

Capital Area Ground Water Conservation Commission Technical Committee Meeting

U.S. Geological Survey Auditorium

3535 South Sherwood Forest Blvd., Suite 120

Baton Rouge, LA 70816.

September 19, 2019

1:30 p.m.

Meeting Notes

Attendees

Commissioners

Barry Huggins*	Nelson Morvant*	Ryan Scardina*	Mark Walton*
Dennis McGehee*	Todd Talbot*	Matt Reonas*	Ronnie Albritton
Hays Town	Joey Normand		

*Committee Members

Others Attending

Anthony Duplechin	Max Lindaman	Adrian McGinnis
John Lovelace	Roy Waggenspack	Frank Tsai

1. Meeting was called to order by Barry Huggins - Committee Chairman
2. Roll was called and a quorum was established by Anthony Duplechin - District Executive Director
3. Guests were introduced.
4. Previous Meetings Minutes were reviewed and approved (Walton/Morvant)
5. Adrian McGinnis gave an update on the Long-Range Planning Project
 - a. The Water Institute has completed the Workshops and has planned a Phase I Workshop wrap-up meeting for October 17, 2019 from 8:30 AM till 11:00 AM in the USGS Auditorium. At that meeting alternatives will continue to be discussed and a high-level discussion of Phase II. They are continuing to work on the state of the science report and updating the strategic long-range plan with comments received.
6. Report from Planning & Specifications Subcommittee Todd Talbot - Subcommittee Chairman

BA

- a. Executive Director Duplechin and Owen & White Engineer Waggenpack reported that the driller had reached the target depth (2,300') and the hole was logged. Approximately 80' of sand. It was moved by Talbot and seconded by Morvant to amend the agenda to discuss moving ahead with completion of the well. Passage was unanimous.

Talbot moved and Morvant seconded that the hole be completed as a 4' observation well. Motion passed. After extensive discussion it was decided to complete the hole as a 4" observation well at the depth drilled. This would cost an additional \$148,750, which has already been approved by the full Commission. Duplechin will sign a change order with Griner Drilling next week authorizing them to proceed as well as informing Mr. Nguyen, the property owner, of our plans.

7. Consideration of two new procedures

- a. Recommend that the Commission adopt a policy that required a public hearing and/or public comment period, and a vote of approval by the full Commission before any future water well permits are issued. Mr. Walton asked how long this would make permit approval. There was much concern over delays in permit approval if the entire Commission had to review and vote on the permit.

Mr. Huggins moved, and Mr. Morvant seconded that this item be recommended to the full Commission and that the Commission develop a step by step policy for permit review including a public comment period and approval by the Board. Motion passed.

- b. Recommend that the Commission adopt a policy that any pumping limits that are in place will be subject to annual review and re-adoption at the last Commission meeting in each calendar year.

Mr. Huggins moved, and Mr. Morvant seconded that this item be recommended to the full Commission. After discussion the recommendation was approved.

8. A review of most recent pumping rates from the 1,500-ft /2,000-ft sands to monitor compliance with agreed on reductions and/or commitments was given by Commissioner Mark Walton.
 - a. All pumpage was within limits.

9. John Lovelace gave a progress report on the Baton Rouge model

- a. PROGRESS AND SIGNIFICANT FINDINGS:
 - i. The SEAWAT model archive, " Chloride Transport in the " 1,500-Foot", "2,400-Foot", and
 - ii. "2,800-Foot" Sands of the Baton Rouge Area, Louisiana," was approved for dissemination. The model archive will be released to the public on the USGS Water Resources NSDI Node at <https://water.usgs.gov/lookup/getgislislist>.
 - iii. The report, "Simulation of Groundwater Flow and Chloride Transport in the "1,500-Foot" Sand, " 2,400-Foot" Sand, and "2,800-Foot" Sand of the Baton

BTA

Rouge Area, Louisiana," has been approved for publication and currently is being formatted for printing.

- iv. Work continued on revisions to the model to simulate conditions in the "400-ft," "600-ft," "800-ft," and "1,000-ft" sands. Simulated chloride concentrations in the "600-ft" and "1,000-ft" sands were calibrated to historic chloride measurements.
 - v. The effects of continued withdrawals at 2016 rates (the "status quo" scenario) on water levels and chloride distributions in the "400-ft," "600-ft," "800-ft," and "1,000-ft" sands over 40- and 100- year periods also were simulated.
- b. PLANS FOR NEXT QUARTER:
- i. Documentation of the model to simulate flow and transport in the "400-ft," "600-ft," "800-ft," and "1,000-ft" sands will continue.
 - ii. Discuss and identify concerns in the "400-ft," "600-ft," "800-ft," and "1,000-ft" sands. Consider water-management alternatives amenable to groundwater model analysis and formulate hypothetical scenarios to evaluate the possible management alternatives.
- c. PROBLEMS/CONCERNS:
- i. None.

10. Frank T.-C. Tsai gave a report on the Board of Regents ITRS Projects

- a. Summarized work LSU did on saltwater intrusion over the last fifteen years
- b. Showed map of cross-sections developed
- c. Showed cross-sections in area of test well

11. Discussion Items

- a. List of wells in line for 250 mg/ liter chloride content. Estimated timeline.
- b. Water chemistry reporting requirements. Other reporting requirements.
- c. Define "research data" and "after detailed research, considering both recharge and withdrawal data". Develop criteria for limiting pumping after "research data" and "detailed research" are defined.
 - i. Mr. Normand decided to defer discussion on items a and b.
 - ii. For Item 'c' he asked that the Board define "research data" and "after detailed research, considering both recharge and withdrawal data". Mr. Huggins recommended that the question be forwarded to the AG's office. Morvant recommended it be part of the Policy and Procedures being developed.

12. No Committee Member Comments No Public Comments

13. Motion (Morvant/Huggins) to Adjourn - passed

Barry Huggins - Committee Chairman


