




LOWER PLATTE SOUTH natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581
P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

Agenda Item #12

Memorandum

Date: December 12, 2019
To: Each Director
From: Paul D. Zillig, General Manager 
RE: Water Resources Subcommittee Meeting Minutes.

The Water Resources Subcommittee met in the NRD Office at 5:30 p.m. on Wednesday, December 11, 2019. Subcommittee members present included Bob Andersen, Karen Amen, Vern Barrett, Greg Osborn, Chelsea Johnson, and Don Jacobson. Others present included Larry Ruth, Neil Johnson – Phoenix Web Group, Jim Cannia – Aqua Geo Frameworks, Dan Snow – Nebraska Water Center, Steve Herdzina, Dick Ehrman, Jared Nelson, Dan Schulz, Mike Murren, Katie Cameron, David Potter, and myself.

Chair Andersen opened the meeting and called on Steve Herdzina, Water Resources Compliance Specialist, to report on the proposed groundwater database modifications. Herdzina reported that the main modifications will be to calculate and communicate the Dwight-Valparaiso- Brainard SMA “rolling average” calculations and improve accessibility with property ownership information at the County Assessor’s Offices.

Herdzina reported that staff negotiated the attached agreement with Phoenix Web Group to do the necessary work at a cost of \$32,600. The Subcommittee discussed the proposal process, reviewed the working relationship and previous work done by Phoenix Web Group, and Johnson answered questions concerning the proposed contract with Phoenix Web Group.

It was moved by Jacobson, seconded by Osborn, and unanimously approved by the Subcommittee to **recommend the Board of Directors approve a professional services agreement with the Phoenix Web Group for water resources database improvements, in the amount not to exceed \$32,600, pending legal counsel review.**

The next item on the agenda was to consider a proposed statement of work (attached) for additional vadose zone work in, primarily, wellhead/Community Water System Protection Areas. Dick Ehrman, Water Resources Specialist, and Dan Snow explained the proposed work and answered questions. A further breakdown of the \$25,470 in “Other Direct Costs” was requested by Barrett (it is attached). The Subcommittee was

supportive of this work, they discussed their interest in other future sampling sites and the groundwater age dating information and profiles to be produced of the vadose zone.

It was moved by Amen, seconded by Barrett, and unanimously approved by the Subcommittee to **recommend the Board of Directors approve a contract for \$44,663 with the University of Nebraska-Lincoln to complete field and lab work and a report on the Characterization of Vadose Zone Transport and Groundwater Nitrate Attenuation in the Lower Platte South NRD.**

The next item on the agenda was to consider having the Board issue the required Order for the Groundwater Rule and Regulation modifications that were approved by the Board at the November Board Meeting. Ehrman explained and reviewed the attached order.

It was moved by Osborn, seconded by Jacobson, and unanimously approved by the Subcommittee to **recommend the Board of Directors approve the Order Adopting Changes to the Lower Platte South NRD's Rules and Regulations Pursuant to the Nebraska Ground Water Management and Protection Act.**

The next item on the agenda was to consider repairs to Plattsmouth Watershed Structure 7-C. Jared Nelson, District Engineer, reported that the Nebraska Department of Natural Resources completed a video inspection of the pipe and noted that a "rubber gasket dislodged from a conduit joint" in the principal spillway/pipe. This joint must be repaired to ensure a pressure tight seal. Under agreement with the City of Plattsmouth, these types of repairs are the responsibility of the NRD.

Nelson reported that staff negotiated the attached professional services contract for an estimated cost of \$15,918 with FYRA Engineering for the design, bidding, and construction observation of the repairs to slip line the existing principal spillway pipe.

It was moved by Osborn, seconded by Amen, and unanimously approved by the Subcommittee to **recommend the Board of Directors approve a professional services agreement with FYRA Engineering, LLC in an amount, not to exceed, \$15,918 for the Plattsmouth 7-C Spillway Rehabilitation Project, pending legal counsel review.**

The next item on the agenda was a report by Jim Cannia of Aqua Geo Frameworks on the Airborne Electromagnetic Survey results for the latest project in primarily the western portion of LPSNRD with more detailed surveys in the CWSPA areas for Ceresco, Davey-Raymond, Malcolm, Garland, Pleasant Dale, and Denton. Cannia reported that they completed 1,990 miles of flight lines at a cost of \$850,000. The results showed areas of hydrological connections between surface and ground water, areas of salt water, the importance of the Dakota sandstone aquifer, and they "identified several paleo channels that were mostly not filled with saturated material". Ehrman will present a summary of Cannia's presentation at the Board Meeting.

The next item on the agenda was an update by Potter on the status and remaining Board actions for the Upper Salt Creek 3-A Watershed Rehabilitation Project near Sprague.

Potter reported that in order to start construction next spring the NRD will need to receive the 404 Permit from the Corps, an agreement will be needed for the relocation of a Lancaster County Rural Water District #1 water line, agreements and minor relocations for Norris Public Power and Windstream utilities, a professional services contract for construction observation services for reconstructing SW 2nd Street, and hopefully in March to bid and award a contract for the construction of the project.

The final item was a report by Mike Murren on the construction activities at Oak-Middle 82-B north of Garland. Murren reported that the site was very muddy which has hampered progress on the project. Murren visited the site earlier in the day and reported the conditions had dried up some/improved and he showed several pics of the contractor's work to complete the plunge pool just downstream of the dam.

There being no additional business the meeting adjourned at 7:00 pm.

PDZ/pz

cc: Steve Seglin
Corey Wasserburger