

**DROUGHT RESPONSE POLICY
FOR
LAKE ROCKPORT ESTATES
PROPERTY OWNERS
ASSOCIATION**

WATER SYSTEM # 22104

SUMMIT COUNTY, UTAH

Drought Response Plan

Lake Rockport Estates, Property Owners Association

Utah State Water System # 22104

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INTRODUCTION

The objective of the Drought Response Plan for Lake Rockport Estates is to assure the property owners of an adequate water supply to meet their needs during water shortages. Lake Rockport Estates addresses its short-term water shortage problems through a series of stages based on conditions of supply and demand with accompanying triggers, goals and actions. Each stage is more stringent in water use than the previous stage since water supply conditions are more deteriorated. The Board of Directors of Lake Rockport Estates shall implement the appropriate conservation measures and update it as needed.

DROUGHT RESPONSE

Pre-Conservation:

Goals

The goal of this Pre-Conservation stage is to assure that all information gathered from the supervisory control and data acquisition (scada system) is true and accurate, and that the water system is leak free and running at intended capacity.

Triggers

This stage is triggered by any one of the following conditions:

1. Well level is dropping at a more than usual rate.
2. Well level is dropping and not recovering at usual rate.
3. Booster tank level is not maintained at usual level.
4. Top Storage Tank level is not being maintained at usual level.
5. Top Storage Tank level has experienced an unusual drop.

Management Actions

1. Lake Rockport Estates will inventory and calibrate all measuring devices for accuracy and make necessary repairs as needed.

2. Lake Rockport Estates will inspect for and make all necessary repairs to any broken or leaking water lines.
3. Lake Rockport Estates will clean and flush well screens to decrease drawdown and to maintain water levels over highest well screens.

Education Actions

1. Lake Rockport Estates Board of Directors will be kept informed of findings.

Regulation Actions

1. None

Stage 1: Water Watch

Goals

The goals of this stage are to heighten awareness of the members on the water conditions and to maintain the integrity of the water supply system.

Triggers

This stage might be triggered by any one of the following conditions.

1. Well level dropping during peak demand.
2. Storage Tank showing draw down during peak demand.
3. Well recovery rate at 32 gpm or lower.
4. Pumps running at a higher percentage of time.

Management Actions

1. Assure that all water user members are made aware of the potential and current water conditions.

Education Actions

1. Lake Rockport Estates will make news releases to its members of the current water situation.

2. Lake Rockport Estates will notify its members via any one or more of the following methods: website, facebook, newsletter, emails, door to door handouts, notice with billings, telephone calls, and notices posted on the community bulletin boards.
3. Lake Rockport Estates will supply water conservation tips for its members.

Regulation Actions

1. The members will be asked to make voluntarily efficient use of outdoor and indoor water use.
2. No water wasting.

Stage 2: Warning

Goals

The goals of this stage are to reduce daily peak demands.

Triggers

1. Well level dropping during daily peak demands.
2. Lake Rockport Estates pumps are running full time.
3. Storage Tank showing draw down during daily peak demands and not recovering.
4. Lake Rockport Estates storage has fallen below 75%.
5. Well recovery rate at 20 gpm.

Management Actions

1. Lake Rockport Estates will monitor daily water supplies.
2. Any new water leaks will be repaired within 48 hours.
3. Lake Rockport Estates will monitor and assure that stage #2 regulations are being adhered to.

Education Actions

1. Lake Rockport Estates will post weekly updates describing present conditions and indicating any known water supply outlook for the upcoming week.
2. Previous week summaries of precipitation, temperature, storage level, and source supply will be posted each week.
3. Announce current water stage.

Regulation Actions

1. An odd/even lawn, tree, and drip system watering schedule will be imposed. Lot owners with odd numbered lot numbers will only water on Mon, Wed, and Fri. Even lot numbers will only water on Tue, Thu, and Sat.
2. No outside water use will be allowed on Sundays.
3. Outdoor water use, including lawn watering and car/vehicle washing will be restricted to before 11:00 am and after 8:00 pm.
4. Brown grass but not dead grass. Let grass turn brown but not dead at the root zone.
5. No water wasting.

Stage 3: Water Emergency

Goals

The goals of this stage are to reduce weekly peak demands and to reduce overall weekly consumption.

Triggers

1. Lake Rockport Estates storage has fallen below 50%
2. Well recovery rate at 15 gpm.
3. Pumps are running full time.
4. Water turbidity has increased. (cloudiness or haziness in the water)

Management Actions

1. Lake Rockport Estates will monitor water level throughout the day.

2. Lake Rockport Estates will test water turbidity daily.
3. Leaks will be repaired or shut off within 24 hours.
4. No new water connections will be installed.
5. Lake Rockport Estates will monitor and insure that stage #3 regulations are being adhered to.
6. Lake Rockport Estates will post “Boil Order” signs if needed.

Education Actions

1. Lake Rockport Estates will continue to post weekly updates on the water conditions and any known water supply outlook for the upcoming week.
2. Previous weeks summaries of precipitation, temperature, storage level, and source supply will be posted weekly.
3. Announce and post “Boil Order” if necessary.
4. Announce current water stage.

Regulation Actions

1. No outside watering allowed.
2. No car/vehicle washing.
3. No use of water to fill any indoor/outdoor pool, spa, tanks, or ponds except to sustain life.
4. Winter water conservation mode should be implemented.

Stage 4: Water Restrictions

Goals

1. The goals of this stage are to protect and make available the bare minimum amount of necessary water for household use only.

Triggers

1. Lake Rockport Estates storage has fallen below 25%.
2. Well recovery rate is at 12 gpm.
3. Pumps are running full time.

4. Water_turbidity has increased to maximum allowed ppm.

Management Actions

1. Lake Rockport Estates will monitor water level throughout the day.
2. Lake Rockport Estates will test water turbidity daily.
3. Lake Rockport Estates will post “Boil Order” signs if necessary.
4. Lake Rockport Estates will immediately mail out certified letters to all water users announcing the stage #4 regulations.
5. Lake Rockport Estates will read all water users meters monthly.
6. Lake Rockport Estates may install an inline 1 gallon per minute water restrictor if necessary.
7. Lock out water service to abusive water users if necessary with a \$100.00 re-connection assessment charge.

Education Actions

1. Lake Rockport Estates will continue to post weekly updates on the water conditions and any known water supply outlook for the upcoming weeks.
2. Previous weeks summaries of precipitation, temperature, storage level, and source supply will be posted weekly.
3. Announce and post “Boil Order” if necessary.
4. Announce current water stage.

Regulation Actions

1. All outside water use is banned.
2. Only 1500 gallons of water per household per month/30 days is allowed.
3. \$0.50 per gallon charge for above the 1500 gallon per month/30 days.

EMERGENCY FIRE PROTECTION

Goals

The goals are to be able to provide the necessary water needed in the case of a fire within Lake Rockport Estates Subdivision, to protect dwellings and vegetation.

Triggers

This action might be triggered by any one of the following conditions.

1. Fire within Lake Rockport Estates.
2. Fires close to or heading towards Lake Rockport Estates.
3. Under the advisement of the State of Utah or Summit County Fire Wardens.

Management Actions

1. Lake Rockport Estates will immediately increase water supply.
2. Lake Rockport Estates will post “Boil Order” signs
3. Lake Rockport Estate will announce the “Boil Order” status on the website, Facebook, and any other electronic message programs available at such time.
4. Lake Rockport will be prepared to open all gates for emergency personnel.
5. Lake Rockport Estates will coordinate with emergency personnel on where the best source of water can be located.

Education Actions

1. Lake Rockport Estates will make news releases to its members on the situation within Lake Rockport Estates.

Regulation Actions

1. Lake Rockport Estates will make the necessary adjustments to water flow for the purpose of fighting fires.
2. Turbidity measurements will be conducted and “Boil Order” will be put into place if needed.

WATER SAVING TIPS

1. Shorten your shower by a minute or two and you'll save up to 150 gallons per month.
2. If your shower fills a one-gallon bucket in less than 20 seconds, replace the showerhead with a water efficient model. They can save up to 750 gallons a month. A four minute shower uses approximately 20 to 40 gallons of water.
3. When running a bath, plug the tub before turning the water on, and then adjust the temperature as the tub fills up.
4. Make sure there are water-saving aerators on all of your faucets.
5. Turn off the water while brushing your teeth and save 25 gallons a month.
6. Turn off the water while you shave and save up to 300 gallons a month.
7. When you are washing your hands, don't let the water run while you lather.
8. Only run the dish washer and clothes washer when they are full. This can save up to 1000 gallons of water a month.
9. Use the garbage disposal sparingly. This will save water and maintenance problems to the septic system.
10. When washing dishes by hand, don't let the water run while rinsing. Fill one sink with wash water and the other with rinse water.
11. Upgrade older toilets with water efficient models.

12. Put food coloring in your toilet tank. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it can save up to 1000 gallons of water a month.
13. Install an instant water heater near your kitchen sink so you don't have to run the water while it heats up.
14. Grab a wrench and fix that leaky faucet. You can save 140 gallons of water a week.
15. Collect the water you use for rinsing fruits and vegetables, and then reuse it to water houseplants.
16. Drop your tissue in the trash instead of flushing it and save water every time.
17. Water your lawn and garden in the morning or evening when temperatures are cooler to minimize evaporation.
18. Check the root zone of your lawn or garden for moisture before watering using a spade, trowel, or meter. If it's still moist two inches under the soil surface, you still have enough water.
19. Use drip irrigation for shrubs and trees to apply water directly to the roots where it is needed.
20. Water your plants deeply but less frequently to encourage deep root growth and drought tolerance.
21. Collect water from your roof to water your gardens.
22. Choose shrubs and groundcovers instead of turf for hard to water areas such as steep slopes.
23. Spreading a layer of organic mulch around plants retains moisture and saves water, time and money.

24. Let your lawn go dormant during the summer. Dormant grass only needs to be watered every three weeks or less if it rains.
25. When you give your pets fresh water, don't throw the old water down the drain. Use it to water your trees or shrubs.
26. When cleaning out your fish tanks, give the nutrient-rich water to your plants.
27. Don't use running water to thaw food. Defrost food in the refrigerator for water efficiency and food safety.
28. Soak pots and pans instead of letting the water run while you scrape them clean.
29. Setting cooling systems and water softeners for a minimum number of refills saves water and chemicals, plus more on utility bills.
30. Report broken pipes, open hydrants and errant sprinklers to the property owner or to Lake Rockport Estates.

