

Little Blue Natural Resources District

August 16, 2017

TO: **WATER RESOURCE COMMITTEE – Warren Brakhahn, Lyle Heinrichs, Mason Hoffman, Kevin Kissinger, Jay Meyer, Lyle Schroer, Steve Shaw, Matt Spencer, Gene Thomas, Alan Wiedel, Randy Uhrmacher**

CC: **All Board Members, NRCS**

RE: **Water Resources Committee Meeting**

DATE: **Tuesday August 22, 7:30 p.m.**

PLACE: **Board Meeting Room, LBNRD Office, Davenport, NE**

AGENDA ITEMS

1. **Review McCrometer DuraMag Flow Meter**

A sub-committee was appointed to review the new McCrometer DuraMag ultrasonic flow meter. Their recommendation for its' use in the LBNRD will be available at meeting date.

2. **Wind Tower Construction**

Consolidated set up a concrete plant on the SW½ 19-4N-9W for wind tower bases, they calculated to pour the concrete it will require 3,600 gallons of water per hour, 10 hour days, construction time frame of 18 days. This is 648,000 gallons, or 23.8 acre inches, enough to put 12 inches of irrigation water on 1.9 acres. Construction is on-going, they are counting the number of times a portable holding tank is filled to report use.

Terra Firm has been buying water from Blue Hill to compact roadways. The City clerk reports that they purchased 474,400 gallons and have left notice that this work is completed. This is 17.4 acre inches, enough to put 12 inches of irrigation water on 1.4 acres.

3. **Transfer Request**

John Mumm has a request to transfer groundwater for irrigation to the adjoining quarter. The location is from SE 31-4N-01W to the SW of the same section. Irrigation well G-135552 is 209 feet deep and test pumped 1200 gpm. It currently irrigates a full circle pivot of 135 acres, the transfer is for a 3 tower pivot or SDI to irrigate 25 acres of current cropland.

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4. Review Agency Comments for Groundwater Management Plan

DNR has consulted with the other state agencies about our draft Groundwater Management Plan and is compiling those comments for us. We should have that information for the meeting review and discussion.

5. General Discussion of Rule Changes

- a. Stay, will it go away or become permanent?
- b. There has been discussion of denying well permits based on a ranking system. There are 3 attachments with this item; a summary of the soil and aquifer scores from LBNRD's scoring system that came in below 100, a summary sheet of what LENRD uses to approve new irrigated acres, and 3 Lower Big Blue NRD score sheets with sites in our district ranked by their scoring system. Lower Big rules state for approval the permit has to be above 200, staff has said that since May of 2014 only about 30% of the well permits have passed. Both Elting 1950 and Steve Schmidt would not have been approved using their scoring system.
- c. Other rules discussion.

6. NET Grant

The Little Blue NRD has received a request to consider submitting a NET Grant to look at groundwater movement and re-charge in the western portions of the District. The grant request be a collaboration of Tri-Basin NRD, UNL's Conservation and Survey Division (CSD), and Little Blue. The study funded by the grant would be completed by CSD and include geologic test holes, monitoring wells, and age dating of groundwater to better understand flow rates and re-charge. More info available by meeting date.

7. Other Business