



**BS/EACD
USER DROUGHT CONTINGENCY PLAN (UDCP)**

for

Ruby Ranch Water Supply Corporation

INTRODUCTION

This UDCP will enable Ruby Ranch Water Supply Corporation to manage its water system and water resources in a conscientious, fair, and appropriate manner during certain situations when water use reductions are necessary. It is not designed to punish, stigmatize, or criticize anyone about their usage of water. Its sole intent is to maintain an adequate supply of water during the various stages of drought conditions or other water supply emergencies, which may occur from time to time.

Ruby Ranch Water Supply Corporation believes that significant reductions in water usage can be achieved through drought triggered water use restrictions and voluntary efforts by end-users. Implementation of voluntary water conservation measures and conscientious water use practices are encouraged at all times; however, additional water use restrictions are required in cases of extreme drought, periods of abnormally high usage, system contamination, or extended reduction in ability to supply water due to equipment failure. During drought, these efforts, if sufficiently effective, may delay the depletion of spring flows at Barton Springs and aquifer water levels until sufficient recharge is available to replenish the Aquifer. Should drought conditions reach more severe levels, Ruby Ranch Water Supply Corporation has planned and is prepared to restrict or curtail certain types of usage.

SECTION 1 Declaration of Policy, Purpose, and Intent

Ruby Ranch Water Supply Corporation in its continuing effort to maintain an adequate supply of high quality water has prepared this UDCP with the guidance of the Barton Springs/Edwards Aquifer Conservation District (District). In order to maintain supply, storage, or pressure; or to comply with regulatory requirements, temporary restrictions may be instituted to limit non-essential water usage. This UDCP satisfies and complies with District Rules 3-7.5 and 3-7.7 related to Drought Management.

I, Dale Olmstead, being the responsible official for Ruby Ranch Water Supply Corporation agree to comply with all the applicable District Rules and the measures of the enclosed User Drought Contingency Plan, and to officially adopt the enclosed plan through the appropriate vehicle (i.e. ordinance, TCEQ tariff amendment, policy amendment, etc.)

(Signature)

(Date)

SECTION 2 Public Involvement

Opportunity for the public to provide input into the preparation of the Plan was provided by:
(Check at least one of the following)

Scheduling and providing public notice of a public meeting to accept input on the Plan.

The meeting took place at: Date: 4/5/2011 Time: 7 pm Location: 100 Creekside Drive, Buda, TX

Mailed survey with summary of results (**attach survey and results**)

Bill insert inviting comment (**attach bill insert**)

Other method _____

SECTION 3 Public Education

The Ruby Ranch Water Supply Corporation will periodically provide the public with information about the Plan, including information about the conditions under which each stage of the Plan is to be initiated or terminated, and the drought response measures to be implemented in each stage. The utility will also provide to the District copies of all public education information provided to customers.

Drought plan information will be provided by: (check at least one of the following)

public meeting

press releases

utility bill inserts

other _____

SECTION 4 Coordination with Regional Water Planning Groups

The service area of the Ruby Ranch Water Supply Corporation is located within Regional Water Planning Group K. Ruby Ranch Water Supply Corporation has mailed a copy of this Plan to the RWPG.

SECTION 5 Notice Requirements

The District will notify permittees of the implementation or termination of each stage of the water restriction program. Permittees must then provide notice to each customer by a special mailing or hand delivery prior to implementation or termination of each stage of the water restriction program. Notice of the District declaration must be provided at least 72 hours prior to the start of water use restrictions. If notice is hand delivered, the utility cannot enforce the provisions of the plan for 24 hours after notice is provided. The written notice to customers will contain the following information:

1. the date restrictions will begin
2. the circumstances that triggered the restrictions
3. the stages of response and explanation of the restrictions to be implemented and
4. an explanation of the consequences for violations.

Prior to implementing a District-declared Drought Stage or Emergency Response Period, the utility must notify the TCEQ by telephone at (512)239-4691 or by electronic mail at watermon@tceq.state.tx.us and must notify in writing the District and the Public Drinking Water Section at MC - 155, P.O. Box 13087, Austin, Texas 78711-3087 within five (5) working days of implementation. This notification must include a copy of the utility's restriction notice. The utility must file a status report of its restriction program with the TCEQ at the initiation and termination of mandatory water use restrictions.

SECTION 6 Enforcement Procedure & Plan Adoption

The UDCP must include a means of implementation and enforcement in accordance with District Rule 3-7.5(E). Specifically, each permittee must: 1) develop and implement procedures for enforcing this UDCP; 2) incorporate all enforcement measures and surcharges available to CCN holders under TCEQ rules; and 3) inform system end-users of the authority and intent to enforce the measures of the UDCP.

Provide a check mark here to indicate compliance with all of the above requirements.

SECTION 7 Exemptions or Variances

The utility may grant any customer an exemption or variance from the UDCP for good cause **upon written request**. If such a request may cause a District permittee to violate the provisions of District Rule 3-7.7, a permittee may request a variance to the this rule in accordance with District Rule 3-7.10. A customer who is refused an exemption or variance by a utility may appeal such action of the utility in writing to the TCEQ. The utility will treat all customers equally concerning exemptions and variances, and shall not discriminate in granting exemptions and variances. No exemption or variance shall be retroactive or otherwise justify any violation of this Plan occurring prior to the issuance of the variance.

SECTION 8 Drought Stage Triggers

Water Supply Contamination or System Outage: In the event of system supply contamination or system outage, the permittee shall implement the response measures of **Exceptional Stage Drought**.

Demand Based Triggers: *(check at least one and fill in the appropriate values)*

<u>Trigger</u>	<u>Alarm</u>	<u>Critical</u>	<u>Exceptional</u>
<input checked="" type="checkbox"/> Percent of drinking water treatment capacity reaches:	<u>85</u> %	<u>90</u> %	<u>95</u> %
<input type="checkbox"/> Total daily demand as % of pumping capacity _____	_____ %	_____ %	_____ %
<input type="checkbox"/> Total daily demand as % of storage capacity _____	_____ %	_____ %	_____ %
<input type="checkbox"/> Pump hours per day _____	_____ hrs	_____ hrs	_____ hrs
<input type="checkbox"/> Production or distribution limitations			
<input type="checkbox"/> Other _____			

Supply Based Triggers: Upon notification of a Drought Stage declaration by the District, Ruby Ranch Water Supply Corporation will activate the respective response measures of its UDCP.

SECTION 9 Alternate Water Source:

Identify an alternate water source to be utilized directly by the utility to manage limited water supplies in the event of **water supply contamination, system outage or conditional permitting curtailments**. The alternate supply shall be evidenced by documentation (contracts, affidavits, etc.) that demonstrates its availability when needed.

The alternate water source for Ruby Ranch Water Supply Corporation is: hauled water (NOTE – increased pumpage of Trinity water is an alternate source option, assuming that the need for an alternate source is not driven by problems with or failure of the RRWSC Trinity [# 5] well).

Documentation that the availability of the alternate supply source has been submitted to the District.

NOTE: RRWSC's requested new total permit volume of 52.3 million gallons per year equates to a continuous pumping rate of 100 GPM. The pumping test conducted on its new (#5) Middle Trinity well indicates that this well can readily meet this rate/volume in the event that all of RRWSC's Edwards wells (# 1-4) should go out of service. However the "alternate" source may exceed TCEQ's Secondary Water Quality Standards for TDS and sulfates.

SECTION 10 Water Conservation Period and Drought Stage (I through IV) Responses:

Ruby Ranch Water Supply Corporation will perform the actions specified below and in the attached tables as an integral part of the UDCP.

No Drought Status – Ruby Ranch Water Supply Corporation will:

- implement the measures of the adopted User Conservation Plan (UCP) at all times;
- implement the applicable measures outlined in this plan during the Water Conservation Period;
- interface with the District and provide timely information on water levels and water quality, and pumpage demands; and
- conduct a Leak Detection Survey and repair all identified leaks. End-users are required to notify the Public Water Supply of any known or observed leaks. This program will be an ongoing effort by the Public Water Supply.

Water Conservation Period and Drought Stage (I through IV) Responses

I. Water Conservation Period

This period will be in effect between May 1 and September 30 every year when not already in a declared drought period. Ruby Ranch Water Supply Corporation will be expected to follow voluntary water use measures during this Water Conservation Period (I). This status will be prominently noted on the next regular billing cycle but not more than 20 days following May 1.

Goal: Voluntary overall 10% monthly reduction.

User Recommended Actions:

Indoor

- Check for toilet and faucet leaks and repair any found leaks immediately.
- Use water displacement device in toilet tank or replace older model toilets with HET models when possible.
- Install aerators on faucets.
- While waiting for hot water to reach faucet, catch cold water in a container to be reused.
- Don't leave faucets running when not in use.
- Never use the toilet to dispose of trash.
- Only run dishwasher with full load.
- Keep drinking water in a container in the refrigerator.
- Reduce use of garbage disposal.
- Wash only full loads of laundry.
- Turn off master water shutoff when out of town or on vacation.
- Draw less water for bath or reduce shower time.
- Do not over water houseplants.

Outdoor

- Comply with 5-day schedule for lawn watering and always only before 10am and after 7pm.
- For Automatic Sprinkler systems:
 - check sprinkler heads regularly to prevent clogging
 - adjust to eliminate overspray and
 - adjust run times and frequency monthly to respond to water schedules and changing rainfall and temperature conditions.
- Use hand held hose, drip irrigation, or soaker hoses for trees, garden, non-turf areas and bedded plants.
- Avoid watering on windy days.
- Cut lawns on highest setting and leave lawn clippings on lawn instead of bagging.
- For hose-end sprinklers - use sprinkler timers to limit water duration.
- Use mulch to conserve soil moisture.
- Limit vehicle washing except when conducted with a bucket or hand-held hose with an automatic shutoff device during designated watering days and times (if possible, use a commercial car wash that recycles water).
- Wash vehicles over lawn areas where possible.
- Vehicle wash fundraisers should be conducted at a commercial vehicle wash facility using such facilities equipment.
- Keep pools covered when not in use.
- Limit pool filter backwashing to only when necessary.
- No washing of driveways, sidewalks, or streets.
- Utilize supplemental water sources where possible (e.g. purchased water, collected rainwater, etc.).
- Utilize water reuse where possible.

Utility Recommended Actions:

- Utility employees and system operators should regularly monitor the service area for occurrences of waste.
- Visually inspect lines and repair leaks on a regular basis.
- Place yard signs and/or posters in visible places within the service area to remind users of the Water Conservation Period (I).
- Include historic water use and customer water use comparisons in customer billings.
- Include on each water bill a conspicuous reminder of "Water Conservation Period" and a link to the District's web site.

Penalties or Consequences:

- Notices for waste and/or for monthly consumption in excess of 35,000 gallons/connection.

II. Alarm Stage Drought

Upon notification by the Barton Springs/ Edwards Aquifer Conservation District that the District has declared the aquifer to be in an **Alarm Stage II Drought**, Ruby Ranch Water Supply Corporation will activate the **Alarm Stage II** measures of its UDCP.

Requirement: Mandatory overall minimum 20% monthly reduction plus additional curtailments as directed by District Rules.

User/Utility Recommended Actions:

- Continued measures of User Conservation Plan and “Recommended Actions” of the Water Conservation Period (I).

User Mandatory Actions:

- Maximum allowable monthly consumption of the greater of 12,000 gallons/connection or 4,000 gallons/capita.
- Irrigation of lawn areas with hose-end sprinklers or automatic irrigation systems shall comply with a 5-day watering schedule with watering allowed only before 8am and after 8pm or at anytime if it is by means of a soaker hoses, drip irrigation system, hand-held hose, a faucet-filled bucket or watering can of five (5) gallons or less.
- Use hand held hose, drip irrigation, or soaker hoses for trees, garden, non-turf areas and bedded plants during designated water days and times.
- Use of soaker hoses for foundation protection shall be limited to designated water days and times
- Vehicle washing shall be prohibited except when conducted with a bucket or hand-held hose with an automatic shutoff device during designated watering days and times (if possible, use a commercial car wash that recycles water).
- Filling or refilling of pools is prohibited. Topping off of existing pools for essential maintenance purposes is permitted only during designated watering days and times.
- Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life or where such fountains or ponds are equipped with a recirculation system.
- The following uses of water are defined as nonessential and are prohibited:
 - wash down of any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
 - use of water to wash down buildings or structures for purposes other than immediate fire protection;
 - use of water for dust control;
 - flushing gutters or permitting water to run or accumulate in any gutter or street;
 - failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s); and
 - any waste of water.

Utility Mandatory Actions:

- Implementation of Alarm Stage (II) water rates.
- Utility system operators shall regularly monitor the service area for occurrences of waste and UDCP violations.
- Conduct a monthly Leak Detection Survey and immediately repair all identified leaks in the system.
- Place yard signs and/or posters in visible places within the service area to remind users of the “Alarm Stage (II) Drought”.
- Include historic water use and customer water use comparisons in customer billings.
- Include on each water bill a conspicuous reminder of “Alarm Stage Drought” and a link to the District’s drought poster.
- Flushing is prohibited except for dead end mains.

Penalties or Consequences:

- Warnings for 1st occurrence of waste, UDCP violations, excessive monthly consumption, or proscribed use (greater than 30,000 gallons/month).
- Assessment of surcharges and fines for continued waste, UDCP violations, excessive monthly consumption, or proscribed use (*if applicable*).
- Possible installation of flow restrictors on connections with continued waste, UDCP violations, excessive monthly consumption, or proscribed use.
- Possible service cutoff & reconnection fee on connections with continued waste, UDCP violations, or excessive consumption.

III. Critical Stage Drought

Upon notification by the Barton Springs/ Edwards Aquifer Conservation District that the District has declared the aquifer to be in a **Critical Stage (III) Drought**, Ruby Ranch Water Supply Corporation will activate the **Critical Stage (III)** measures of its UDCP.

Requirement: Mandatory overall minimum 30% monthly reduction plus additional curtailments as directed by District Rules.

User/Utility Recommended Actions:

- Continued measures of User Conservation Plan and “Recommended Actions” of the Water Conservation Period (I).

User Mandatory Actions:

- Users shall continue compliance with the mandatory actions of Alarm Stage (II) Drought.
- Maximum allowable monthly consumption of the greater of 9,000 gallons/connection or 3,000 gallons/capita.
- Irrigation of lawn and landscaped areas by automatic sprinkler systems and hose-end sprinklers is prohibited. Watering is permitted only by hand-held hoses with automatic shutoff devices during designated water days and times.
- All vehicle washing is prohibited.

Utility Mandatory Actions:

- Implementation of Critical Stage (III) water rates.
- Utility shall continue compliance with mandatory actions of Alarm Stage (II) Drought.
- Conduct a weekly Leak Detection Survey and repair all identified leaks in the system.
- Place yard signs and/or posters in visible places within the service area to remind users of the “Critical Stage (III) Drought”.
- Flushing is prohibited except for dead end mains and only between the hours of 9pm and 3am.

Penalties or Consequences:

- Warnings for 1st occurrence of waste, UDCP violations, excessive monthly consumption, or proscribed use (greater than 20,000 gallons/month).
- Assessment of surcharges and fines for continued waste, UDCP violations, excessive monthly consumption, or proscribed use (*if applicable*).
- Possible installation of flow restrictors on connections with continued waste, UDCP violations, excessive monthly consumption, or proscribed use.
- Possible service cutoff & reconnection fee on connections with continued waste, UDCP violations, or excessive consumption.

IV. Exceptional Stage Drought

(Applicable only to Permitted Pumpage from the Freshwater Edwards Management Zones)

Upon notification by the Barton Springs/ Edwards Aquifer Conservation District that the District has declared the aquifer to be in an **Exceptional Stage (IV) Drought**, Ruby Ranch Water Supply Corporation will activate the **Exceptional Stage (IV)** measures of its UDCP.

Requirement: Mandatory minimum monthly reductions of 40% for Edwards source, and 30% for Trinity source, plus additional curtailments as directed by District Rules.

User/Utility Recommended Actions:

- Continued measures of User Conservation Plan and “Recommended Actions” of the Water Conservation Period (I).

User Mandatory Actions:

- Users shall continue compliance with the mandatory actions of Critical Stage (III) Drought.
- Maximum allowable monthly consumption of the greater of 6,000 gallons/connection or 2,000 gallons/capita.
- All outdoor use (irrigation, vehicle washing, etc.) and nonessential uses are absolutely prohibited.
- Water use shall be limited only to indoor use necessary for human health and safety.

Utility Mandatory Actions:

- Implementation of Exceptional Stage (IV) water rates.
- Utility shall continue compliance with mandatory actions of Critical Stage (III) Drought.
- Place yard signs and/or posters in visible places within the service area to remind users of the “Exceptional Stage (IV) Drought”.
- In notice issued in accordance with Section 5, Utility shall inform all retail, end-user customers that their public water supply may be in peril and that physical restriction of water use and reporting of excessive users to the District may be required.
- **Emergency interconnects, pumpage authorized by a Temporary Transfer Permit, or alternative supply arrangements shall be initiated to meet the respective reduction requirement. All meters shall be read as often as necessary to insure compliance with this program for the benefit of all the customers.**

Emergency Response Period

(Applicable only to Permitted Pumpage from the Freshwater Edwards Management Zones)

Upon notification by the Barton Springs/ Edwards Aquifer Conservation District that the District has declared the aquifer to be in an **Emergency Response Period**, Ruby Ranch Water Supply Corporation will activate the **Emergency Response Period** measures of its UDCP.

Requirement: Continue mandatory minimum monthly reductions of 40% for Edwards source, and 30% for Trinity source, plus additional curtailments as directed by District Rules. Additional pumpage curtailments are strongly encouraged for permittees with available alternative water supplies.

User/Utility Recommended Actions:

- Continued measures of User Conservation Plan and “Recommended Actions” of the Water Conservation Period (I).

User Mandatory Actions:

- User shall continue compliance with mandatory actions of Exceptional Stage (IV) Drought.

Utility Mandatory Actions:

- Utility shall continue compliance with mandatory actions of Exceptional Stage (IV) Drought.
- In notice issued in accordance with Section 5, Utility shall inform all retail, end-user customers that their public water supply is in peril and that physical restriction of water use and reporting of excessive users to the District will be required.
- **Emergency interconnects, pumpage authorized by a Temporary Transfer Permit, or alternative supply arrangements shall be initiated to meet the respective reduction requirement. All meters shall be read as often as necessary to insure compliance with this program for the benefit of all the customers.**

Exceptional Stage (IV) and Emergency Response Period Penalties or Consequences:

- Warnings for 1st occurrence of waste, UDCP violations, excessive monthly consumption, or proscribed use (greater than 20,000 gallons/month).
- Assessment of surcharges and fines for continued waste, UDCP violations, excessive monthly consumption, or proscribed use (*if applicable*).
- Possible installation of flow restrictors on connections with continued waste, UDCP violations, excessive monthly consumption, or proscribed use.

CONDITIONAL PRODUCTION PERMIT CURTAILMENT REQUIREMENTS

Alarm/Critical Stage (II & III) Drought - 50% and 75% Drought Reduction Requirements ***(Applicable only to Permitted Pumpage from the Freshwater Edwards Management Zones)***

Upon notification by the Barton Springs/ Edwards Aquifer Conservation District that the District has initiated mandatory pumpage reduction requirements for applicable Conditional Permittees, Ruby Ranch Water Supply Corporation will implement measures of its UDCP to achieve the respective mandatory reductions.

Requirement: Mandatory monthly reduction of pumpage authorized by a Conditional Production Permit of 50% during Alarm Stage (II) Drought or 75% during Critical Stage (III) Drought.

Utility Mandatory Actions:

- Utility shall continue compliance with respective mandatory actions of the declared Alarm or Critical Stage (II or III) Drought applicable to any Historical permitted pumpage.
- Emergency interconnects or alternative supply arrangements shall be initiated to substitute the respective volume of reduced pumpage authorized by the Conditional Production Permit.
- All meters shall be read as often as necessary to insure compliance with this program for the benefit of all the customers.

Penalties or Consequences:

- Warnings for 1st occurrence of waste, UDCP violations, or excessive consumption.
- Assessment of surcharges and fines for continued waste, UDCP violations, or excessive consumption (*if applicable*).
- Possible installation of flow restrictors on connections with continued waste, UDCP violations, or excessive consumption.
- Possible service cutoff & reconnection fee on connections with continued waste, UDCP violations, or excessive consumption.

Exceptional Stage (IV) Drought – Cessation of Pumpage

(Applicable only to Permitted Pumpage from the Freshwater Edwards Management Zones)

Upon notification by the Barton Springs/ Edwards Aquifer Conservation District that an **Order for a temporary cessation of production has been issued**, Ruby Ranch Water Supply Corporation will take action to cease all pumpage of water authorized by a Conditional Production Permit.

Requirement: Mandatory cessation of pumpage authorized by a Conditional Production Permit.

Utility Mandatory Restrictions:

- Utility shall continue compliance with mandatory actions of Critical Stage (III) Drought and additional Conditional Production Permit curtailment requirements.
- Emergency interconnects, pumpage authorized by a Temporary Transfer Permit, or alternative supply arrangements shall be initiated to substitute the entire monthly volume authorized by the Conditional Production Permit.
- All meters shall be read as often as necessary to insure compliance with this program for the benefit of all the customers.

Penalties or Consequences:

- Warnings for 1st occurrence of waste, UDCP violations, or excessive consumption.
- Assessment of surcharges and fines for continued waste, UDCP violations, or excessive consumption (*if applicable*).
- Possible installation of flow restrictors on connections with continued waste, UDCP violations, or excessive consumption.
- Possible service cutoff & reconnection fee on connections with continued waste, UDCP violations, or excessive consumption.