

The following is a brief summary of the October 30, 2007 CW-DMAG meeting:

1. Attending Organizations:

Member Organizations

NCDENR

NCWRC

SCDHEC

SCDNR

USGS

City of Morganton

Town of Granite Falls

City of Lenoir

Town of Valdese

City of Hickory

Town of Longview

City of Statesville

Town of Mooresville

Charlotte-Mecklenburg Utilities

City of Newton

Lincoln County

City of Gastonia

City of Mount Holly

City of Belmont

City of Rock Hill

Bowater

Union-Lancaster Catawba Water Treatment Plant

Chester Metropolitan District

City of Camden

Lugoff-Elgin Water Authority

American & Efird

International Paper

Other Organizations

Town of Fort Mill

Kearns & West

USC

HDR Engineering, Inc.

2. Current Drought Trigger Update

Ed Bruce briefly reviewed the Low Inflow Protocol (LIP) Storage Index (SI) drought indicators as of Monday, **October 29, 2007**.

Storage Index (SI)= 39.96%

Target Storage Index (TSI)= 69.58%

Ratio= 57.43% (Supports Stage 2)

Drought Monitor Average= +3.33 (Supports Stage 3)

Streamflow= 39.8% of Six-Month Long Term Average (Supports Stage 4)

Ed Bruce also updated the CW-DMAG on the existing groundwater wells that are monitored as part of the LIP.

3. Meteorological and Operational Discussion

George Galleher provided a brief update on Duke's operations and the climate of the Catawba-Wateree Project and Basin. Parts of the basin received 1 to 3 inches of rain the previous week

and that has improved the Storage Index slightly. However, the climate predictions for the next several weeks call for a return to dry weather for the most part. There is no major change to hydro operations expected.

4. Update on Intake Elevations and Discussion of Opportunities to Maintain Intake Capabilities During Stage 4 Conditions

Kevin Mosteller of HDR Engineering summarized the data on intake elevations and connections that has been received to date. The latest data shows that no intake has moved the critical elevation higher and in some instances, the intake elevations are actually lower than what was documented in the Water Supply Study. HDR Engineering presented a case study of designing and preparing for maintaining pumping capacity during a severe drought for an intake located on Lake Travis in Texas. It was noted that it takes several months of planning and implementation to install temporary pumping measures.

Kevin Mosteller summarized that the key areas for contingency planning are:

1. Accessing available storage
2. Leveraging the distribution system
3. Emergency preparedness

5. Discussion of Updated Projections for Reaching Stage 4 and Depleting Remaining Usable Storage

Jeff Lineberger presented information concerning updated projections for reaching Stage 4 and for depleting the remaining usable storage. Duke Energy analyzed the Catawba-Watauga Storage in the reservoirs based on **four** trend scenarios (1%, 1.5%, 2% and 2.5% loss rates per week) and **two** hydrology scenarios (driest November-October on record-11/00-10/01 and 25% of the median hydrology year-represents approximate rainfall amounts over the last few months).

On October 23, 2007 Duke Energy (prior to the recent rainfall) estimated that Stage 4 could be reached in 3-6 weeks based on 1.75%-3.00% loss rate per week. Assuming a lower weekly loss rate of 1% to 2.5%, Stage 4 could be reached in mid-December to mid-January. The remaining usable storage could be depleted by mid-March under a 2% loss rate per week. It was noted that a 2% loss rate per week is a near-worst case scenario and highly unlikely.

6. Coordination of Water Use Restrictions During Stages 3 and 4 and Coordination of Drought Response Plans and Ordinances

Kirsten Lackstrom presented a comparison of existing Drought Response Plans and Ordinances and how each compared with the LIP. Some were more stringent than the LIP and some were less in certain areas. Kirsten also analyzed how well they coordinated with each other. The comparison points were:

1. Non-essential use restrictions: Irrigation
2. Non-essential use restrictions: Water uses other than irrigation
3. Measures and restrictions for non-residential customers
4. Drought stage triggers and declarations

The CW-DMAG group agreed that it would be desirable if each Public Water Supplier in the basin communicated to their water users in a manner consistent with the other water users without revising the LIP at this time. The CW-DMAG members agreed to further work on the issue of having consistent Stage 3 and 4 communications to the public on water use restrictions. This will be discussed in more detail at the next CW-DMAG meeting.

7. NC Water Use Reporting Requirements

The NC CW-DMAG members discussed with NCDENR (Don Rayno) the recent request by NC to report water use amounts to use as a baseline. It was noted that the existing system would not allow water use data before October, 2007. The group thought that in order to create a

meaningful baseline, the data should go back to July. The system has since been changed to collect data back to July.

8. Next Meeting

The next conference call of the CW-DMAG will be November 13, 2007 at 10:00 am. The next meeting of the CW-DMAG will be November 27, 2007 at 10:00 am at the Lee S. Dukes Water Treatment Plant.