

**WATER SHORTAGE RESPONSE PLAN (WSRP)
BLUE RIDGE WATER ASSOCIATION (BRWA)
(PWSID: 01-97-030)**

April 24, 2018

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.

I. AUTHORIZATION

The Blue Ridge WA Manager shall enact the following water shortage response provisions whenever the trigger conditions outlined in Section IV are met.

Mr. Greg Reavis
Blue Ridge WA Manager
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II. YEAR-ROUND WATER CONSERVATION POLICY IN C-MCWA

| Year Round Water Use Policy |
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| The Blue Ridge Water Association governing body encourages all municipally supplied water users to make efficient and responsible use of water at all times. |
| The Manager of Blue Ridge Water Association will keep in close contact with the administrators of both the Mulberry Fairplains Water Association and North Wilkesboro water systems for updates regarding drought conditions in their respective systems. When impending drought conditions arise the system Manager will increase monitoring of the respective pumps that tie the supplying systems to the Blue Ridge Water Association system. Weekly reports will be kept until conditions return to a standard level. |

| Public Education and Outreach Consists of the Following Activities | |
|---|--------------------------------|
| Independent Mailings to Major Users | Water Audits |
| Newspaper Ads | Bill Stuffers to All Customers |
| Radio Announcements | Signs & Posters |

III. BRWA WATER USE CLASSIFICATION

To aid in the realization of this Water Shortage Response plan water classes have been established.

CLASS I: ESSENTIAL POTABLE WATER USES FOR BLUE RIDGE WATER ASSOCIATION.

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|---------------------|--|
| Domestic | Water to sustain human and domestic pet life; maintain minimum standards of hygiene and sanitation |
| Patient Care | Patient Care and rehabilitation |
| Public Use | Firefighting and approved flushing of hydrants to ensure public health and safety |

CLASS II: SOCIALLY/ECONOMICALLY IMPORTANT POTABLE WATER USES FOR BLUE RIDGE WATER ASSOCIATION.

| | |
|----------------------|---|
| Domestic | Minimal use for kitchen, bathroom, and laundry; Minimal watering of vegetable gardens and trees to maintain them. |
| Public Use | 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, water by commercial nurseries at a minimum level, minimum amount required to maintain essential cooling operations |
| Agricultural | Minimum amount required maintaining crop livelihood, livestock, and related activities. |
| Industrial | Minimum use necessary to operate production facilities and maintain jobs. |
| Institutional | Efficient use by schools, churches, government facilities, and other institutional users |

CLASS III: NON-ESSENTIAL POTABLE WATER USES FOR BLUE RIDGE WATER ASSOCIATION.

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|-------------------|---|
| All | Ornamental uses (fountains, reflecting pools, artificial waterfalls, etc.); Residential lawn irrigation; Non-commercial washing of vehicles; Washdown of impervious surfaces. |
| 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

Blue Ridge WA is provided water solely by purchase from the Mulberry-Fairplains WA. When Mulberry-Fairplains WA declares a water shortage Blue Ridge WA is required to do so as well. During this time Blue Ridge WA Manager will stay in close contact with Mulberry-Fairplains WA and follow all their triggers.

When the following water supply thresholds (TRIGGERS) are reached, the Blue Ridge WA Manager will initiate the following STAGE(S).

STAGE I: VOLUNTARY WATER USE REDUCTION

| TRIGGERS |
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| Greater than 80% of the system's capacity is being used for 5 consecutive days within a 30-day period; Or System usage is greater than 80% of the respective contract limit for 5 consecutive days within a 30-day period. |
| RESPONSE |
| Begin the circulation of water use reduction education materials; The Blue Ridge WA Manager shall declare a Water Shortage Advisory ; Request voluntary conservation as outlined in the distributed education materials; Request Class-III non-essential water uses to be reevaluated and conserved. |

STAGE II: MANDATORY WATER USE REDUCTION MEASURES

| TRIGGERS |
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| Greater than 90% of the system's capacity is being used for 3 consecutive days within a 30-day period; Or System usage is greater than 90% of the respective contract limit for 3 consecutive days within a 30-day period. |
| RESPONSE |
| The Blue Ridge WA Manager shall declare a Water Shortage Alert ; In addition to the previous measures the following will also be imposed: All voluntary measures become mandatory in addition to the following measures; Enforce a system-wide 25% water use reduction goal; Notify water use customers by any or all methods as previously mentioned; Ban all no-commercial pressure washing and Washdown of impervious surfaces; Ban ornamental uses; Blue Ridge WA Manager may choose to carry out additional water use restrictions and/or bans to be enforced 7 days after public notification. |

STAGE III: EMERGENCY WATER USE REDUCTION MEASURES

| TRIGGERS |
|---|
| Greater than 95% of the system’s capacity is being used for 2 consecutive days within a 30-day period; Or System usage is greater than 95% of the respective contract limit for 2 consecutive days within a 30-day period. |
| RESPONSE |
| <p>The Blue Ridge WA Manager shall declare a Water Shortage Emergency; In addition to the previous measures the following will also be imposed: Notify water users by any and all methods as previously outlined; Ban Class-III non-essential uses; Request additional conservation from Class I (essential) users as may be possible; Limit garden irrigation to three days per week between 6pm to 8am; Ban all landscaping irrigation (including golf course greens, school grounds, residential lawns, etc.); Ban all recreational use. Blue Ridge WA Manager may choose to carry out additional water use restrictions and/or bans to be enforced 3 days after public notification.</p> |

RETURN TO NORMAL

When water shortage conditions have abated and system use is returning to normal, water conservation measure employed during each phase should be rescinded in reverse order of their implementation. Permanent measure directed towards long-term monitoring and conservation should be implemented or continued so that the community will be in a better position to prevent shortages and respond to recurring water shortage conditions.

V. BRWA ENFORCEMENT PENALTIES

Enforcement of mandatory conservation and associated fines will be the responsibility of the Blue Ridge WA Manager, or agent designated by the Water Association Manager.

| OFFENSE | Phase I: VOLUNTARY | Phase II: MANDATORY | Phase III: EMERGENCY |
|----------------------|---------------------------|---|---|
| FIRST | Notice of Violation (NOV) | NOV and \$50 Fine | NOV and \$100 Fine |
| SECOND | NOV | \$100 Fine | \$200 Fine |
| THIRD | NOV | \$200 Fine | Service Disconnection & Associated Reconnect Fees |
| MORE THAN 3 OFFENSES | NOV | Service Disconnection & Associated Reconnect Fees | |

VI. PUBLIC COMMENT

Customers will have multiple opportunities to comment on the provisions of the water shortage response plan. First, a draft will be made available at the WA office for customers to view. A notice will be included in customer water bill notifying them of such. All subsequent revisions to the draft plan will be published at least 30 days prior to an adaption vote by Blue Ridge WA’s board.

VII. BRWA VARIANCE PROTOCOLS

Applications for water use variance requests are available from the Blue Ridge WA office. All applications must be submitted to the Blue Ridge WA office for review by the Blue Ridge WA Manager, or agent designated by the Blue Ridge WA Manager. 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.

VIII. EFFECTIVENESS

The Effectiveness of the Blue Ridge WA 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.

IX. BRWA 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 shortage response planning work group will review procedures following each emergency or rationing stage to recommend any necessary improvements to the plan to Blue Ridge WA's Board. The Blue Ridge WA Manager is responsible for initialing all subsequent revisions.