

## SECTION H. WATER CONSERVATION AND DROUGHT CONTINGENCY PLAN

- **Introduction.** Winkler Water Supply Corporation (Corporation) purchases raw water from Tarrant Regional Water District (TRWD). According to the terms of the purchase contract with TRWD (Agreement), Corporation agrees to cooperate with TRWD in its efforts to promote practices, techniques and technologies that will reduce the per capita consumption of water, reduce the loss or waste of water, or improve the efficiency in use of water or increase the recycling and reuse of water. Per the Agreement, TRWD's obligation to sell water to Corporation is subject to Corporation preparing and implementing a water conservation plan or water conservation measures, as well as any water conservation plans and drought contingency plans adopted by TRWD and required or approved by the Texas Commission for Environmental Quality (TCEQ), the Texas Water Development Board (TWDB), or any other federal, state, or local regulatory authority with power to require or approve water conservation and drought contingency plans. Furthermore, the Corporation agrees to submit its water conservation plan or water conservation measures to TRWD for its review and approval.
  - In May 2019, TRWD approved its TRWD Water Conservation and Drought Contingency Plan. To remain in compliance with the terms of the Agreement, the Corporation's Board of Directors adopted the Winkler Water Supply Corporation Water Conservation and Drought Contingency Plan (Plan) at its June 18, 2019 regular meeting.
  
- **Initiation and Termination of Drought Response Stages and Measures.** Each time TRWD notifies the Corporation that it has initiated, modified or terminated various stages of the TRWD Water Conservation and Drought Contingency Plan, Corporation will mail notices to its members/customers informing them of the water restrictions and why the restrictions are being initiated, modified or terminated.
  - **Stage 1: Water Watch - Goal for Use Reduction**
    - The goal for water use reduction under Stage 1: Water Watch is to decrease use by 5 percent.
    - The Corporation will implement Stage 1: Water Watch of its Plan as soon as it receives notification from TRWD that it has implemented Stage 1: Water Watch of the TRWD Water Conservation and Drought Contingency Plan.
  
  - **Stage 1: Water Watch- All Water Users**
    - Maximum of twice per week watering for hose-end sprinklers and automatic irrigation systems based on odd/even addresses and day of week schedule.

○ Outdoor Watering Schedule:

Monday	No Outdoor Watering	Water System Recovery Day
Tuesday and Friday	Non-Residential Sites	Apartments, Parks, Common Areas, HOA's, Businesses
Wednesday and Saturday	Residential Addresses Ending in Even Numbers	0, 2, 4, 6, 8
Thursday and Sunday	Residential Addresses Ending in Odd Numbers	1, 3, 5, 7, 9

○ Exceptions:

- Watering with a handheld hose, soaker hose or drip irrigation may occur any day and any time.
- Watering of trees and structural foundations may occur any day and any time by means of handheld hose, soaker hose, or drip irrigation.
- The use of water necessary to protect the health, safety, or welfare of the public.
- Water use necessary for the repair of an irrigation system, plumbing line, fountain, etc. in the presence of person making repair.

○ Variances may be available from the Corporation for the following:

- Establishing new turfgrass and/or landscaping. Variances granted for establishing new turfgrass or landscaping will be for a maximum of 30 days from the date of approval then maximum of twice per week watering schedule applies.
- Variances do not apply to the installation (over-seeding) of cool season grasses.
- Outdoor watering at addresses with large multi-station irrigation systems may take place in accordance with a variance granted by the Corporation, if the Corporation determines that a property cannot be completely irrigated under the twice per week schedule. Under such variance, no irrigation station will be allowed to water more than twice per week.
- Areas open to the public and have high-impact from frequent use may be allowed additional watering with a variance granted by the Corporation if it is deemed to be beneficial to serve and protect the community facility or amenity.

○ Restrictions do not apply to locations using well water, reclaimed water, or other alternative water sources.

○ No watering with hose-end sprinklers and/or automatic spray irrigation systems between the hours of 10 a.m. and 6 p.m.

○ Prohibit using water in such a manner as to allow runoff or other waste, including:

- failure to repair a controllable leak, including, broken sprinkler heads, leaking valves, leaking or broken pipes or faucets;
  - operating an irrigation system with:
    - a broken head;
    - a head that is out of adjustment and spraying into the street, parking area, or sidewalk;
    - a system that is misting/fogging due to excessive water pressure; or
  - allowing any water to:
    - run off property forming a stream of water for a distance of 50 feet or greater;
    - run into a storm drain; or
    - pond to a depth of ¼ inch or greater; or
  - allowing or causing an irrigation system or other lawn watering device to operate during any form of precipitation or when temperatures are at or below 32 degrees Fahrenheit.
- All users are encouraged to use native and adapted drought tolerant plants in landscaping.
  - Discourage hosing of paved areas.
  - Discourage hosing of buildings or other structures for purposes other than fire protection or surface preparation prior to painting or maintenance.
  - Washing of any motor vehicle, motorbike, boat, trailer, airplane, or other vehicle shall be limited to the use of a hand-held bucket or a hand-held hose equipped with a positive-pressure shutoff nozzle for quick rinses. Vehicle washing may be done at any time on the premises of a commercial car wash or commercial service station. Companies with automated on-site vehicle washing facilities may wash its vehicles at any time.
  - Discourage the filling, draining, or refilling of swimming pools, wading pools, hot tubs and Jacuzzi type pools except to maintain adequate water levels for structural integrity, proper operation and maintenance, and/or to alleviate an issue that poses a public safety risk.
- **Stage 1: Water Watch - Commercial or Industrial Users**
    - All actions listed above for all water users apply to commercial and industrial users.
    - Landscape watering of parks, golf courses and athletic fields is restricted to the twice per week watering schedule; or twice per week per irrigation station if a variance is granted by the water provider. (See exceptions to outdoor watering restrictions in all water users category above for facilities with large multi-station irrigation systems.)

- Exceptions:
  - Golf courses may water greens and tee boxes as necessary, however, use of spray irrigation may not be done between 10 a.m. and 6 p.m. Encouraged to reduce water use by 5 percent.
  - Watering of athletic fields (field only, does not include surrounding landscaped areas) used for organized sports practice, competition, or exhibition events may occur as necessary to protect the health and safety of the players, staff, or officials present for athletic events. Encouraged to reduce water use by 5 five percent.
  - Stock at commercial plant nurseries is exempt from STAGE 1 watering restrictions.
  - Hotels, restaurants, and bars are encouraged to serve drinking water to patrons per request only.
  - Hotels are encouraged to implement laundry conservation measures by encouraging patrons to reuse linens and towels.
  - Car wash facilities must keep equipment in good working order, which should include regular inspections to be sure there are no leaks, broken or misdirected nozzles, and that all equipment is operating efficiently.
  - All commercial and industrial customers are encouraged to audit irrigation systems to ensure proper condition, settings, and operation. If irrigation audit or repair occurs during restricted watering times or days, a sign indicating such work is taking place must be placed in public view until job is completed.
- **Stage 2: Water Warning - Goal for Use Reduction**
  - The goal for water use reduction under Stage 2: Water Warning is to decrease use by 10 percent.
  - If circumstances warrant, the General Manager of TRWD can set a goal for greater water use reduction.
  - When Corporation receives notice of this action, it will mail notices to its members/customers informing them of TRWD's goal for greater water use reduction.
- **Stage 2: Water Warning - Water Use Reduction Actions**
  - The Corporation will implement Stage 2: Water Warning of its Plan as soon as it receives notification that TRWD has implemented Stage 2: Water Warning of the TRWD Water Conservation and Drought Contingency Plan.
- **Stage 2: Water Warning - All Water User**
  - Continue actions under Stage 1
  - Maximum of once per week watering for hose-end sprinklers and automatic irrigation systems at each service address

- Exceptions:
  - Watering with a handheld hose, soaker hose or drip irrigation may occur any day and any time.
  - Watering of trees and structural foundations may occur any day and any time by means of handheld hose, soaker hose, or drip irrigation.
  
- Variances may be available through the Corporation for the following:
  - All users are encouraged to wait until the current drought or emergency situation has passed before establishing new landscaping.
  - Variances granted for establishing new turfgrass or landscaping will be for a maximum of 30 days from the date of approval then maximum of once per-week watering schedule applies.
  - Variances do not apply to the installation (over-seeding) of cool season grasses.
  - Outdoor watering at addresses with large multi-station irrigation systems may take place in accordance with a variance granted by the Corporation, if the Corporation determines that a property cannot be completely irrigated under the once per week schedule. Under such variance, no irrigation station will be allowed to water more than once per week.
  - Areas open to the public and have high-impact from frequent use may be allowed additional watering with a variance granted by the Corporation if it is deemed to be beneficial to serve and protect the community facility or amenity.
  
- Restrictions do not apply to well water, reclaimed water, or other alternative water sources.
  
- Encourage the use of covers for all types of pools, hot tubs, and Jacuzzi type pools when not in use.
  
- **Stage 2: Water Warning - Commercial or Industrial Users**
  - All actions listed above for all water users apply to commercial and industrial users.
  - Landscape watering of municipal parks, golf courses and athletic fields is restricted to a once-per-week schedule; or once-per-week per irrigation station if a variance is granted by the water provider. (See Stage 1 exceptions to outdoor watering restrictions in all water users category for rules that apply to facilities with large multi-station irrigation systems.)
  
  - Exceptions:
    - Golf courses may water greens and tee boxes as necessary, however, use of spray irrigation may not be done between 10 a.m. and 6 p.m. Encouraged to reduce water use by 10 percent.
    - Watering of athletic fields (field only, does not include surrounding landscaped areas) used for organized sports practice, competition, or

exhibition events may occur as necessary to protect the health and safety of the players, staff, or officials present for athletic events. Encouraged to reduce water use by 10 percent.

- **Stage 3: Water Emergency - Goal for Use Reduction**
  - The goal for water use reduction under STAGE 3: WATER EMERGENCY is to decrease use by 20 percent.
  
- **Stage 3: Water Emergency - Water Use Restrictions**
  - The Corporation will implement STAGE THREE: WATER EMERGENCY of its Plan as soon as it receives notification that TRWD has implemented STAGE THREE: WATER EMERGENCY of the TRWD Water Conservation and Drought Contingency Plan.
  
  - Measures imposing mandatory requirements on customers require notification to TCEQ. Corporation must notify TCEQ within 5 business days if these measures are implemented.
  
- **Stage 3: Water Emergency - All Water Users**
  - Continue actions under STAGES 1 and 2
  
  - Prohibit all outdoor watering with hose-end sprinklers and automatic irrigation systems, including at parks, golf courses, and sports fields.
  
  - Exceptions:
    - Watering with hand-held hose, soaker hose or drip irrigation system may occur any day and any time.
    - Watering of trees and structural foundations may occur any day and any time by means of handheld hose, soaker hose, or drip irrigation.
    - Restrictions do not apply to well water, reclaimed water, or other alternative water sources.
  
  - Irrigation of new landscapes and/or turfgrass installations is prohibited by means of automatic irrigation system or hose-end sprinkler. Variances may be granted for those landscape projects started prior to the initiation of STAGE 3 drought restrictions. However, variances will not be granted for the irrigation of new landscape and/or turfgrass installations after the initiation of STAGE 3 drought restrictions.
  
  - Prohibit washing of paved areas by any means except where a variance is granted to alleviate a possible public health and safety risk. Any pressure/power washing activities must be performed by a professional pressure/power washing service provider utilizing high efficiency equipment and a vacuum recovery system where possible.

- Prohibit hosing of buildings or other structures for purposes other than fire protection or surface preparation prior to painting with high-pressure equipment. Services must be performed by a professional pressure/power washing service provider utilizing high efficiency equipment and a vacuum recovery system where possible.
- Vehicle washing is restricted to commercial car washes, commercial service stations, or professional washing services only. This includes home and charity car washing. The washing of garbage trucks and vehicles used to transport food and/or other perishables may take place as necessary for health, sanitation, or public safety reasons.
- Prohibit permitting of private pools. Pools already permitted may be completed and filled. Existing private and public pools may add water to maintain pool levels, but may not be drained and refilled
- **Stage 3: Water Emergency - Commercial or Industrial Users**
  - Continue actions under STAGES 1 and 2
  - All actions listed above for all water users apply to commercial and industrial users.
  - Prohibit all outdoor watering with hose-end sprinklers and automatic irrigation systems, including at parks, golf courses, and sports fields.
  - Exceptions:
    - Golf course greens and tee boxes may be watered by hand, as necessary.
    - Variances may be available for watering of athletic fields (field only, does not include surrounding landscaped areas) used for organized sports practice, competition, or exhibition events to protect the health and safety of the players, staff, or officials present for the athletic event.
    - Professional and college sports fields (playing fields with a stadium only - not surrounding landscaping) may be watered as necessary to maintain league standards.
  - Require hotels to implement laundry conservation measures by encouraging patrons to reuse linens and towels.
  - Require hotels, restaurant, and bars to serve drinking water to patrons on an "on demand" basis.
  - Stock at commercial plant nursery may be watered by hand only with a handheld hose, hand-held watering can, soaker hose, or drip irrigation system.
  - Commercial and industrial water users may be required to reduce water use by a

set percentage as determined by the amount required by TRWD.

- **Procedure for Granting Variances to the Plan**
  - Corporation may grant temporary variances for existing water uses otherwise prohibited under this drought contingency plan to a customer if one or more of the following conditions are met:
    - Failure to grant such a variance would cause an emergency condition adversely affecting health, sanitation, or fire safety for the public or the person requesting the variance.
    - Compliance with this Plan cannot be accomplished due to technical or other limitations.
    - Alternative methods that achieve the same level of reduction in water use can be implemented.
  - Variances shall be granted or denied at the discretion of Corporation. All petitions for variances should be in writing and should include the following information:
    - Name and address of petitioner(s)
    - Purpose of water use
    - Specific provisions from which relief is requested
    - Detailed statement of the adverse effect of the provision from which relief is requested
    - Description of the relief requested
    - Period of time for which the variance is sought
    - Alternative measures that will be taken to reduce water use
    - Other pertinent information
- **Procedure for Enforcing Mandatory Water Restrictions.** Mandatory water use restrictions may be imposed in STAGE 1, STAGE 2, and STAGE 3 drought stages. These mandatory water use restrictions will be enforced by warnings and penalties as follows:
  - **First Violation** - The customer will be given a written warning that they have violated one or more of the mandatory water use restrictions.
  - **Second and Subsequent Violations** - The customer will be issued a written notification that they will be reported to the Tarrant Regional Water District, who may then decide to publish the name and contact numbers of any entity in violation of this water conservation and drought contingency plan in the local media and on its web site.

**\*\*\*These provisions apply to all customers/members of the Corporation.\*\*\***



<b>Term</b>	<b>Definition</b>
Aesthetic Water Use	Water use for ornamental or decorative features, such as fountains, reflecting pools, and water gardens.
Alternative Water Source	Water produced by a source other than a water treatment plant and is not considered potable. These sources can include, but are not limited to: reclaimed/recycled water, collected rain water, collected grey water, private well water.
Athletic Field	A sports playing field, the essential feature of which is turf grass, used primarily for organized sports for schools, professional sports, or sanctioned league play.
Automatic Irrigation System	A site specific system of delivering water generally for landscaping via a system of pipes or other conduits installed below ground that automatically cycles water use through water emitters to a preset program, whether on a designated timer or through manual operation.
Aquatic Life	A vertebrate organism dependent upon an aquatic environment to sustain its life.
Conservation	Those practices, techniques, and technologies that reduce water consumption; reduce the loss or waste of water; improve the efficiency in water use; and increase the recycling and reuse of water so that supply is conserved and made available for other or future uses.
Customer	Any person, company, or organization using water supplied by TRWD or through an entity supplied by TRWD.
Drip Irrigation	An irrigation system (drip, porous pipe, etc.) that applies water at a predetermined controlled low-flow levels directly to the roots of the plant
Drought Contingency Plan	A strategy or combination of strategies for temporary supply management and demand management responses to temporary or potentially recurring water supply shortages and other water supply emergencies.
Fountain	An artificially created jet, stream or flow of water, a structure, often decorative, from which a jet, stream or flow of water issues.
Golf Course	An irrigated and landscaped playing area made up of greens, tees, fairways, roughs and related areas used for the playing of golf.
Hand Held Hose	A hose physically held by one person, fitted with a manual or automatic shutoff nozzle.
Hose-end Sprinkler	A device through which water flows from a hose to a sprinkler to water any lawn or landscape.

Hosing	To spray, water, or wash with a water hose.
Irrigation System	A system of fixed pipes and water emitters that apply water to landscape plants or turf grass, including, but not limited to: in-ground and permanent irrigation systems.
Lake, Lagoon, or Pond	Artificially created body of fresh or salt water.
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, right-of-ways, medians and entry ways.
New Landscape	A landscape: <ul style="list-style-type: none"> <li>● Installed during construction of a new house, multi-family dwelling, or commercial building;</li> <li>● Installed as part of a governmental entity's capital improvement project; or</li> <li>● Alters more than one-third the area of an existing landscape.</li> </ul>
Non-Essential Water Use	Water uses that are not required for the protection of public health, safety and welfare, such as: <ul style="list-style-type: none"> <li>● Irrigating landscape areas, including parks, athletic fields, and golf courses, except as otherwise provided under this plan;</li> <li>● Washing any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas; except to alleviate a public health and safety issue;</li> <li>● Washing any automobile, motorbike, boat (and/or trailer), airplane, or other vehicle except where required by law for safety and sanitary purposes.</li> <li>● Washing buildings or structures for purposes other than immediate fire protection, or other uses provided under this plan;</li> <li>● Filling, refilling, or adding to any swimming pools or Jacuzzi-type pools, except to maintain safe operating levels;</li> <li>● Filling or operation of a fountain or pond for aesthetic or scenic purposes except when necessary to support aquatic life;</li> <li>● Failure to repair a controllable leak within a reasonable time period after being directed to do so by formal notice; and</li> <li>● Drawing from hydrants for construction purposes or any other purpose other than firefighting or protection of public drinking water supplies.</li> </ul>

Park	A non-residential or multifamily tract of land, other than a golf course, maintained by a city, private organization, or individual, as a place of beauty or public recreation and available for use to the general public.
Power Pressure Washer	A machine that uses water or a water-based product applied at high pressure to clean impervious surfaces.
Power/Pressure Washer (High Efficiency)	A machine that uses water or a water-based product applied at 1500 pounds per square inch (PSI) or greater.
Reclaimed Water	Municipal wastewater effluent that is given additional treatment and distributed for reuse in certain applications. Also referred to as recycled water.
Soaker Hose	A flexible hose that is designed to slowly emit water across the entire length and connect directly to a flexible hose or spigot. Does not include hose that by design or use sends a fine spray in the air. It is not considered drip irrigation.
Structural Foundation	The lowest and supporting layer of a structure.
Swimming Pool	Any structure, basin, chamber, or tank (including hot tubs) containing an artificial body of water for swimming, diving, or recreational bathing, and having a depth of two (2) feet or more at any point.
Well Water	Water that has been, or is, obtained from the ground by digging, boring, or drilling to access an underground aquifer.