

Water Conservation Plan
Town of Oak Ridge, North Carolina
Date
Document Number

The procedures herein are written to reduce potable water demand and supplement existing drinking water supplies whenever existing water supply sources are inadequate to meet current demands for potable water.

The purpose of this plan is to minimize harmful impacts of drought and water supply emergencies on public health and safety, environmental quality, and the economy by establishing minimum standards and practices for water shortage response planning, water use reporting, water conservation, and water reuse during droughts and supply emergencies.

Section I. Authorization

The Town Mayor and Water Operator shall enact the following water shortage response provisions whenever the trigger conditions outlined in Section IV are met. In his/her absence, the Town Clerk will assume this role.

Town Mayor: Ann Schneider
Phone: 336-644-7009
E-mail: aschneider.nc@gmail.com

Water Operator: Envirolink Area Mgr.
Phone: 252-235-4900
E-mail: jpowers@envirolinkinc.com

Town Clerk: Sandra Smith
Phone: 336-644-7009
E-mail: ssmith@oakridgenc.com

Section 2. Factors Requiring Implementation of the Water Conservation Plan

Several parameters or conditions may require the Town of to begin the WCP. These include but may not be limited to significant reductions in well water levels, a significant increase in pump run times for the predetermined total flow at the well(s), contaminants in the water system, act of terrorism, vandalism, main breaks and natural disasters.

If the factors listed above reduce well water levels or pump run times or by any event or combination of events prevent the water system from delivering water, WCP phases will be enacted in the following order:

Phase I will be enacted if a 20% reduction in normal well water levels is noted or if pump run times increase 20% in order to maintain previous rates or any other event which causes a 20% reduction in the water system's capacity.

Phase II will be enacted if a 40% reduction in normal well water levels is noted or if pump run times increase 40% in order to maintain previous rates or any other event which causes a 40% reduction in the system's capacity.

Phase III will be enacted if a 60% reduction in normal well waters levels is noted or if pump run times increase 60% in order to maintain previous rates or any other event which causes a 60% reduction in the system's capacity.

Section 3. Water Use Classification

In order to facilitate a fair and equitable WCP, every water use will be grouped into one of three classifications.

Class I- Essential Water Uses.

These uses include but may not be limited to water use required to/for:

- Sustain human life and the lives of domestic pets;
- Maintain minimum standards of hygiene and sanitation;
- Health care uses necessary for patient care and rehabilitation; and
- Firefighting, including training and drills as approved by the Town's Mayor

Class II - Socially or Economically Important Water Uses.

These include but may not be limited to water use required to/for:

- Preserve commercial vegetable gardens, fruit orchards, nursery stock and livestock maintenance;
- Outdoor commercial watering, public or private;
- Establishing vegetation, after construction/earth moving activities;
- Filling and operation of municipal or private swimming pools provided that these swimming pools serve 25 or more residents; and
- Operation of commercial car washes, restaurants, Laundromats, clubs, schools, churches and other similar establishments.

Class III - Non-Essential Water Uses.

These uses include but may not be limited to:

- Operation of water fountains, ornamental pools and recreational swimming pools that serve fewer than 25 persons;
- Non-commercial washing of motor vehicles, sidewalks, houses, etc.; and
- Non-commercial watering of gardens, lawns, parks, playing fields and other recreational areas.

Section 4. Phased WCP and Water Use Reduction Goals

When the WCP is implemented, the below phased approach will be followed:

Phase I - Voluntary Conservation

This phase will be enacted when it is determined that one or more of the parameters outlined in Section 2 is met. If this occurs, the consumers will be notified promptly by any or all of the following: OneCall Now, Social Media, mailers, door hangers, public postings at the Town Hall, Post Offices, etc. The public will be asked to begin voluntary conservation measures and Class III Non-Essential uses will be halted. Specific conservation measures and tips can be seen on Attachment I.

Continued water consumption by Class III, non-essential users will result in a written notice of violation for the first offense and a \$25.00 fine for each subsequent offense.

If the determining parameter(s) return to seasonal norms, the measures will be lifted. However, failure of the determining parameter(s) to return to a state of seasonal normalcy may require the initiation of Phase II.

Phase II - Mandatory

This phase will begin when the Town's Mayor issues a water shortage advisory. The consumers will be notified by one of the methods noted in Phase I. All users will be required to adhere to the voluntary conservation measures as noted in Attachment I. Class III uses will be banned. Class II uses will be allowed although outdoor vegetative watering will be limited according to the resident's street address. Even numbered addresses will be allowed to water on even days of the month. Odd numbered addresses will be allowed to water on odd days of the month.

During Phase II, industrial facilities will be required to develop and demonstrate to the Town's Mayor a water shortage response program. This program should show, at least, a 25% reduction in water usage.

Failure to adhere to the Phase II (Mandatory) required conditions will result in a written notice of violation for the first offense and/or a \$50.00 fine. Thereafter, each violation increases by a factor of \$50.00. Any violation past a fourth offense shall result in a disruption of water service to the offending party until Phase II has been rescinded.

Phase III - Emergency

This phase will commence with the issuance of a water shortage emergency declaration from the Town's Mayor. Users will be notified by any or all of the methods noted in Phase I. All users will be required to use voluntary conservation measures outlined in "Attachment I". Class III uses will be banned and Class II uses will be allowed with the exception of vegetative watering. Industrial users will be required to implement their water reduction program, immediately.

Failure to comply with the mandates during Phase III will require the offending party to pay \$100.00 fine for the first offense, \$350.00 fine for the second offense and disruption of service for the third offense.

In addition, residential users will be allotted 1000 gallons per month per person per connection. If the user uses 1001 -1250 gallons per month per person per connection, a surcharge of 25% will be added to the monthly bill. If the user uses 1251 - 1500 gallons per month per person per connection, a surcharge of 75% will be added to the monthly water bill. If the user uses 1501 or more gallons per month per person per connection, a surcharge of 150% will be added to the monthly bill.

Commercial, industrial and institutional facilities will be required to reduce their monthly water consumption by 25% of the previous 12 - month water consumption average to maintain the current water rate for that month. The average water use can be evaluated on an individual basis for facilities with seasonable demand fluctuations. A 10 – 24% water use reduction from the previous 12 - month water use average will require the Town to impose a 25% surcharge on the monthly water bill. A 0 – 9% water use reduction from the previous 12 - month water use average will require the Town to impose a 50% surcharge on the monthly water bill. An increase of 1 – 25% above the previous 12 - month water use average will result in surcharge of 100% added to the next monthly bill. Any amount used above 25% of the previous 12 - month average water use will require the Town to add a surcharge of 150% to the monthly bill.

Section 5. Enforcement

Enforcement of mandatory conservation and associated fines will be the responsibility of the Town's Code Enforcement Officer, under the direction of the Town's Mayor.

Section 6. Water Shortage Response Plan Cancellation

As the determining parameter(s) decrease in severity and return to acceptable levels, the Town will lift the WCP. The cancellation process will be in the reverse order of the WCP implementation.

Section 7. Public Comment

Customers will have multiple opportunities to comment on the provisions of the water shortage response plan. First, notice of a public review period will be posted in the Northwest Observer. A public hearing will be scheduled with notice printed in all customer water bills to collect comments on the draft. All subsequent revisions to the draft plan will be published at least 30 days prior to an adoption vote by Town Council.

Section 8. Variance Protocols

Applications for water use variance requests are available from the Town Hall. All applications must be submitted to the Utility Office for review by the Town's Mayor or his or her designee. A decision to approve or deny individual variance requests will be determined within two weeks

of submittal after careful consideration of the following criteria: impact on water demand, expected duration, alternative source options, social and economic importance, purpose (i.e. necessary use of drinking water) and the prevention of structural damage.

Section 9. Effectiveness

The effectiveness of the Town water shortage response plan will be determined by comparing the stated water conservation goals with observed water use reduction data. Other factors to be considered include frequency of plan activation, any problem periods without activation, total number of violation citations, desired reductions attained and evaluation of demand reductions compared to the previous year's seasonal data.

Section 10. Revision

The water shortage response plan will be reviewed and revised as needed to adapt to new circumstances affecting water supply and demand, following implementation of emergency restrictions, and at a minimum of every five years in conjunction with the updating of our Local Water Supply Plan. Further, a water conservation response planning work group will review procedures following each emergency or rationing stage to recommend any necessary improvements to the plan to Town Council. The Town's Mayor is responsible for initiating all subsequent revisions.