

The following is a brief summary of the October 2, 2007 CW-DMAG conference call:

**1. Attending Organizations:**

**Organization**

**NCDENR**

**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**

**Charlotte Mecklenburg Utilities**

**Lincoln County**

**City of Gastonia**

**City of Rock Hill**

**Union-Lancaster Catawba Water**

**Treatment Plant**

**Chester Metropolitan District**

**City of Camden**

**Lugoff-Elgin Water Authority**

**International Paper**

**Invista**

**Licensee**

**2. LIP Trigger Update**

Ed Bruce briefly reviewed the Low Inflow Protocol (LIP) drought indicators as of **Friday, September 28, 2007**:

Storage Index (SI): 45.50%

Target Storage Index= 75.00%

Ratio= **60.67%** (Supports Stage 2, but very close to Stage 3)

**Trend Data:**

**SI on July 30, 2007= 64.36%**

**SI on August 27, 2007= 53.54%**

**SI on August 31, 2007= 52.58%**

**SI on September 7, 2007= 50.26%**

**SI on September 14, 2007= 47.56%**

**SI on September 21, 2007= 46.74%**

**SI on September 28, 2007= 45.50%**

**Loss Rate since July 30, 2007= 2.20% per week**

**Loss Rate since August 31, 2007= 1.77% per week**

Ed Bruce noted that the SI on October 2, 2007 (Tuesday morning) was **43.22%**, which represents a loss rate since Friday, September 28, 2007 of 3.99% per week. The rate of decline in SI has increased from previous weeks and can only be attributable to increased groundwater interaction and natural evaporation. Ed Bruce noted that the basin conservation efforts have kept water in the basin and has extended the storage.

The following are Stage 3 SI trigger points during October (Stage 3 trigger point is 57% of TSI):

October 1: TSI= 75%, **Stage 3 SI = 42.75%**  
October 15: TSI= 72.29%, **Stage 3 SI = 41.21%**  
October 31: TSI= 69.19%, **Stage 3 SI = 39.44%**

Streamflow Indicator (six-month average versus historical six-month average):  
Ratio= **46.30%** (Supports Stage 3)

**Trend Data:**

**Ratio on July 30, 2007= 66.6%**  
**Ratio on August 31, 2007= 64.0%**  
**Ratio on September 21, 2007= 47.7%**

US Drought Monitor (three-month average)  
Three-month Numeric Average= **+2.33** (Supports Stage 2)

Ed Bruce noted that as higher US Drought Monitor months are added to the average, this indicator will go into Stage 3.

Groundwater Gages (feet below surface):  
USGS Langtree current reading= **21.55 ft**  
August 31, 2007 reading= 20.85 ft  
September 7, 2007 reading= 21.10 ft  
September 14, 2007 reading= 21.24 ft  
September 21, 2007 reading= 21.38 ft

USGS Linville current reading= **2.42 ft**  
August 31, 2007 reading= 2.41 ft  
September 7, 2007 reading= 2.43 ft  
September 14, 2007 reading= 2.49 ft  
September 21, 2007 reading= 2.37 ft

NCDWR Glen Alpine reading= **9.93 ft**  
(reading on September 27, 2007)  
August 15, 2007 reading= 9.90 ft  
September 5, 2007 reading= 10.03 ft  
September 13, 2007 reading= 10.19 ft  
September 20, 2007 reading= 9.98 ft

Ed Bruce noted that the Langtree gage has not reached the 2002 levels yet.

### **3. Duke Operations and Climate Update**

George Galleher provided a brief update on Duke's operations and the climate of the Catawba-Wateree Project and Basin. The July-September 2007 period had a system average rainfall of 4.55 inches compared to 12.02 inches long-term average (LTA). Looking forward, the October-December period LTA is 10.75 inches and in 2001, it was 4.5 inches. George Galleher emphasized that the basin is entering the historically low rainfall period of the year. There is little rainfall predicted over the next couple of weeks and the La Nina effect may bring a drier winter and spring.

Duke is currently moving water out of Lake James at the rate of about 0.3 ft per day for downstream water needs. Lake Wylie will also decline in elevation over the next few days. The release below Lake Wateree will return to 807 cfs in the near term.

**4. Lake Norman Lake Level Issue**

Ed Bruce noted that during relicensing, the Critical Elevation for Lake Norman was determined to be 750 ft. msl (10 foot drawdown) due to thermal limitations associated with McGuire Nuclear Station and Marshall Steam Station operations. At the time of determining the critical elevation, Duke was aware that McGuire needed a system modification to allow it to operate to its physical limitation of 745 ft. msl. This modification is scheduled to be implemented in the 2008 outages to replace piping needed for station operations. Until that time, Lake Norman needs to be maintained at 753.4 ft. msl in order to keep McGuire Nuclear Station operating. When the modifications are complete, McGuire will be able to operate at lower lake elevations. At the time of identifying the critical elevations, it was thought that this modification and schedule would not present a problem because the probability of having a drought worse than the 1998-2002 drought seemed low.

**5. CW-DMAG Meeting**

The CW-DMAG agreed to have a meeting and the meeting will be at 10:00 am on Thursday, October 11, 2007 at Charlotte-Mecklenburg Utilities Lee S. Dukes Water Treatment Facility in Huntersville, NC. The main topic of discussion will be preparing for higher LIP stages and other measures. Directions to the facility are attached.

**7. Miscellaneous**

Charlotte-Mecklenburg Utilities reported a 22% reduction in water use since new water use restrictions on outdoor watering went into effect. The City of Hickory reported an 18% reduction in water use.

Ed Bruce Adjourned the meeting.