

South Carolina Department of
Natural Resources



DNR

Alvin A. Taylor
Director

Ken Rentiers
Deputy Director for
Land, Water and Conservation

MEMORANDUM

TO: Public Water Systems
FROM: Hope Mizzell, Ph.D., S.C. State Climatologist, SCDNR
DATE: July 17, 2015
SUBJECT: Drought Status

Members of the S.C. Drought Response Committee, meeting via tele-conference on July 16, upgraded 28 counties in the state to the second level of drought or moderate. All other counties in South Carolina are now in the first level of drought or incipient (see enclosed press release). The moderate drought declaration does not require any mandatory action by public water systems or the public, but all water systems should take the opportunity to review their local drought plans and ordinances and where needed implement accordingly.

All water systems should immediately contact the S.C. Department of Health and Environmental Control and the S.C. Department of Natural Resources if they anticipate any water supply problems. Please contact Hope Mizzell if you activate your Drought Response Plan/ Ordinance (803-734-9568 or mizzellh@dnr.sc.gov).

cc: Alvin Taylor, SCDNR Director
Ken Rentiers, SCDNR Deputy Director, Land, Water & Conservation Division

All of South Carolina now under drought status

The S.C. Drought Response Committee, meeting via conference call on July 16, has upgraded the drought status of the entire state. Previously on June 19 the committee had designated 28 counties to the first level of drought. Those counties are now in the second or moderate stage of drought.

The counties upgraded to the moderate stage of drought include Aiken, Allendale, Barnwell, Bamberg, Berkeley, Calhoun, Charleston, Chester, Chesterfield, Clarendon, Colleton, Darlington, Dillon, Dorchester, Fairfield, Florence, Georgetown, Hampton, Horry, Kershaw, Lancaster, Lee, Marion, Marlboro, Orangeburg, Sumter, Williamsburg and York. All other counties in South Carolina are now in the first level of drought or incipient.

The purpose of the moderate declaration is to increase awareness that drought conditions are intensifying. Water systems are asked to review their Drought Response Plans and Ordinances and implement as needed.

"It's clear that drought is affecting folks all across the state. Irrigation has helped provide moisture to some crops, but it doesn't replace a good soaking rain," said S.C. Department of Agriculture Commissioner Hugh Weathers. "This summer's weather furthers illustrates the partnership that farmers have with Mother Nature. The short-term forecast isn't optimistic, but we'll continue to pray for relief from the heat and drought."

"Duke Energy strongly supports the Drought Committee's moving the drought classification to moderate based on the very low stream flows, dry soil moisture and widespread low rainfall amounts over the last 30 days. Duke Energy is concerned with lake levels and is carefully managing hydroelectric operations under these conditions," stated George Galleher, principal engineer with Duke Energy.

"Due to below normal rainfall over the past several months, streamflow levels have dropped considerably and are well below normal for this time of year," reported Scott Harder, S.C. Department of Natural Resources hydrologist. "These low streamflows have caused small but steady declines in most of the state's major reservoirs and most of the reservoirs are currently below their target levels."

Bobby Brock with the Marlboro Water Company and Northeast Drought Committee said, "Several farmers in Marlboro County agree that the combination of hot weather and lack of rainfall is having an impact on their farming operations, particular those without irrigation. It certainly has affected the corn crop and will impact peanuts and soybeans if we do not get rain soon."

According to Hope Mizzell, SC State Climatologist, "Rainfall totals within each county are highly variable, for example in York County some areas are reporting less than 2" since June 1 while others have received over 7". Since our last Drought Committee meeting in mid-June, rainfall totals have decreased statewide. The drought impacts have been intensified due to the much above normal temperatures."

Select National Weather Service Cooperative Network rainfall totals and departure from normal values for the period June 15 – July 15 are provided below.

June 15 – July 15, 2015 Rainfall Totals and Percent of Normal Values

Station	Total (")	% of Normal		Total (")	% of Normal
WINNSBORO	0.58	14	WATEREE DAM	2.71	62
GRNVL SPART AP	0.89	21	WALTERBORO 1 SW	3.94	72
SANTUCK	0.96	23	COLUMBIA METRO AP	4.01	73
CHESTER 1 SE	1.39	31	BAMBERG	4.02	74
CLEVELAND 3S	1.66	32	ANDERSON CO AP	2.60	75
PICKENS	1.45	33	JOCASSEE 8 WNW	5.37	77
JOHNSTON 4 SW	1.57	35	SUMTER	4.43	77
NEWBERRY	1.62	37	CHARLESTON INTL AP	4.88	78
CHERAW	2.32	44	MANNING	4.10	78
ORANGEBURG 2	2.65	51	FLORENCE RGNL AP	3.81	78
ANDREWS	2.74	52	MARION	4.91	94
CAESARS HEAD	3.79	57	WALHALLA	5.49	122

Drought Response Committee Chairman Ken Rentiers stated, "The Committee will continue to monitor the situation closely and if conditions deteriorate the S.C. Department of Natural Resources will reconvene the committee as needed."

South Carolina Drought Status by County
July 16, 2015

