

12-3-18 Technical Committee Meeting notes

Meeting was Called to order

Mr. Duplechin called Roll and went around the room for introductions.

The Previous Meetings Minutes were reviewed and approved

Morvant gave the report for the Planning & Specifications Subcommittee
Bids received for test well project were way above budget and were rejected.
Project will be re-advertised.

Commissioner Walton reviewed the most recent pumping rates from the
1,500-ft /2,000-ft sands to monitor compliance with agreed on reductions
and/or commitments

Progress report on the Baton Rouge model

John Lovelace

Assistant Director USGS Lower Mississippi Gulf Science Center Baton
Rouge

PROGRESS AND SIGNIFICANT FINDINGS:

Completed editorial review 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.

Submitted the draft report for USGS approval.

Completed colleague review of the model archive: "SEAWAT model archive of Chloride Transport in the "1,500-Foot", "2,400-Foot", and "2,800-Foot" Sands of the Baton Rouge Area, Louisiana".

Submitted groundwater model archive for USGS approval.

Compiled historic groundwater withdrawal from the 400-ft sand and updated the specified groundwater withdrawals for the model multi-node well package.

PLANS FOR NEXT QUARTER:

Obtain USGS approval for model report and archive. Prepare the report for publication.

Simulate historic groundwater flow within the "400-ft," "600-ft," "800-ft," and "1,000-ft" sands, and conduct initial calibration of parameters representing simulated aquifer properties by optimizing the fit of simulated to observed

historic water levels.

Construct model files for simulating chloride transport in the “600-ft” and “1,000-ft” sands.

Frank T.-C. Tsai Reported on the Board of Regents ITRS Projects, PROGRESS

Presented a poster to the Southwest Section AWWA, “Saltwater scavenging optimization for the Baton Rouge aquifer system”, Baton Rouge, Louisiana, Oct. 28-30, 2018

Submitted an abstract and will present a poster “Bayesian chance-constrained saltwater scavenging design for deep aquifers under surrogate uncertainty” to 2018 American Geophysical Union Meeting, Washington, D.C., Dec. 10-14, 2018

Simulated chloride concentrations at the scavenger well system near North Street

Louisiana stratigraphic modeling

Barry Hughhins gave an Update on Long Range Planning Project
several planning meetings hope to start just after first of the year
First thing is to interview Commissioners individually
Contract should be signed shortly

No Committee Member Comments

No Public Comment

Meeting was adjourned