

# SPRWS Drought Response Plan



Board of Water Commissioners

July 29, 2021

# Statewide Drought Plan

July 20<sup>th</sup> -Present

Non-Drought Phase

Drought Watch Phase

**Drought Warning Phase** (severe drought)

- 5 consecutive days at or below 2,000 cfs
- Implement water use restrictions to reach 50% above January levels (53.1 MGD)
- SPRWS implemented voluntary watering restrictions on July 20<sup>th</sup>

**Restrictive Phase** (extreme drought)

- 5 consecutive days at or below 1,500 cfs
- Implement water use restrictions to reach 25% above January levels (44.25 MGD)

**Emergency Phase** (exceptional drought)

- 5 consecutive days at or below 1,000 cfs
- Mandatory reductions to reach January water use levels
- Very likely State action(s)

# Mississippi River Flow

## Used to Determine Drought Phase

Average River Flow for  
July 29<sup>th</sup> Over the  
past 90 years:

7,710 cfs

How does 2021  
compare to a  
“normal” year?



Date	Daily Mean Discharge Cubic Feet Per Second	Drought Phase/Trigger
July 15, 2021	2,000	Drought Watch Phase: Day 1 < 2,000
July 16, 2021	1,990	Drought Watch Phase: Day 2 < 2,000
July 17, 2021	1,930	Drought Watch Phase: Day 3 < 2,000
July 18, 2021	1,710	Drought Watch Phase: Day 4 < 2,000
July 19, 2021	1,600	Drought Watch Phase: Day 5 < 2,000
July 20-28, 2021	1,530-1,970	Drought Warning Phase
July 29, 2021	Projected ABOVE 1,500	Drought Warning Phase
July 30, 2021	Projected ABOVE 1,500	Drought Warning Phase
July 31, 2021	Projected ABOVE 1,500	Drought Warning Phase
August 1, 2021	Projected to be below 1,500	Drought Warning Phase: Day 1 < 1,500
August 2, 2021	Projected to be below 1,500	Drought Warning Phase: Day 2 < 1,500
August 3, 2021	Projected to be below 1,500	Drought Warning Phase: Day 3 < 1,500
August 4, 2021	Projected to be below 1,500	Drought Warning Phase: Day 4 < 1,500
August 5, 2021	Projected to be below 1,500	Drought Warning Phase: Day 5 < 1,500
August 6, 2021	Projected to be below 1,500	PROJECTED RESTRICTIVE PHASE

**USGS 05288500 MISSISSIPPI RIVER AT HWY  
610 IN BROOKLYN PARK, MN**

# Next Steps

July 20<sup>th</sup> -Present

## Drought Warning Phase

- Continued Education and Awareness Efforts
- Prepare for Restrictive Phase
  - **Board of Water Commissioners Special Meeting- July 29<sup>th</sup>**
    - **Board Resolution requesting authorization to implement mandated watering restrictions and associated penalties if needed**
- Implement authorized water use mandates if voluntary measures are not resulting in adequate progress towards defined goals in the Drought Warning Phase (50% of January).

## Restrictive Phase

- Implement authorized water use mandates if previous measures are not resulting in adequate progress towards defined goals in the Restrictive Phase (25% of January).
- Prepare for Emergency Phase

## Emergency Phase

- Implement additional authorized water use mandates if needed
- Coordinate efforts with MN-DNR drought task force
- Work directly with stakeholders

# Implementation of restrictions require related enforcement authority

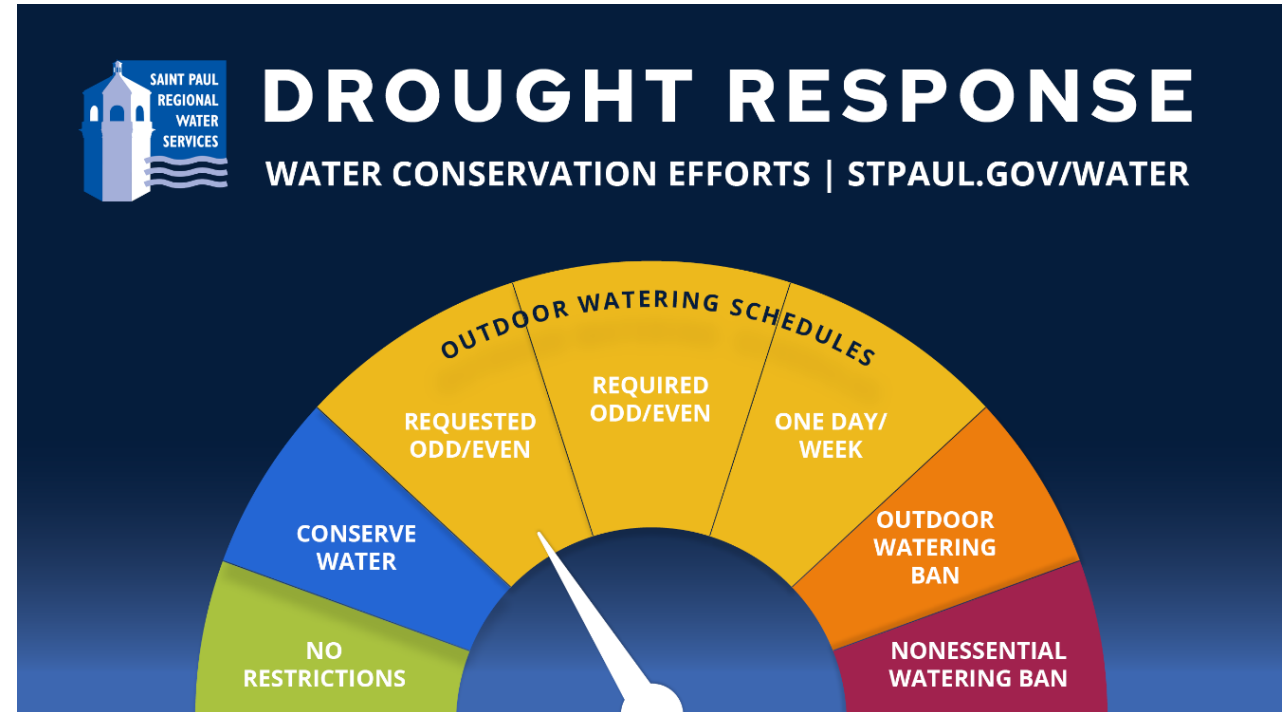
1<sup>st</sup>: Educational Notice

2<sup>nd</sup>: Written Warning

3<sup>rd</sup>: \$50.00 Fine

4<sup>th</sup>: \$100.00 Fine

5<sup>th</sup>: \$150.00 Fine + Water Shut Off (\$50.00 Fee)



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