

The following is a brief summary of the September 18, 2007 CW-DMAG conference call:

**1. Attending Organizations:**

**Organization**

**NCDENR**

**SCDHEC**

**City of Morganton**

**Town of Granite Falls**

**City of Lenoir**

**Town of Valdese**

**City of Hickory**

**Charlotte Mecklenburg Utilities**

**Lincoln County**

**City of Gastonia**

**City of Belmont**

**City of Rock Hill**

**Union-Lancaster Catawba Water**

**Treatment Plant**

**Bowater**

**Chester Metropolitan District**

**City of Camden**

**Licensee**

**2. Review of Drought Response Status**

There have been no significant changes from the Drought Response Status that was sent out on Friday, September 14, 2007 and there was no further discussion on the status list.

**3. LIP Trigger Update**

Ed Bruce briefly reviewed the Low Inflow Protocol (LIP) drought indicators as of **September 14, 2007**:

Storage Index (SI): 47.56%  
Target Storage Index= 75.00%  
Ratio= **63.41%** (Supports Stage 2)

**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%**

Streamflow Indicator (six-month average versus historical six-month average):

Ratio= **51.5%** (Supports Stage 3)

US Drought Monitor (three-month average)

Three-month Numeric Average= **+2.00** (Supports Stage 2)

Groundwater Gages (feet below surface):

USGS Langtree

September 14, 2007 reading= **21.24 ft**

August 31, 2007 reading= 20.85 ft

September 7, 2007 reading= 21.10 ft

USGS Linville

September 14, 2007 reading= **2.49 ft**

August 31, 2007 reading= 2.41 ft

September 7, 2007 reading= 2.43 ft

NCDWR Glen Alpine

September 13, 2007 reading= **10.19 ft**

August 15, 2007 reading= 9.90 ft

September 5, 2007 reading= 10.03 ft

Ed Bruce noted that the Storage Indicator briefly rose slightly due to the rain the basin received last Friday, but has quickly resumed its downward trend. The SI declined 0.2 % over the 24-hour period from Monday, September 17, 2007 to Tuesday, September 18, 2007 and without substantial rain, the loss rate is likely to increase back to the rate before the recent rain. Duke staff has begun reading the Glen Alpine groundwater gage on a weekly basis so that more timely data can be used in evaluating groundwater trends.

#### **4. Duke Operations Update**

Ed Bruce provided a brief update on Duke's operations of the Catawba-Wateree Project. Within the limits of the existing equipment available, Duke is still targeting 807 cfs release from the Wateree Development, 650 cfs from the Wylie Development and 101 cfs from the Bridgewater (Lake James) Development as discussed last week. These flows are daily average flows attained through pulsing of the existing units. There was no change in operations during the recent rain event.

Duke meteorology staff is predicting little rainfall in the basin over the next few days. Longer-term projections still show a neutral to dry pattern into next spring and summer. Duke estimated that the natural evaporation loss in August was approximately 300 mgd. The natural evaporation may be lower in the fall due to the lower temperatures and longer night-time hours, but is difficult to estimate. Duke will consider additional comparative estimates.

#### **5. Preparing for Stage 3**

The CW-DMAG members of the Water Management Group on Monday, September 17, 2007 requested that Duke draft a memo for CW-DMAG discussion concerning conclusions and recommendations going forward related to managing the on-going drought. The conclusion summarized the negligible short-lived that the recent rain had on the storage and that the trend toward LIP Stage 3 continues. The recommendations include specific considerations of delaying reseeding of lawns this fall and banning all lawn watering except for hand-held devices. The recommendations also leave the final decision on banning lawn watering to those that oversee the specific water systems.

It was agreed that Duke Energy would issue a "News Alert" covering the above and Public Water Suppliers would use those recommendations as a basis for their individual actions. Attached is a copy of the "News Alert" for use by Public Water Suppliers.

The next LIP update will be Friday, September 21, 2007 and the next conference call will be Tuesday, September 25, 2007 at 10:00 am.

Ed Bruce Adjourned the meeting.

Edward D. Bruce, P.E.  
Senior Engineer