

## Technical Committee Meeting Minutes

Tuesday, September 11, 2018

1. Committee Chairman Morvant called the meeting to order. District Executive Director Duplechin called the roll, then went around the room for introductions.

Attendees:

Commissioners:

Nelson Morvant\*– Chairman

Todd Talbot\*

Mark Walton\*

Ryan Scardina\*

Barry Huggins\*

Hays Town

Johan Forsman\*

Dennis McGehee

\*- Technical Committee Members

Others attending:

Max Lindaman, USGS

Tony Duplechin, CAGWCD Director

John Lovelace, USGS

Stuart Lambert, Layne

Michael Layne, BRWC

Frank Tsai, LSU

Bruce Duhe, Layne

Alyssa Dausman, Water Institute

Roy Waggenspack, Owen & White

**Technical Committee Chairman Morvant asked for “Public Comment” following the introduction of each Agenda Item.**

2. Minutes of the June 2018 meeting were reviewed. Commissioner Walton had some comments about the wording of item 3, review of 2<sup>nd</sup> quarter pumping rates. He also suggested that pages be numbered. Amended minutes were approved (Huggins/Morvant).
3. Planning & Specifications Subcommittee Chairman Talbot reported on that group’s most recent meeting (9-5-18) in which the Commission’s offer to Mr. Nguyen was discussed. The original offer was \$3,000.00 up front for a 12-month temporary construction servitude, with the option to extend the agreement for an additional 6 months for a payment of \$5,000.00 and a payment of \$1,500.00 for a permanent servitude for an approximate 10' X 10" fenced area with access if it was needed. Mr. Nguyen’s counter-offer was \$ 6,000.00 up front for a 12-month temporary construction servitude, with the option to extend the agreement for an additional 6 months for a payment of \$4,000.00 and a payment of \$3,000.00 for a permanent servitude for an approximate 10' X 10" fenced area with access if it was needed. Mr. Butler told Mr. Nguyen that the counter had to be approved by the subcommittee, and that any property bond issues on the land would need to be settled by him (Nguyen). The clock will start upon presentation of a check to Mr. Nguyen. It is very important that AAG Harry Vorhoff sign off on the title document that was emailed to him by Tom Butler. Discussion followed on how long it would be to get a rig on site and the hole in



the ground and the preferred location for the well on his property. Mr. Butler will attach a sketch showing the well location to the lease agreement.

Mr. Daniel recommended we look at the piece of property just to the south of the Nguyen property. Mr. Butler stated that he did and that it might be there might be title problems with the lot. It seems to be owned by one person, and it is unknown whether or not she is deceased. The committee had discussed earlier using that piece of property if Mr. Nguyen had a problem with the permanent easement being on his property, then we could deal with the adjacent landowner.

Mr. Daniel moved that the subcommittee accept the terms of the land acquisition offer to Mr. Nguyen as stated above. Mr. Walton seconded. The vote was unanimous in the affirmative.

Executive Director Duplechin briefed the subcommittee on an upcoming meeting between himself and Chairman Huggins with DOC Secretary LeBlanc the afternoon of September 25 to discuss possible use of the southeast corner of their parking lot (corner of South and St. Joseph Streets) as a possible future well site. The want to explain to him just what sort of activities would take place. Chairman Huggins has also spoken with a member of the DOA staff as well.

Commissioner Walton brought up our contract with Owen and White. He recommended that the contract be amended to address several test holes. It was explained that this is very difficult to do considering what needs to be in the bid package and to stay in compliance with public bid law. Mr. Waggenpack explained that our contract with Owen & White can be amended at any time. Mr. Huggins requested that AAG Vorhoff review the requirements and get back with us.

Retired General Honoré addressed the subcommittee and told of talks he had with the Mayor's office about a water conservation PSA. He also related that Southern University will be establishing a Water Laboratory at the SU Ag Extension Service site. SU has contracted with an expert from the University of Michigan who has technology for a less expensive way to clean up river water to make it suitable for industrial use. He will set up a meeting in the future.

4. Mark Walton reviewed the most recent pumping from the 1,500-ft and 2,000-ft sands. All pumpage was within mandated yearly limits. It was decided to keep reporting on a quarterly basis and not change the management plan requirements.
5. Dr. Frank Tsai gave the following update for the Board of Regents ITRS Projects
  - Project title: Conjunctive Management of Baton Rouge Multi-Aquifer System for Saltwater Intrusion Mitigation (LEQSF(2015-18) -RD -B-03)
  - Project period: 6/1/2015 – 8/31/2018 8/31/2018
  - LSU Accomplishments
    - Completed a Baton Rouge groundwater flow model
    - Completed a Baton Rouge saltwater intrusion model
    - Provided technical support to the CAGWCC
    - Disseminated project results through local, state, national, and international conferences international conferences international conferences international conferences
    - Published project results to refereed journals and proceedings



- Trained LSU graduate students
- Project Title: Optimized Hydraulic Controls for Managing Saltwater Encroachment in Multi-Aquifer-Fault System
- Project period: 6/1/2019 - 5/31/2022
- Objectives
  - Refine model grid along the Baton Rouge Fault
  - Update model with new test wells
  - Conduct simulations of mitigation scenarios Conduct
  - Provide technical support to the CAGWCC

#### Louisiana Board of Regents -ITRS Groundwater Availability Project

- Project title: Development of an Integrated Framework for Managing Sole Source Aquifer, Southeastern Louisiana (LEQSF(2017 (LEQSF(2017-20 )-RD -B-03)
- Project period: 6/1/2017 – 5/31/2020 5/31/2020
- Progress
  - Completed a well log dataset
  - Completed a Capital Area stratigraphy model
  - Completed a MODFLOW grid
  - Compiling pumping wells information and pumpage data

6. John Lovelace the USGS gave a progress report on “Development and maintenance of a computer model to simulate groundwater flow and saltwater encroachment in the Baton Rouge Sands, Louisiana.”

#### a. PROGRESS AND SIGNIFICANT FINDINGS:

- i. Responded to supervisor's review and colleague reviews 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." Text, tables, and figures were revised accordingly.
- ii. Modified the finite-difference model grid to exclude some unnecessary area in Mississippi and Avoyelles and St. Landry Parishes.
- iii. Revised the model grid layers for the next model iteration, which emphasizes accurate simulation of flow in the "400-ft," "600-ft," "800-ft," and "1,000-ft" sands, and saltwater encroachment in the "600-ft" and "1,000-ft" sands.
- iv. Constructed RIVER Package to simulate groundwater interaction with Mississippi River
- v. using MODFLOW and SEAWAT. Mississippi River stages for each model cell were interpolated between historical average stages at four gaging stations.
- vi. Revised the water-level observation model dataset to enable calibration with the revised model layering.

#### b. PLANS FOR NEXT QUARTER:

- i. Submit the draft report to the Enterprise Publishing Network (EPN) for editorial review and preliminary preparation for publication.
- ii. Submit the draft report for USGS approval.
- iii. Submit latest groundwater model archive for approval.



- iv. Compile historic groundwater withdrawal from the 400-ft sand, and update the model specified withdrawals through 2017.
- 7. Dr. Alyssa Dausman of the Water Institute of the Gulf briefed the Committee on the status of the CAGWCC Long-term Planning Project. She stated that since the project had not officially started she didn't have anything to hand out. She recognized that Chairman Hugghins had been working with Justin Ehrenwerth of TWIG and with CPRA to finalize this. Commissioners Hugghins and Morvant as well as the Executive Director met with TWIG to discuss the process. She stated that TWIG would be meeting individually with Commissioners individually to get everyone's perspective on their concerns and what their resource needs are. After that they will start facilitated group meetings. Four meetings over a six-month period. Different alternatives would be discussed at the meetings.
- 8. Commissioner Walton brought up the issue of funding the project using the \$5 increase in pumpage fees, suggesting the Commission hold a hearing to explain that some of the fee increase would be used to fund the project with TWIG.
- 9. Chairman Morvant asked for public comment. (none)
- 10. Commissioner McGehee announced that the Southwest Section of the AWWA would be holding their Annual Meeting in Baton Rouge October 28-30, at the Crowne Plaza Hotel.
- 11. Commissioner Talbot moved, and Commissioner Walton seconded a motion to adjourn. Passed unanimously.

There being no more business the meeting was adjourned.

Approved: \_\_\_\_\_

Nelson Morvant  
Technical Committee Chairman