

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.

June 13, 2019

1:30 p.m.

Meeting Notes

Attendees

Commissioners

Barry Huggins*

Ryan Scardina*

Mark Walton*

Nelson Morvant*

Dennis McGehee*

John Jennings

Ken Dawson*

Todd Talbot*

*Committee Members

Others Attending

Anthony Duplechin

Patrick Courreges

Alyssa Dausman

John Johnston

Max Lindaman

Johan Forsman

Ryan Clark

Adrian McGinnis

Frank Tsai

John Lovelace

Meeting was called to order by Barry Huggins - Committee Chairman

Roll was called and a quorum was established by Anthony Duplechin - District Executive Director

Guests were introduced.

Previous Meetings Minutes were reviewed and approved (McGehee/Morvant)

Alyssa Dausman gave an update on the Long-Range Planning Project

The Water Institute is very close to completing interviews with individual Commissioners. It is hoped that the rest will be interviewed in the coming weeks. In-person and group webinars are planned for the end of July to start working on strategic planning. Working with District on scheduling. Some workshops will be held at USGS and at least two at The Water Institute. They are all open meetings.

Report from Planning & Specifications Subcommittee

Nelson Morvant - Acting Subcommittee Chairman

An update on the drilling bids April 9, 2019 Bid Submission was given by Mr. Duplechin. Mr. Waggenspack of Owen and White reviewed the bids received. The Subcommittee voted to accept the base bid from Griner Drilling, Inc. (Daniel/Walton).

Mr. Duplechin invited the Committee to the drill site on Friday, June 14 to meet with the driller.

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.

All pumpage was within limits.

Max Lindaman gave a progress report on the Baton Rouge model

PROGRESS AND SIGNIFICANT FINDINGS:

1. Analyzed residual (observed minus simulated water levels) distributions in the "400-ft," "600-ft," "800-ft," and "1,000-ft" sands to identify and alleviate model errors
2. Adjusted groundwater flow and transport-model parameters to fit simulated chloride concentrations to concentrations measured in the " 600-ft" and "1,000-ft" sands since 1947.
3. Constructed a SEAWAT model to test if refined vertical discretization might improve simulation of density effects on saltwater stratification in the "600-ft sand" sand.

PLANS FOR NEXT QUARTER:

1. Begin writing report documenting simulation of flow and transport in the "400-ft," "600-ft," "800-ft," and "1,000-ft" sands.
2. Finalize calibration of simulated chloride concentrations to historic chloride measurements in the "600-ft" and " 1,000-ft" sands.
3. Identify cooperators 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 future scenarios to evaluate the possible alternatives.

PROBLEMS/CONCERNS:

Publication of the report "Simulation of Groundwater Flow and Chloride Transport in the "1,500- Foot", "2,400 -Foot", and "2,800-Foot" Sands of the Baton Rouge Area, Louisiana" has been delayed.

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

He stated that his proposal to the Board of Regents for additional funding for this project for three additional years was not funded by BoR.

He looked at the saltwater freshwater interface in the "1,500 -foot "sand and looked at stratigraphy of the sands in the District and reviewed the BRWC Scavenger well operation in the "1,500 -foot "sand.

He was looking into reductions at GP but the data is not yet available outside of LSU.

He has developed a well impact tool that may be useful to the Commission. It will look at the impact of an individual water well. This might require some financial assistance from the Commission. Mr. Huggins recommended it be addressed at the next Planning and Specifications meeting.

Consideration was made of suggested Regulatory Resolutions

Commissioner Huggins had asked that the following proposals be added to the Agenda

Proposed Resolutions

The Commission shall hold a Public Hearing annually to adopt pumping limits on each aquifer.

The Commission shall adopt a Resolution limiting production of groundwater in the 1,000 -ft, 1,500-ft and 1,700-ft sands to Public Supply only and shall identify the geographical boundaries to which this Resolution shall apply.

The Commission shall hold a public hearing prior to the issuance of any new water well permit.

After much discussion it was moved (Huggins/Dawson) that #'s 1 and 3 be deferred until preparation of a Policy and Procedures document. Motion passed.

After further discussion it was moved (Walton/Huggins) to recommend Proposal # 2 to the full Commission. A substitution was made (McGehee/Morvant) that Proposal # 2 include the three sands stated above, and also the "1,200-foot" and "2,400-foot" sands and be limited to the District north of the Baton Rouge fault. Substitute failed. Vote was taken on original motion. Resolution will be published in the State Register. Motion passed.

No Committee Member Comments

No Public Comments

Motion (Morvant/Walton) to Adjourn - passed

Barry Huggins - Committee Chairman