

TOWN OF STOKESDALE

WATER SHORTAGE PLAN

ARTICLE VI. WATER CONSERVATION

Sec. 1. Purpose.

The purpose of this article is to provide for the official declaration of water shortage stages and the implementation of water conservation measures throughout the Town of Stokesdale's water service area in the event of such declaration.

Sec. 2. Definitions.

For the purpose of the interpretation and enforcement of this article, in addition to those definitions in Section 1 of this resolution, unless the context specifically indicates otherwise, the following terms, words and phrases shall have the meanings ascribed to them in this section:

Customer. Any person using water for any purpose, including commercial, manufacturing, institutional and residential uses, from the Town of Stokesdale's water distribution system and for which a regular charge is made.

Emergency Conservation. Water supplies are below the level necessary to meet normal needs and that serious shortages exists such that the water supply may not be sufficient to preserve public health and safety thereby necessitating more restrictive mandatory conservation measures.

Essential Water Uses. Water uses necessary to sustain human life and the lives of domestic pets, to maintain minimum standards of hygiene and sanitation, to provide for fire protection, and to ensure public health and safety.

Mandatory Conservation. The consistent decline of the water supply poses a threat to the adequate provision of water to meet normal needs such that customers are required to take certain restrictive conservation measures to limit water use and prevent the waste of water.

Voluntary Conservation. Conditions exist which indicate the potential for a water shortage such that customers are encouraged to take certain conservation measures to limit water use and prevent the waste of water.

Sec. 3. Declaration and Public Notice.

(a) In the event the water supply of the Town of Stokesdale's water distribution system is low and/or declining due to conditions which may adversely affect the continued availability of water for human consumption, sanitation, health and fire protection, as determined by the Town's Water Operator (ORC), the Mayor or in his absence, the Mayor Pro-Tem, is authorized and empowered, to declare a water shortage and implement conservation measures set forth herein, and in Sec. 85, below. Such declaration may be issued for the entire water service area or for certain areas served by the water distribution system. Once a declaration of water conservation has been issued by the above listed town officials internal employees shall be notified of the said declaration via e-mail, telephone, and/or other applicable means.

(b) In determining that water conservation measures are necessary, the ORC shall consider factors including, but not limited to, the following:

- (1) Water flow and levels in rivers and reservoirs;
- (2) Water treatment plants and distribution system capabilities, including treated supply recovery time, available distribution storage, and excessive system demand;
- (3) Draw-down rates;
- (4) Weather forecasts and expected precipitation;
- (5) Daily water use patterns;
- (6) Seasonal and long-term weather patterns; and

(7) Availability of water from other sources.

The table below outlines the four (4) stages of water shortages responses, and the specific triggers that warrant transition from one stage to the next. The appropriate response to each stage is set out in Sec. 85. The

Town Council shall implement a particular stage when any two or more of the following triggers are present for that stage. Each conservation stage has an associated Potable Water Reduction Goal as indicated in the table. The Potable Water Reduction Goal shall be calculated on the basis of the weekly average of daily demand, Monday through Sunday of the previous week, as compared to prior, less restrictive conservation stages.

System Status	Voluntary Stage 1	Mandatory Stage 2a	Mandatory Stage 2b	Stage 3 Emergenc
Potable Water Reduction Goal	10% reduction in system demand from pre-stage demand	20% reduction in system demand from pre-stage demand	25% reduction in system demand from pre-stage demand	35% reduction in system demand from pre-stage demand
System Demand	Exceeds 85% of available capacity for three consecutive days	Exceeds 90% of available capacity	Exceeds 90% of available capacity for three consecutive days	Exceeds 95% of available capacity
US Drought Monitor	Severe	Extreme	Extreme	Extreme
W. Kerr Scott Reservoir Level	≤ 1027 feet asl	≤ 1023 feet asl	≤ 1019 feet asl	≤ 1015 feet asl
Yadkin River Flow (as measured at USGS 02115360 Enon Guage)	≤ 554 cfs	≤ 200 cfs for more than 5 consecutive days	≤ 175 cfs for more than 3 consecutive days	≤ 125 cfs for more than 2 consecutive days

(c) Notification of a water shortage declaration or changes to the current level of conservation -shall be published in a newspaper of general circulation in the water service area in accordance with N.C.G.S. § 1-597, and shall be publicized via press release or other appropriate method for making such declarations public.

Sec. 4. Water Shortage Stages and Conservation Measures.

Once a water shortage stage has been declared, the ORC shall begin to review the supply of water available on a daily basis, and report the status to the Town Council. A stage, once declared, shall remain in effect until two or more of the triggers set out in Section 84(b) occur, requiring transition from one stage to the next, at which time an amended declaration shall be announced, or, until such time as the ORC/Town Council shall deem that water conservation measures are no longer necessary. At the expiration of the declaration, the ORC shall report to the Town Council the status of the existing water supply, and determine the appropriate stage, if any, to implement.

(a) *Stage 1. Declaration of voluntary conservation.*

In the event that a potential water shortage is identified by the ORC, using the factors set out in Section 84(b) above, the Town Council shall declare a Stage 1 water shortage. All customers, in order to limit water use and prevent the waste of water, will be strongly encouraged to employ voluntary water conservation measures including, but not limited to, the following:

- (1) Limiting the watering of lawns, landscaping, and other vegetation to not more than one hour per day and avoiding watering between 9:00 a.m. and 6:00 p.m.;
- (2) Inspecting and repairing all leaks and faulty and defective parts of faucets and toilets;
- (3) Installing water flow restrictive showerheads and water saving devices in toilets;
- (4) Showering for not more than five (5) minutes, instead of bathing in a bathtub or taking long showers;
- (5) Turning off faucets while shaving, brushing teeth or rinsing dishes;

- (6) Limiting the use of washing machines and dishwashers, and only operating them when full;
- (7) Limiting the washing of vehicles;
- (8) Refraining from using water to wash down outside areas such as sidewalks, patios, and driveways;
- and
- (9) Refraining from filling swimming or wading pools.

(b) *Stage 2a. Declaration of Mandatory Conservation.*

In the event that a consistent decline in the water supply poses a threat to the adequate provision of water to meet normal needs, as determined by the ORC, using the factors set out in Section 84(b) herein above, the Town Council shall declare a Stage 2a water shortage and mandate conservation measures including, but not limited to, the following:

- (1) The watering of lawns, landscaping, and other vegetation shall be limited to manual or automated sprinkling between the hours of 6:00 p.m. and 9:00 a.m. The dates upon which sprinkling will be permitted will be determined by street address numbers. Customers whose street address numbers are odd shall be allowed to do such sprinkling on odd numbered days of the month. Customers whose street address numbers are even shall be allowed to do such sprinkling on even numbered days of the month.
- (2) The only other method by which it shall be permitted to water plants shall be the use of a watering can or other hand held container or device, not exceeding (3) gallons in size.
- (3) Other restrictions contained in Section 85(a), above, shall remain voluntary, unless otherwise declared.

(c) *Stage 2b. Declaration of Mandatory Conservation.*

In the event that a consistent decline in the water supply poses a threat to the adequate provision of water to meet normal needs, as determined by the ORC, using the factors set out in Section 84(b) above, the Town Council shall declare a Stage 2b water shortage and mandate conservation measures including, but not limited to, the following:

- (1) The watering of lawns, landscaping, and other vegetation shall be limited to Saturdays and Sundays via manual or automated sprinkling between the hours of 6:00 p.m. and 9:00 a.m. The day upon which sprinkling will be permitted will be determined by street address numbers. Customers whose street address numbers are odd shall be allowed to use sprinklers on Saturdays, while customers whose street address numbers are even shall be allowed to use sprinklers on Sundays.
- (2) The only other method by which it shall be permitted to water plants shall be the use of a watering can or other hand held container or device, not exceeding (3) gallons in size.
- (3) Other restrictions contained in Section 85(a) shall remain voluntary, unless otherwise declared.

(d) *Stage 3. Declaration of Emergency Conservation.*

Whenever the water supply is below the level necessary to meet normal needs and a serious shortage exists, as determined by the ORC using the factors set out in Section 84(b) hereinabove, the Town Council shall declare a Stage 3 water shortage and mandate emergency conservation measures, including but not limited to the following:

- (1) The following shall not be permitted:
 - a. Any use of water outdoors for non-emergency related reasons. Exceptions shall include fire protection and prevention, and the needs of the Town to maintain the water distribution system. Watering of lawns, and other landscaping, shall be permitted only with the use of a watering can or other hand held container or device, not exceeding three (3) gallons in size.
 - b. The washing of vehicles and other mobile equipment, except that commercial and business operated car washes shall be exempt from this prohibition, and provided that parts of vehicles may be washed where such washing is required by federal, state, or local laws for health reasons.
 - c. The filling of swimming or wading pools.

- (2) Customers shall be encouraged to reduce their consumption as much as possible, with a goal of reducing, by at least twenty-five (25) percent, the customer's average usage.
- (3) The Town Council shall temporarily impose restrictions on automated and manual irrigation systems. Such restrictions may include limitations on hours and days during which it is permissible use such systems or an absolute ban on the use of such systems.

Sec. 5. Compliance.

In the event that the Town Council declares a water shortage and imposes conservation measures, it shall be unlawful for any customer to use, or permit the use of water from the Town of Stokesdale's water distribution system in a manner which fails to comply with such conservation measures and the provisions of this Article. Failure to comply with any such conservation measures and the provisions of this Article shall subject the offender to the enforcement provisions in Sec. 86, 87, and 88. The Town of Stokesdale may exercise any and all remedies allowed by law, and in equity, including the imposition of a civil penalty, and the pursuit of injunctive relief.

Sec. 6. Civil Penalties.

A civil penalty shall be assessed by the Town Council against any customer who fails to comply with any mandatory or emergency conservation measures set out in this Article and as imposed in any water shortage declaration. Notification of a civil penalty so assessed shall be given within five (5) days after discovery of the violation. The amount of the civil penalty shall be as follows: TABLE INSET:

First Offense:	Warning
Second Offense:	\$100.00
Third Offense:	\$200.00
Each Successive Offense:	\$200.00

Violations of the provisions of this Article and any declaration shall be cumulative, so long as the declaration is in effect, and for one year thereafter. Any consequent penalties shall also be cumulative. If a customer moves, or terminates, and subsequently re-establishes, service during any period in which a declaration is in effect, the customer's violations shall continue to accrue, regardless of such move or termination.

Sec. 7. Criminal Fines.

Upon a fourth violation of this Article, a criminal warrant shall be issued for the arrest the offending customer. Any violations of the provisions of this Article shall constitute a class 3 misdemeanor, punishable, upon conviction, by a term of imprisonment of up to twenty (20) days, and by a fine of up to five hundred dollars (\$500.00), as provided by N.C.G.S. § 14-4. In addition, violation of the Article may be enjoined, as provided in N.C.G.S. § 160A-175. The issuance of a criminal warrant shall not prevent the imposition of further civil penalties.

Sec. 8. Variance Requests.

Customers may request a variance from the restrictions listed herein above by completing a Water Conservation Variance Request Form which can be obtained by contacting the Town of Stokesdale at 336-643-4011. Each request for variance will be reviewed on an individual basis, by the Town Council taking into consideration the circumstances involved. The Town Council shall notify the customer in

writing, of the Council's decision, within seventy-two (72) hours of receiving the request.

Sec. 9. Water Service Disconnection.

The Town Council shall have the authority to terminate or restrict water service to any customer who has violated the mandatory or emergency conservation provisions of this Article or any water shortage declaration. Prior to such termination or restriction of water service, the Town Council shall give at least two (2) working days written notice of intent to terminate water service or restrict water supply. Within said two (2) days, such customer, upon petition to the Town Council, or his/her designee, may be heard as to why such termination or restriction should not be enforced. No notice shall be required to terminate water service which is provided solely for lawn and shrubbery sprinkler systems, swimming pools, or other uses which are non-essential. After water service has been terminated or restricted, it shall be unlawful to reactivate such service without permission of the Town Council.

Sec. 10. Enforcement.

Stokesdale Town Hall employees and council shall be empowered to enforce water restrictions as set forth in this Article. Following declaration of any conservation declaration, the Town Council shall implement measures to document offenses and track repeat offenders, in order to aid enforcement of the civil penalties outlined in Sec. 87 herein above.

Sec. 11. Policy Revision and Public Review

Article VI. Water Conservation of the Water System Policy Resolutions shall be reviewed, at a minimum, every five (5) years, or at the conclusion of an event requiring conservation measures to be enacted. This Article shall be revised in collaboration with the relevant agencies, and shall be drafted by Town Staff. The revised Article shall be submitted to the Town Council for adoption. The Town of Stokesdale holds public meetings during which the general public has the opportunity to comment on new and proposed changes to the Water System Policy Resolutions. Upon adoption by the Council, the revised Article shall be incorporated into the Water System Policy Resolutions and, by reference, into the Town of Stokesdale Ordinances.