

TOWN OF TARBORO WATER SHORTAGE RESPONSE PLAN (WSRP)
(PWSID 04-33-010)

I. I. TOWN OF TARBORO WATER SHORTAGE RESPONSE PLAN PROCEDURE

All municipalities or water districts purchasing water from the Town of Tarboro's water system will, at a minimum, adopt and enforce water use reduction measures contained in this plan as a condition of water sales. When the thresholds established in Section IV of this plan are reached the Town Manager, or the Public Works Director, as designated by the Town Manager, shall declare a water shortage and institute the provisions of this plan. Upon declaration of a water shortage by the Manager, a press release will be forwarded to the following media outlets: The Daily Southerner, (252-823-3106) WCPS 760 AM Radio, (252-824-7878), WITN Channel 7 News (252-946-3131), WNCT Channel 9 News (252-355-8500) and WRAL Channel 5 News (919-821-8555).

II. II. YEAR-ROUND WATER CONSERVATION POLICY IN TARBORO

Year Round Water Use Policy

The Tarboro Town Council encourages all municipally supplied water users to use water efficiently at all times. The Town of Tarboro's Public Works Director will monitor regional water resource conditions through the North Carolina Drought Monitor. (<http://www.ncwater.org/drought/>). When the Drought Monitor indicates impending drought conditions the Public Works Director will increase monitoring of water demand and the available supply of water. The findings will be reported to the Town Manager. In the event of a declaration of a water shortage by the Town Manager, the Public Works Director will submit a weekly report on water supply conditions to the Town Manager.

Public Education and outreach consists of the following activities:

Independent mailing to major users; bill stuffers to all customers; radio, TV (public service announcements), website, newspaper ads, and water audits.

III. III. WATER USE CLASSIFICATION IN TARBORO

To aid implementation of this plan the following classes of water use have been established:

Class I: Essential Potable Water Uses for Tarboro

Domestic: Water to sustain human and domestic pet life; minimum standards of hygiene and sanitation.

Patient Care: Patient care and rehabilitation, including swimming pools used for patient care and rehabilitation.

Public Use: Firefighting and approved flushing of sewers and hydrants to ensure public health and safety.

Class II: Socially/Economically Important Potable Water Uses for Tarboro

Domestic: Minimal use for kitchen, bathroom and laundry; minimal watering of vegetable gardens and trees to preserve them.

Public Use: Filling and operation of public swimming pools, which serve more than 25 residents.

Commercial: Commercial vehicle washes and Laundromats; restaurants and hotels, irrigation of golf course greens, watering by commercial nurseries at a minimum level to maintain stock, minimum amount required to maintain essential cooling operations.

Agricultural: Minimum amount required to maintain crops, livestock, and associated activities.

Industrial: Minimum use necessary to operate production facilities and maintain jobs, minimum amount required to maintain essential cooling operations.

Institutional: Efficient use by schools, churches, and government facilities.

Class III: Non-Essential Potable Water Uses for Tarboro

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All: Ornamental uses (fountains, reflecting pools, artificial waterfalls, etc.); residential lawn irrigation; non-commercial washing of motor vehicles; wash down of impervious surfaces; filling and operation of recreational swimming pools serving less than 25 residents.

Public Use: Gardens, lawns, parks, golf courses (except greens), playing fields and recreational areas.

Commercial: Serving water in restaurants except by request.

IV: DROUGHT RESPONSE TRIGGERS AND PHASED WATER USE REDUCTIONS

When the following water supply thresholds (TRIGGERS) are reached, the Town Manager shall initiate the following PHASE reduction measures as outlined under the corresponding RESPONSE heading.

Phase I: Voluntary water use reduction for Tarboro

TRIGGERS

Whenever the Town Manager finds that a potential shortage of water supply is indicated or when the flow of the Tar River as measured by the USGS river gauge located in Tarboro falls below 70 cubic feet per second (cfs) for seven (7) consecutive days, he shall declare a state of voluntary conservation, and to call upon all water customers to employ voluntary water conservation measures.

PHASE I: VOLUNTARY WATER USE REDUCTION FOR TARBORO
RESPONSE (Begin Distribution of Water Use Reduction Education Materials)

The Town Manager shall declare a **Water Shortage Advisory**:

Begin public notification as previously outlined and distribute water conservation tips;
Request Voluntary Conservation for all users of the Town of Tarboro water system as outlined in distributed information;
Request all irrigation systems be limited to two days per week between 6pm – 8am;
Request citizens to stop all non-commercial car washing;
Request all non-commercial pressure washing and wash down of impervious surfaces be reduced or eliminated;
Request Class III non-essential uses be reduced or eliminated;
Request restaurants serve water only by request;
Commercial and Industrial water users are required to prepare a 25% Water Use Reduction Plan to be submitted within 30-days of water shortage advisory declaration;
The Town Manager may authorize additional water use restrictions or bans to be enforced 10 days after public notification.

PHASE II: MANDATORY WATER USE REDUCTION MEASURES FOR TARBORO
TRIGGERS

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Whenever the Town Manager finds that there is the potential for a water emergency situation to occur or exist or when the flow of the Tar River as measured by the USGS river gauge located in Tarboro falls below 50 cubic feet per second (cfs) for seven (7) consecutive days, the manager shall declare a state of mandatory conservation. Under a state of mandatory conservation, the manager shall continue to encourage voluntary water conservation measures, and shall impose a scheduled water use program or an outright ban on all Class 3 uses until the mandatory conservation period is declared to be over by the Town Manager.

RESPONSE

The Manager shall declare a **Water Shortage Alert**;

All voluntary measures become mandatory in addition to the following measures:
Enforce a system-wide 25% water use reduction goal (including industrial and commercial plans);
Notify water use customers by any or all methods as previously outlined;
Limit all landscape irrigation to one day per week using drip irrigation or hand held nozzle;

Limit residential outdoor watering to spray nozzle or drip irrigation only;
Ban all non-commercial car washing;
All vehicle sales dealerships limited to wash vehicle only upon buying or sale of vehicle;
Ban all non-commercial pressure washing and wash down of impervious surfaces;
Restaurants allowed to serve water only upon request;
Ban the filling of newly constructed or recently drained pools unless to prevent damage;
Public recreational areas are limited to watering on Monday between the hours of 6pm-8am;
Institutional automatic toilet flushing systems will operate only during business hours;
All non-public hydrant use permits evaluated and approved only for health & safety reasons;
Ban ornamental uses;
Develop daily household consumption restrictions;
The Town Manager may authorize additional water use restrictions or bans to be enforced 10 days after public notification.

PHASE III: EMERGENCY WATER USE REDUCTION MEASURES FOR TARBORO

TRIGGERS

Whenever the manager finds that there is the potential for a water emergency situation to occur or exist or when the flow of the Tar River as measured by the USGS river gauge located in Tarboro falls below 40 cubic feet per second (cfs) for five (5) consecutive days, the Town Manager shall declare a water shortage emergency.

RESPONSE

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The Manager shall declare a **Water Shortage Emergency**;
In addition to the above measures the following measures will also be imposed;
Notify water use customers by any or all methods as previously outlined;
Ban all Class III non-essential use except as follows:
Ban all landscape irrigation (including golf course greens, school grounds, residential lawns);
Ban vehicle washing by vehicle sales dealerships;
Ban all non-public hydrant use;
Implement daily household consumption restrictions;
Ban topping off pools;
Request additional conservation from Class 1 (essential) users as may be possible; Develop water rationing plan;
Consider enacting advanced restriction pricing and/or surcharge with fines for overuse;
Limit garden irrigation to two days per week between 6pm to 8am by hand or drip irrigation only;
Ban all recreational use.
The Town Manager may authorize additional water use restrictions or bans to be enforced 10 days after public notification.

PHASE IV: CRISIS WATER USE REDUCTION MEASURES FOR TARBORO**TRIGGERS**

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Whenever the Town Manager finds that there is the potential for a water emergency situation to occur or exist or when the flow of the Tar River as measured by the USGS river gauge located in Tarboro falls below 30 cubic feet per second (cfs) for five (5) consecutive days, the manager shall declare a water shortage crisis.

RESPONSE

The Town Manager shall declare a **Water Shortage Crisis**;

In addition to the above measures the following measures will also be imposed:

Notify water use customers by any or all methods as previously outlined;

Ban all garden irrigation;

Flow to wholesale water customers will be reduced or eliminated as needed to meet demand;

Require additional conservation from Class 1 (essential) users as may be possible;

Reevaluate and consider additional advanced restriction pricing with fines for overuse;

Implement water rationing plan;

Implement daily household consumption restrictions.

All industrial and other large users required to follow Large Water User Restriction Guidelines set by the Town. The Town Manager may authorize additional water use restrictions or bans to be enforced 10 days after public notification.

PHASE V: TARBORO ENFORCEMENT PENALTIES

<u>Offense Phase I: Voluntary</u>		<u>Phase II: Mandatory</u>	<u>Phase III: Emergency</u>
First	Notice of Violation (NOV)	NOV and warning	\$50.00 Fine
Second	NOV	\$50.00 Fine	\$100.00 Fine
Third	NOV	\$100.00 Fine	\$250.00 Fine
Fourth	NOV	\$250.00 Fine	\$350.00 Fine
<u>Offense Phase I: Voluntary</u>		<u>Phase II: Mandatory</u>	<u>Phase III: Emergency</u>
More than	NOV	Water Service	Water Service Disconnection
(4) Offenses		Disconnection and	and Associated Reconnect
		Associated Reconnect	Fees
		Fees	

PHASE IV Enforcement Penalties Will Be Double the PHASE III Penalties.

VI: RETURN TO NORMAL OPERATIONS IN TARBORO

Phase conservation measures and restrictions will expire incrementally when the Town Manager, after consultation with the Public Works Director, finds that the water supply has returned to normal.

VII: EFFECTIVENESS

The effectiveness of the Tarboro 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.

VIII: PUBLIC COMMENT

This policy shall be adopted at a Tarboro Town Council Meeting with an opportunity for public comment.

IX: ENFORCEMENT

This policy will be enforced by the Town of Tarboro Police Department.

X: VARIANCES

The Town Manager will receive requests for variances and may grant them if in his sole discretion conditions are deemed to warrant a variance.

XI: REVISIONS

The Town Manager shall revise this plan at a minimum within 5 years of adoption and every 5 years thereafter or as needed.