

DATE	Tuesday, December 7, 2010
TIME	9:00 AM
LOCATION	Henry Horton State Park, TN
FACILITATORS	Thomas Dumm, O'Brien & Gere and Brian McCrodden, HydroLogics
SUBJECT	Duck River Regional Drought Management Plan - Workshop No. 1
ATTENDEES	<p>Doug Murphy, Duck River Agency, doug@duckriveragency.org Linda Justice, Duck River Agency, linda@duckriveragency.org Thomas Dumm, O'Brien & Gere, Thomas.Dumm@obg.com George Rest, O'Brien & Gere, George.Rest@obg.com Jim Clark, CPWS, jim.clark@cpws.com Caryl Giles, City of Spring Hill, cgiles@springhilltn.org Lee Keck, TDEC-DWS, lee.keck@tn.gov Scott Young, TUB, syoung@tub.net Neil Loeffler, DRUC/NLLA, lefler@cafes.net Leslie Colley, TNC, lcolley@tnc.org Lee Morrison, DRA, morr2142@bellsouth.net Paul Myatt, DRA Steven Nebiker, HydroLogics, snebiker@hydrologics.net Brian McCrodden, HydroLogics, bmccrodden@hydrologics.net Kevin Kennuy, Garver, kwkennuy@garverusa.com Michael Bradley, USGS, mbradley@usgs.gov Tom Puckett, HBTS Utility District, tpuckett_hbts@bellsouth.net Larry Jones, DRA, larry417@att.net Kenneth Carr, Lewisburg Water, Kenneth@lewisburgwater.org Gary Springston, TVA, gspringston@tva.gov Mike Eiffe, TVA, maeiffe@tva.gov Randal Braker, DRUC, manager@druc.org Ramune Morales, USACE, ramune.morales@usace.army.mil Porter Williams, USACE, porter.williams@usace.army.mil Chad Augustin, TDEC-WPC, chad.augustin@tn.gov Steve Alexander, USFWS, steven_alexander@fws.gov Kim Elkin, TWRA, kimberly.elkin@tn.gov</p>

KEY POINTS DISCUSSED

No.	Topic	Highlights
1	Duck River Regional Drought Management Plan Presentation	Thomas Dumm presented slides summarizing the overall approach for developing a regional drought management plan and for Duck River Agency.
2	Presentation of hydrologic modeling for Duck River Agency's Drought Management Plan	Brian McCrodden discussed risk and safe yield concepts, model inputs, potential modeling runs, drought triggers and water supply metrics.

ACTION PLAN

No.	Action Item	Owner	Deadline
1	Develop matrix showing impact of preventive and reactive water use measures on water sources	Tom Dumm	Prior to January 20 meeting
2	Identify strategy for reaching out to non-customers	Doug Murphy	Prior to January 20 meeting
3	Identify need for economic development representative on Task Force	Doug Murphy	Prior to January 20 meeting
4	Develop schedule for DMP and identify tentative meeting dates	Tom Dumm	Prior to January 20 meeting
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NEXT MEETING

DATE	January 20, 2011
TIME	9 am
LOCATION	Henry Horton State Park
FACILITATOR	O'Brien & Gere and HydroLogics
SUBJECT	Progress on study, present schedule/meeting dates, further discussion on hydrologic modeling and triggers.

NOTES

- DRA's purpose in developing the regional drought management plan is to avoid a fight over the last gallon of water in the Duck River. Make decisions in advance on who gets water, how much, release amounts, etc.
- Participant comment: Actions cannot be limited to municipal....Federal and State agency buy-in is needed.
- Participant comment: Need to identify how to address the cost impacts to customers. When will the customers get a chance to provide input?
- Participant comment: Will the Task Force also be the Management Team? Response: This will be discussed with the Task Force. The Management Team are those individuals responsible for monitoring conditions and implementing actions based on the trigger points.
- Participant comment: All of the water systems in the Duck River region obtained extensions from TDEC for submission of their individual DMPs. DMPs for supply and demand will be integrated. It is not clear at this point how and who will integrate the DMPs.
- Participant comment: Preventive drought response measures are more important than reactive measures. A water use restriction may not preserve storage. Release changes from Normandy Reservoir are more important as preventive measures than use restrictions.....only benefit is withdrawal restrictions from Normandy Reservoir pool, not from the Duck River.
- The DMP will provide important information for managing droughts, but the region is relying on structural components also to overcome uncertainty from agricultural and other withdrawals.
- Participant comment: All withdrawals from the Duck River need to be quantified in order to develop an effective DMP. Who will be responsible for enforcement of DRA's DMP? Need a member from economic development on the Task Force? There is not a single person that can represent the entire region. May be able to have the State representative participate.
- Participant comment: Non-customer use for the Duck River is a big deal. More water used for non-customer use than is saved by the water systems. Outreach to the agricultural commission or Farm Bureau representative should be considered. Be careful on limiting their withdrawals. Need to determine whether sod farms and nurseries exempted as agriculture or regulated with golf courses, etc. (as commercial).
- Participant comment: Need to include cost and alternatives in the DMP process similar to approach for the Regional Water Supply Plan.
- Participant comment: There may be non-drought (hydraulic) triggers that the water systems may want to have in place.
- Probability based triggers (vs. level based triggers) help predict need to invoke changes better than reservoir level only (low level in December requires less response than in summer).
- Should we attempt to negotiate that the percent participation (release and restrictions) be the same for all users?
- Participant comment: The dates for the meetings need to be announced well in advance to avoid conflicts.

