Revised July 2014, Reviewed May 2019, Revised June 2024

I. INTRODUCTION

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 City of Brenham (the City) 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 X of this plan.

II. PUBLIC INVOLVEMENT

Opportunity for the public to provide input into the preparation of the Plan was provided by the City by means of providing public notice in a newspaper of general circulation and public hearing to accept input on the Plan.

The City 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.

III. NOTIFICATION

Public notification of the initiation or termination of drought response stages shall be by publication in a newspaper of general circulation, utility bill inserts, public service announcements, signs posted in public places, or other means as determined by the City.

When mandatory restrictions are enacted (Stages 2-6), the City shall notify the TCEQ directly.

IV. COORDINATION WITH REGIONAL WATER PLANNING GROUPS

The service area of the City is located within the Region G Water Planning Group and the City has provided a copy of this Plan to the Region G Water Planning Group.

V. AUTHORIZATION

The Mayor, 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 Mayor, 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.

VI. APPLICATION

The provisions of this Plan shall apply to all persons, customers, and property utilizing water provided by the City. The terms “person” and “customer” as used in the Plan include individuals, corporations, partnerships, associates, and all other legal entities.

VII. DEFINITIONS

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

- A. Aesthetic water use: water used for ornamental or decorative purposes such as fountains, reflecting pools, and water gardens.
- B. 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.
- C. 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.
- D. Customer: any person, company, or organization using water supplied by the City.
- E. 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.
- F. Even number address: street addresses, box numbers, or rural postal route numbers ending in 0, 2, 4, 6, or 8 and locations without addresses.
- G. Industrial water use: the use of water in processes designed to convert materials of lower value into forms having greater usability and value.
- H. 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.

- I. Non-essential water use: water uses that are not essential nor required for the protection of public, health, safety, and welfare, including:
1. irrigation of landscape areas, including parks, athletic fields, and golf courses, except otherwise provided under this Plan;
 2. use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle;
 3. use of water to wash down any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced area;
 4. use of water to wash down buildings or structures for purposes other than immediate fire protection;
 5. flushing gutters or permitting water to run or accumulate in any gutter or street;
 6. use of water to fill, refill, or add to any indoor or outdoor swimming pools or Jacuzzi-type pools;
 7. use of water for recreational purposes;
 8. use of water in a fountain or pond for aesthetic or scenic purposes except where necessary to support aquatic life;
 9. failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s); and
 10. use of water from hydrants for construction purposes or any other purposes other than firefighting.
- J. Odd numbered address: street addresses, box numbers, or rural postal route numbers ending in 1, 3, 5, 7, or 9.

VIII. TRIGGERING CRITERIA

The City 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. The triggering criteria described below are based on known system capacity limits.

Stage 1 – Mild

- A. Requirements for initiation (Voluntary) – Customers shall be requested to voluntarily conserve water and adhere to the prescribed restrictions on certain water provided in Section IX of this Plan when:

- a. The demand on water supply facilities reaches or exceeds seventy-five percent (75%) of the capacity of such facilities for a period of three (3) consecutive days.
 - b. When the static water level at Lake Somerville is equal to or less than 234.8 feet.
 - c. When, pursuant to requirements specified in the drought contingency plan of the Brazos River Authority, notification is received requesting initiation of Stage 1 of the drought contingency plan listed in this document.
- B. Requirements for termination – Stage 1 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of three (3) consecutive days.
- C. Goal – The target for Stage 1 of the Plan is:
 - a. To reduce and maintain daily water demand below 75% of system capacity.
 - b. To reduce and maintain daily water demand at or above requested consumption per Brazos River Authority drought contingency plan.

Stage 2 – Moderate

- A. Requirements for initiation – Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses provided in Section IX of this Plan when:
 - a. The demand on water supply facilities reaches or exceeds eighty percent (80%) of the capacity of such facilities for a period of three (3) consecutive days.
 - b. When the static water level at Lake Somerville is equal to or less than 231.6 feet.
- B. Requirements for termination – Stage 2 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of three (3) consecutive days. Upon termination of Stage 2, Stage 1 becomes operative.
- C. Goal - The target for Stage 2 of the Plan is to reduce daily water demand below 80% of system capacity.

Stage 3 – Severe

- A. Requirements for initiation – Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses provided in Section IX of this Plan when:
 - a. The demand on water supply facilities reaches or exceeds eighty-five percent (85%) of the capacity of such facilities for a period of three (3) consecutive days.
 - b. When the static water level at Lake Somerville is equal to or less than 227.8 feet.

- B. Requirements for termination – Stage 3 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of three (3) consecutive days. Upon termination of Stage 3, Stage 2 becomes operative.
- C. Goal – The target for Stage 3 of the Plan is to reduce daily water demand below 85% of system capacity.

Stage 4 – Critical

- A. Requirements for initiation – Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses provided in Section IX of this Plan when:
 - a. The demand on water supply facilities reaches or exceeds ninety percent (90%) of the capacity of such facilities for a period of three (3) consecutive days.
 - b. When the static water level at Lake Somerville is equal to or less than 223.9 feet.
- B. Requirements for termination – Stage 4 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of three (3) consecutive days. Upon termination of Stage 4, Stage 3 becomes operative.
- C. Goal – The target for Stage 4 of the Plan is to reduce daily water demand below 90% of system capacity.

Stage 5 – Emergency

- A. Requirements for initiation – Customers shall be required to comply with the requirements and restrictions provided in Section IX of this Plan when a water supply emergency exists based on:
 - 1. Major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to provide water service; or
 - 2. Natural or man-made contamination of the water supply source(s).
- B. Requirements for termination – Stage 5 of this Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of three (3) consecutive days.
- C. Goal – The target for Stage 5 of the Plan is to discontinue all water systems operations.

Stage 6 – Water Allocation

Water allocation is not included in the Plan at this time. The City will most likely be constrained by system capacity before shortage of supply.

IX. DROUGHT RESPONSE STAGES

The City shall monitor water supply and/or demand conditions on a daily basis and, in accordance with the triggering criteria set forth in Section VIII of this Plan, shall determine that a water shortage condition exists and shall implement the following stages of the Plan.

Stage 1 Response – Mild

Water Use Restrictions (Voluntary):

- A. Water customers are requested to voluntarily limit the irrigation of landscaped areas to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and to irrigate landscapes only between the hours of midnight and 10:00 a.m. and 8:00 p.m. to midnight on designated watering days.
- B. All operations of the City, including those for recreation use, shall adhere to water use restrictions prescribed for Stage 2 of the Plan. The City Splash Pad shall continue to operate on reduced hours. Hohlt Park shall remain in Stage 1.
- C. Water customers are requested to practice water conservation and to minimize or discontinue water use for non-essential purposes.

Stage 2 Response – Moderate

Water Use Restrictions: Under threat of penalty for violation, the following water use restrictions shall apply to all persons:

- A. Irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems shall be limited to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for customers with a street address ending in an odd number (1, 3, 5, 7, or 9), and irrigation of landscaped areas is further limited to the hours of 12:00 midnight until 10:00 a.m. and between 8:00 p.m. and 12:00 midnight on designated watering days. However, irrigation of landscaped areas is permitted at any time if it is by means of a hand-held hose, a faucet filled bucket or watering can of five (5) gallons or less, or drip irrigation system.
- B. Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is prohibited except on designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shutoff nozzle. Vehicle washing may be done at any time on the immediate premises of a commercial car wash or commercial service

station. Further, such washing may be exempted from these regulations if the health, safety, and welfare of the public is contingent upon frequent vehicle cleansing, such as garbage trucks and vehicles used to transport food and perishables.

- C. Use of water to fill, refill, or add to any indoor or outdoor swimming pools, wading pools, or Jacuzzi-type pools is prohibited except on designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight.
- D. Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life or where such fountains or ponds are equipped with a recirculation system.
- E. Use of water from hydrants shall be limited to firefighting, related activities, or other activities necessary to maintain public health, safety, and welfare. Non-potable water shall be used for construction purposes unless from designated fire hydrants under special permit from the city. City operations except those listed above shall be restricted to non-potable water.
- F. Use of water for the irrigation of golf course greens, tees, and fairways is prohibited except on designated watering days between the hours 12:00 midnight and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight. However, if the golf course utilizes a water source other than that provided by the City, the facility shall not be subject to these regulations.
- G. All restaurants are prohibited from serving water to patrons except upon request of the patron.
- H. All operations of the City, including those for recreation use, shall adhere to water use restrictions prescribed for Stage 3 of the Plan. The City Splash Pad shall restrict hours only to days aligning with irrigation schedules. Hohlt Park shall remain in stage 2.
- I. The following uses of water are defined as non-essential and are prohibited:
 - 1. wash down of any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas.
 - 2. use of water to wash down buildings or structures for purposes other than immediate fire protection;
 - 3. use of water for dust control;
 - 4. flushing gutters or permitting water to run or accumulate in any gutter or street; and

5. failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s).

Stage 3 Response – Severe

Water Use Restrictions: All requirements of Stage 2 shall remain in effect during Stage 3 except:

- A. Irrigation of landscaped areas shall be limited to designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight and shall be by means of hand-held hoses, hand-held buckets, drip irrigation, or permanently installed automatic sprinkler system only. The use of hose-end sprinklers is prohibited at all times.
- B. The watering of golf course greens, tees, and fairways is prohibited unless the golf course utilizes a water source other than that provided by the City.
- C. All operations of the City, including recreational use, shall adhere to water use restrictions prescribed for Stage 4 of the Plan. The City Splash Pad shall be shut down. Hohlt Park shall remain in stage 3.
- D. The use of water for construction purposes from designated fire hydrants under a special permit is to be discontinued.

Stage 4 Response – Critical

Water Use Restrictions: All requirements of Stage 2 and 3 shall remain in effect during Stage 4 except:

- A. Irrigation of landscaped areas shall be limited to designated watering days between the hours of 6:00 a.m. and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight and shall be by means of hand-held hoses, hand-held buckets, or drip irrigation only. The use of hose-end sprinklers or permanently installed automatic sprinkler systems are prohibited at all times.
- B. Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle not occurring on the premises of a commercial car wash and commercial service stations and not in the immediate interest of public health, safety, and welfare is prohibited. Further, such vehicle washing at commercial car washes and commercial service stations shall occur only between the hours of 6:00 a.m. and 10:00 a.m. and between 6:00 p.m. and 10:00 p.m.
- C. The filling, refilling, or adding of water to swimming pools, wading pools, and Jacuzzi-type pools is prohibited.

=

- D. Water for recreational use is prohibited.
- E. Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life or where such fountains or ponds are equipped with a recirculation system.
- F. No application for new, additional, expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains, or water service facilities of any kind shall be approved, and time limits for approval of such applications are hereby suspended for such time as this drought response stage or a higher-numbered stage shall be in effect.

Stage 5 Response – Emergency

Water Use Restrictions: All requirements of Stage 2, 3, and 4 shall remain in effect during Stage 5 except:

- A. Irrigation of landscaped areas is absolutely prohibited.
- B. Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is absolutely prohibited.

Stage 6 Response – Water Allocation

Water allocation is not included in the Plan at this time. The City will most likely be constrained by system capacity before shortage of supply.

X. ENFORCEMENT

- A. No person shall knowingly or intentionally allow the use of water from the City for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provision of this Plan, or in an amount in excess of that permitted by the drought response stage in effect at the time pursuant to action taken by the City, in accordance with provisions of this Plan.
- B. Any person who violates this Plan is guilty of a misdemeanor and, upon conviction, shall be punished by a fine of not more than two thousand dollars (\$2,000). Each day that one or more of the provisions in this Plan is violated shall constitute a separate offense. If a person is convicted of three or more distinct violations of this Plan, the City shall, upon due notice to the customer, be authorized to discontinue water service to the premises where such violations occur. Services discontinued under such circumstances shall be restored only upon payment of a re-connection charge and any other costs incurred by the City in discontinuing service. In addition, suitable assurance must be given to the City that the same action shall not be repeated while the Plan is in effect. Compliance with this plan may also be sought through injunctive relief in the district court.

- C. Any person, including a person classified as a water customer of the City, in apparent control of the property where a violation occurs or originates shall be presumed to be the violator, and proof that the violation occurred on the person's property shall constitute a rebuttable presumption that the person in apparent control of the property committed the violation, but any such person shall have the right to show that he/she did not commit the violation. Parents shall be presumed to be responsible for violations of their minor children and proof that a violation, committed by a child, occurred on property within the parents' control shall constitute a rebuttable presumption that the parent committed the violation, but any such parent may be excused if he/she proves that he/she had previously directed the child not to use the water as it was used in violation of this Plan and that the parent could not have reasonably known of the violation.
- D. Any police officer or other designated City employee may issue a citation to a person he/she reasonably believes to be in violation of this Plan. The citation shall be prepared in duplicate and shall contain the name and address of the alleged violator, if known, the offense charged, and shall direct him/her to appear in the municipal court on the date shown on the citation. The alleged violator shall be served a copy of the citation. Service of the citation shall be complete upon delivery of the citation to the alleged violator, to an agent or employee of a violator, or to a person over fourteen (14) years of age who is a member of the violator's immediate family or is a resident of the violator's residence. The alleged violator shall appear in municipal court to enter a plea of guilty or not guilty for the violation of this Plan. If the alleged violator fails to appear in municipal court, a warrant for his/her arrest may be issued. A summons to appear may be issued in lieu of an arrest warrant.

XI. VARIANCES

The City 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, sanitation, or fire protection 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 Plan shall file a petition for variance with the City within five (5) days after the Plan or a particular drought response stage has been invoked. All petitions for variances shall be reviewed by the City and shall include the following:

- Name and address of the petitioner(s).

- Purpose of the water use.
- Specific provisions(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 the 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.

Variances granted by the City shall be subject to the following conditions, unless waived or modified by the City:

- Variances granted shall include a timetable for compliance.
- Variances granted shall expire when the Plan is no longer in effect, unless the petitioner has failed to meet specified requirements.

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

XII. SEVERABILITY

It is hereby declared to be the intention of the City that the 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 City without the incorporation into this Plan of any such unconstitutional phrase, clause, sentence, paragraph, or section.