

## Northern Delaware Drought Advisory Guidelines

Reported by the Drought Advisory Guidelines Subcommittee (DAGS), which is composed of the Delaware Department of Natural Resources and Environmental Control, Delaware Geological Survey, and University of Delaware Water Resources Agency with input from the water purveyors and representatives from the landscaping industry. These drought operating guidelines are designed to provide guidance to the Delaware Water Supply Coordinating Council (WSCC) and the Governor's Drought Advisory Committee (GDAC). Responsibility for providing technical guidance for a move up to or down from Drought Watch is with the WSCC. Responsibility for providing technical guidance for a move up to or down from Drought Warning or Emergency is with the GDAC. Final declaration of drought advisories rests with the Governor.

Indicators	Drought Watch Voluntary Conservation	Drought Warning Voluntary Conservation	Drought Emergency Mandatory Restrictions	Status Oct. 31, 2017
<b>Precipitation</b> Wilmington Arpt/Porter Rsvr 12-month	-6.00" to -8.99"	-9.00" to -11.99"	>-12.00"	-1.84"
<b>Precipitation</b> Wilmington Arpt/Porter Rsvr 6-month	-3.00" to -4.50"	-4.50" to- 6.00"	>-6.00"	+2.90"
<b>Brandywine Creek</b> (30-day moving avg)	85 mgd	70 mgd	48 mgd	135.4 mgd
<b>White Clay Creek - Stanton</b> (30-day moving avg)	42 mgd	37 mgd	31 mgd	71.2 mgd
<b>White Clay Creek - Newark</b> (30-day moving avg)	19 mgd	16 mgd	13 mgd	29.3 mgd
<b>Well Db24-18</b>	14 - 14.99 (fbls)	15 - 15.99 (fbls)	16 (fbls)	<b>14.4 (fbls)</b> (very low end of normal)
<b>Water Conditions Index</b>	4.0-5.0	3.0-3.99	<3.00	7.03
<b>Chlorides</b>	WCC ≤ 37 mgd for 5 consecutive days at UWD Stanton Intake	Cl > 250 ppm for 3 days at Christina River at Newport	Cl > 250 ppm for 3 days at UWD Stanton Intake	average 28.84 ppm 11/1/2017)
<b>Hoopes Reservoir</b> (City of Wilmington)	-10 ft (68% capacity)	-12 ft (64% capacity)	-15 ft (57% capacity)	full (10/26/2017)
<b>Newark Reservoir</b>	- 10 ft (70% capacity)	-17 ft (52% capacity)	-27 ft (28% capacity)	-8.0 ft (10/9/2017)
<b>Monitored</b>				
<b>Aquifer Storage and Recovery</b>	Monitor Status	Monitor Status	Monitor Status	SUEZ: 29.5 mg (10/24/2017) AWC: 63 mg (10/23/2017)

<b>Octoraro Reservoir</b> (Chester Water Authority)	Monitor Status	Monitor Status	Monitor Status	
<b>Marsh Creek Reservoir</b>	Monitor Status	Monitor Status	Monitor Status	
<b>Chlorides on the Delaware River 10/26/2017</b>	Monitor Status	Monitor Status	Monitor Status	Normal RM: 72 Current RM: 79
<b>DRBC Lower Basin Drought Criteria</b>	Monitor Status	Monitor Status	Monitor Status	
<b>NYC DRB Reservoirs (DRBC 10/27/2017)</b>	Monitor Status	Monitor Status	Monitor Status	Storage 178.4 bg or 68 bg above drought watch

fbls = feet below land surface  
 mg = million gallons  
 mgd = million gallons per day  
 RM = River Mile  
 bg = billion gallons

Delaware Geological Survey:

<http://www.dgs.udel.edu>

U.S. Geological Survey Streamflows:

<http://waterdata.usgs.gov/de/nwis/current/?type=flow>

Delaware River Basin Commission:

<http://www.state.nj.us/drbc>

Delaware Environmental Observing System:

<http://www.deos.udel.edu>