

Regular Board of Directors Meeting
Monday, May 10, 2021 6:00 PM
Lower Platte North NRD Office
P.O. Box 126
Wahoo, NE 68066

1. Call to Order

NOTE: The agenda is on file at the LPNNRD office and may be changed up to 24 hours prior to the meeting as scheduled.

1.A. Meeting Notice

1.B. Inform Public on Location of Copy of "Open Meeting Act"

1.C. Pledge of Allegiance

2. Roll Call

2.A. Introductions

3. Approval of Agenda

Are there any additions or corrections to the agenda?

4. Comments - Advisors/Guests

4.A. Guest Comments

4.B. NRCS Report

4.C. NARD Report

4.D. NRC Report

4.E. Managers Report

4.F. Education Program

Allen Gerhing and Missy Baier from the NRCS to discuss Wahoo Creek Dam Site Planning and Site 83 investigation.

5. Approval of Minutes

Are there any additions or corrections to the minutes? If not they will be approved on the consent agenda.

6. Report of Standing Committees

6.A. Executive Committee - Action as Required

6.A.1. UNFINISHED BUSINESS

6.A.2. MEETINGS

6.A.2.a. Pending

6.A.2.a.1. NARD Basin Tour

Attached find registration and invite for the 2021 NARD Basin Tour. The tour will be in Omaha June 7-8. See attachment for all details.

6.A.2.b. Reports

6.A.3. MANAGEMENT ITEMS

6.A.3.a. Directors Absence

6.A.3.b. Monthly Education Program

6.A.3.c. Diode Technologies - Software Warranty - Phone System

The NRD recently received a quote from Diode Technologies of \$1,551.93 to install the yearly warranty updates for the Phone System (Zultys). Diode Technologies will keep the newest Firmware and Patches to repair any issues that Zultys have found with the Software, along with all the newest security features.

6.A.3.d. Open Meeting Act

Changes to the Open Meetings Act as amended by LB83E - NRD's are one of the entities which

are allowed to meet virtually provided that reasonable advance publicized notice is given providing access to the link, arrangements are made if someone wants to attend in person (with at least one member of the board there), copies of documents are available, and no more than half the meetings each year are held remotely.

6.A.3.e. Bill.com - Approval of Bills - Adding Director

When we first got setup on bill.com for paying our bills the District had all four elected officers trained in bill.com. We need to get at least one officer trained/signed up to approve bills in Bob Hilger's absence.

6.A.3.f. Formal Naming of Wanahoo Education Building

Staff would like to know if there is interest in naming the education building at Lake Wanahoo. A suggestion has been the Clint Johannes Education Building in honor of past LPNNRD director. Clint put in a lot of work with the NRC while he was on the board securing funding for the entire Wanahoo project.

If there is interest in naming the building, is there any other ideas of individuals and/or groups to honor?

6.A.3.g. LARM Insurance claim

Gottschalk will provide an update on the progress of our most recent claim and information on our LARM coverage.

6.A.4. EQUIPMENT

6.A.5. PERSONNEL

6.A.6. FINANCE

6.A.6.a. Approval of Financial Reports

6.A.6.b. Approval of Managers Time and Expense Sheets

6.A.6.c. Accounts over 90 Days

6.B. Operations Committee - Action as Required

6.B.1. UNFINISHED BUSINESS

We have no unfinished business.

6.B.2. WILD NE AND OTHER PROGRAMS

Scott Luedtke with Game & Parks Commission has put together an agreement (attached) between the NRD and G & P for a grant through the Federal Aid in Wildlife Restoration Program in which we will eliminate volunteer/invasive trees on the wildlife areas of Lake Wanahoo. The grant and/or expense is not to exceed \$20,000 of which 75% is covered by Game & Parks and 25% the NRD. Also attached is the bid document for contractors. The District will advertise in a newspaper for 3 weeks, bids are due May 31st and work to be completed by October 31, 2021 and follow up treatment by June 30, 2022.

6.B.3. OPERATION & MAINTENANCE & OTHER ITEMS

The O & M crew has packaged trees and delivered them and have started planting. We continue to monitor beaver problems on two Cottonwood dams. Regular vehicle maintenance.

6.B.3.a. Clear Creek Levee Repairs by Corps of Engineers

The Nebraska Army National Guard are doing multiple projects with the Guard Camp. They are trying to de-water the area around Turner Lake which is supposed to drain through the levee into the Salt Creek Floodway to the Platte River (see attachment). Water cannot drain from the lake to the river for two reasons, 1) the outlet culvert is at elevation 1052.88. 2) the fill in the floodway is at elevation 1056.5.

In the process of refurbishing the floodway, the COE and/or Contractor missed that the channel from the Turner Lake culvert should not be filled. The question is being asked if the Turner Lake culvert was placed at the wrong elevation when the old CMP was replaced a number of years ago. The average annual Platte River flow elevation is between 1054-55 therefore river water/silt would be backing up the Turner channel most of the time.

The Corps is researching the hydraulics within the floodway to determine how much fill will be taken out and hope to have the contractor back here very soon.

At the same time, the contractor will also complete an area of fence that was not closed in at the major breach location north of Co. Rd F. After the fact we found out the neighbor grazes the property next to the levee, so we need a continuous fence.

6.B.3.b. Wanahoo Stilling Basin - (FEMA)

The Wanahoo lake level has been kept below the weir giving Valley Corp. the opportunity to work in the basin. Valley is attempting to de-water the basin and have started welding the framework to the sheet pile for the brackets, progress is slow. Valley Corp worked on constructing the gabion basket mounting brackets in their shop, began constructing baffle rebar and formwork. When the stilling basin was pumped down, several chunks of concrete were seen sitting on the concrete basin apron. Upon further investigation it was found that the concrete was from the apron of which scouring had developed at the north central end of the apron near the flip bucket outlet structure. FYRA will document the location of the scour hole and add it to the As-Built plans. The District can also make a request FEMA in making a repair to this damage. FYRA will develop a fix and cost estimate.

The most current invoice from FYRA is attached. There is \$7,574.38 remaining on the contract.

The original bid was to be substantially complete by late February and completely done by 31 May. Given rate of work to date, the end of May is going to be a stretch to get all the work done.

This prolonged schedule and all the coordination/discussion work that took place while nothing was being completed in the field has the engineering budget stretched.

At Eric Suing's rate, there is about 68 hours of his time left on the contract.

As you will also see on this invoice, we documented time spent on the change in design to deal w/ the concrete lip on the RCC apron edge. That totaled \$6,138.75 and is shown on page 2, this has already been paid.

If we added that out of scope amount to what is remaining, we are at \$13,713.13. That still doesn't quite get us to full time on site this month.

With the work ahead of us, watching for boils and directing the future underwater work seems critical.

If Valley Corp will be done by 31 May, we will need not only the current out of scope work (\$6,138.75) added back into the contract, but perhaps another \$12k or so equaling \$18,138.75. This would get us to 40 hours per week for Eric, and Mike for the next five weeks. That would at least get us to 31 May.

6.B.3.c. Western Sarpy Clear Creek Levee O & M Manual

The O & M Manual is not complete for the Western Sarpy Clear Creek Levee. The Papio-Missouri NRD is pushing to have the manual completed and anything on the project that is not complete will be put into the Manual as an addendum. Our District's stance is, since it has taken so long to get this far we would rather have it completed without addendums.

The possible addendums would be for the area of the levee within the Guard Camp being upgraded and is at 90% completion, any environmental components on either side of the river, and potentially the current changes within the Salt Creek Floodway.

6.B.3.d. Conservation and Arbor Day Trees

The District has purchased 11,775 conservation trees and we have 12 sites to plant. The Arbor Day Trees have been distributed to Fremont Eco-Fair 475, Newman Grove School 35, North Bend Elementary 45, and Conservation Sensation will use 220.

6.B.3.e. Haying on Recreational Grounds - Bid Opening

Hay bids for the recreation areas were due Wednesday, April 28th at 4:00 p.m. Bids were opened during Committee meeting.

See the attached spreadsheet.

6.B.4. ROCK AND JETTY

We haven't had any request or applications.

6.B.5. LAKE WANAHOO

6.B.5.a. Lake Wanahoo Permit Sales

For the month of April, as of 4/28, the District has received \$11,927.50 in annual park permit revenue. Year to date revenue totals \$46,837.50. The year by year breakdown for the month of April is listed below.

Month	Monthly Total	YTD Total
April 2021	11,927.50	46,837.50
April 2020	10,390.00	37,932.50
April 2019	10,407.50	39,497.50

6.B.5.b. Lake Wanahoo Camping Revenue

For the month of April the District has received \$2,503 in camping revenue. The YTD camping revenue total is \$26,410.57.

6.B.5.c. Lake Wanahoo Education Building

During the month of April, the building was rented 22 times. This number includes 1 NRD/NRD-involved meetings, and 9 youth events. Revenue for month of April \$1,140

6.B.5.d. Sprinkler system for Wanahoo Education Building

As we are finalizing our reimbursement request to NRDF, there will be available funding under our current approval. Staff has requested bids for a sprinkler system for the area around the building with the intention of receiving 60% cost-share reimbursement on the work. Bids received by Wednesday 4-28-21 are attached.

6.B.6. INFORMATION AND EDUCATION

6.B.6.a. Information

6.B.6.a.1. Radio & eAds

April's KTIC ad and Wahoo Newspaper e-ad are attached. We featured all three recreation areas this month.

6.B.6.a.2. Analytics

6.B.6.b. Education

6.B.6.b.1. Past and upcoming events

- April 1st Coffee Lakeside: April Gardening Activities.
 - We had 6 attendees, and the conversation went really well.
- Field trips
 - April 21st: Wahoo 1st graders; 68 kids; 9-2:30.
 - April 22nd: St. Wenceslaus Pre-K; 22 kids; 11-1:45.
 - April 23rd: St. Wenceslaus 4-6th; 111 kids; 9-2:30
 - April 26th: St. Wenceslaus Pre-K; 23 kids; 9-11:45
 - April 27th: St. Wenceslaus K-3; 142 kids; 9-2:30
 - Stations included: nature hike, disc golf, fishing, crafting nature journals, hunger games, free exploration time, kickball, and a pontoon ride with David Ruder of Live Well Go Fish.
- April 26th: John Miyoshi presented to our 8th grade survival club on all things fishing.
- May 5th: 30th annual Spring Conservation Sensation
- May 6th: Coffee, Lakeside: Migratory Bird Month with Paula Hoppe.
- May 12th: Field trip for Wahoo 3rd graders (80 kids)
- May 20th: Wahoo head start Lake Day
- May 28th: Outdoor Recreation Day
- June 1st: Kids summer institute--Disc Golf
- June 2nd: UNL Herpetology Day
- June 3rd: Coffee, Lakeside, Fishes of Nebraska with Mike Luben
- June 4th: National Trails Day: Grand Opening of our new trails
- June 8th: Kids summer institute: Friendship rocks
- June 9th: Kids summer institute Water wonders and Nature Hike
- June 11th: Ag Tour
- June 24th: Drive in Movie Night at the Lake for 151 Celebration
- June 27th: Family shore fishing tournament and kayak scavenger hunt (151 Celebration).

6.B.7. RURAL WATER SYSTEMS

6.B.7.a. Colon System

Routine monthly sampling completed, meters read and bills finalized.

6.B.7.b. Bruno System

Waste Connection's new 2 inch service line is nearly completed; we are waiting on our backflow prevention device that has been on back-order, but is supposed to ship 4/29. Routine monthly sampling completed, meters read and bills finalized.

6.B.7.c. Other

6.C. Water Committee - Action as Required

6.C.1. UNFINISHED BUSINESS

6.C.2. REGULATORY

6.C.2.a. GROUND WATER MANAGEMENT AREA

6.C.2.a.1. Variance Letters for Non-Compliance

Attached are a couple of letters that staff plans on sending out to 2 producers to inform them that their variances will be voided. Gaylen Kamrath told staff the land where the well is located, is being sold and do not plan on using that well for irrigation. Jim Lamprecht has not irrigated this tract since 2016 by aerial maps, so just want to inform him that irrigation cannot continue without a new variance. Mark Young is the owner of the property that Jim Lamprecht is tenant.

6.C.2.a.2. Variance Requests Expansion with allocation

Sylvia Waters applied for an expansion of acres variances with an allocation for the S $\frac{1}{2}$ NE $\frac{1}{4}$ Section 15-21N-5W. The well that will be supplying the water is G-144086 owned by Brad Wallin. Brad is in agreement on using his well and will be supplying a letter to that effect. The allocation on this well will be 13.01 inches over a 3-year period. They both understand that they will have to commit to 3 years before reapplying for a variance that will not include an allocation. A water flow meter is already installed on this well.

Variance information:

Staff calculated it out for 65.5 acres, 371 ranking score and 8.68 Acre Feet Depletion. Irrigated Land currently - 70.44 acres
3 years allocation for adding the extra 65.5 acres (assuming 27 inches) - 13.01 inches over a 3-year period.

6.C.2.a.3. Well Permit Program

6.C.2.a.4. Well Permit

John Larson purchased a tract of land in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 35-18N-8E. There is certified irrigated acres on this tract with water being supplied by G-051311 located in SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 34-18N-8E. John is requested a new irrigation well for this tract of land, which will irrigate about 18-23 acres.

6.C.2.a.5. Special Quantity Subareas

Tim and Dave Kastl have asked about moving irrigated land in a quantity management area that a different producer will not be irrigating anymore. This same producer has brothers, and they are in the process of splitting up the land. This tract of land has 2

pivots supplied by 1 well. They were wondering if a well could be drilled in a special quantity area? The rules say no new wells.

Committee discussed as this tract of land has certified irrigated acres, that the Kastl's could apply for a new well permit in SQS #1 Management Area. They would like staff to inform them that conditions could be placed on the new well. The Committee would like a PVC pipe installed next to the well with a data logger, so NRD staff can obtain information during the pumping season. If this well causes conflict to other wells during the pumping season, the well could be shut down. This well would be located in the SQS #1 management area, so a water flow meter would be required with a 27-inch rolling allocation.

Letter and map attached

Katie Cameron Comments with her interpretation maps:

This area is really interesting and took more evaluation than usual. Luckily this location had a S-N line both east and west of Sec 36 plus a W-E line to the south that showed pretty consistent main aquifer material and thickness (looks partially saturated based on the static on registration and 1995 regional level). The AEM is not showing the bottom blue gravel units that are logged across the whole area as resistive but there is a consistent upper fine unit and a lower gravelly unit east west northwest and south. The aquifer also looks to be in potential connection with the DVB special management area in LPSNRD to the south and that deeper paleochannel - I don't know what to say about well interference issues and in season pumping declines in that area potentially affecting this area to the north. It appears to me that the main aquifer unit (top and bottom surfaces) spanning the District boundary dips generally down to the south (moving S-N profile images west and east of irrigation well cylinder attached as images too). LPSNRD has a monitoring well (Stava) with transducer 1.5 miles SW of this location, I checked the most recent WLs and they appear to swing down 70 ft from an elevation similar as reported for the onsite irrigation well (1395 reported on reg.) to 1331 elev. during irrigation season (Sept 2020). We can talk about that and I am sure Dick knows much more than me about his area up there but the site is "up hill" from the confined pressures in that area. If I didn't know about all the irrigation wells to the south and southwest I would say go toward the SW corner of the NW1/4 for a better spot and see how that lower sand and gravel looks thickness wise on AEM. BUT the lower thick gravel unit is not showing up to the SE, is there a high TDS problem in this area that you know of? There is a suspicious low resistivity zone plotting below the gravels on the AEM (I put question marks) AGF interpreted as shale dominant Dakota.

I really am not sure but the west S-N line shows a little more saturated thickness and the unit is not tending to dip down to the south as much as the east S-N line possibly BUT there is definitely some shape variance to the unit geometry in that area indicating a pattern of deposition that needs more study (are they indeed the same depositional event across the NRD boundary or not). The surrounding well logs also show consistent thick fine sand unit clay between and "blue or green" sand and gravel at the bottom above bedrock (not 100% if the "oaker" or shale at bottom is Dakota - see notes on logs but likely is). I put thicknesses and elevations of units in red text on the logs for general reference because they do vary. The bottom gravel ranges from 10ft thick (G-120156 stock well) to the northwest to 58 feet thick (G-055773 irr well) in Sec 31 R5E to the east. I believe the part of the aquifer across section 36 is thinner in general than to the west and it appears on line L139601 to the east to be pretty thin near the SE corner of the NW ¼ of Sec 36

BUT is there a groundwater quality issue affecting the resistivity values? I attached one ENWRA Archive BUT-113 PDF that shows 1740 TDS but it is like 5-6 miles north. I just don't know.

There are a lot of notes on this so let me know when you have time to discuss if needed before getting back to Kasti.

6.C.2.a.6. SURFACE WATER TO GROUND WATER

Norbert Foltz is interested in converting a surface water permit to a groundwater permit by drilling a new irrigation well. The tract of land is in the NW¼ NW¼ 28-18N-1W in Platte County from Shell Creek.

Committee told staff that Nobert Foltz could apply for a groundwater well permit and relinquish the surface water permit with no increase in acres.

6.C.2.a.7. Lower Platte River Basin Water Management Plan Coalition (LPRBC)

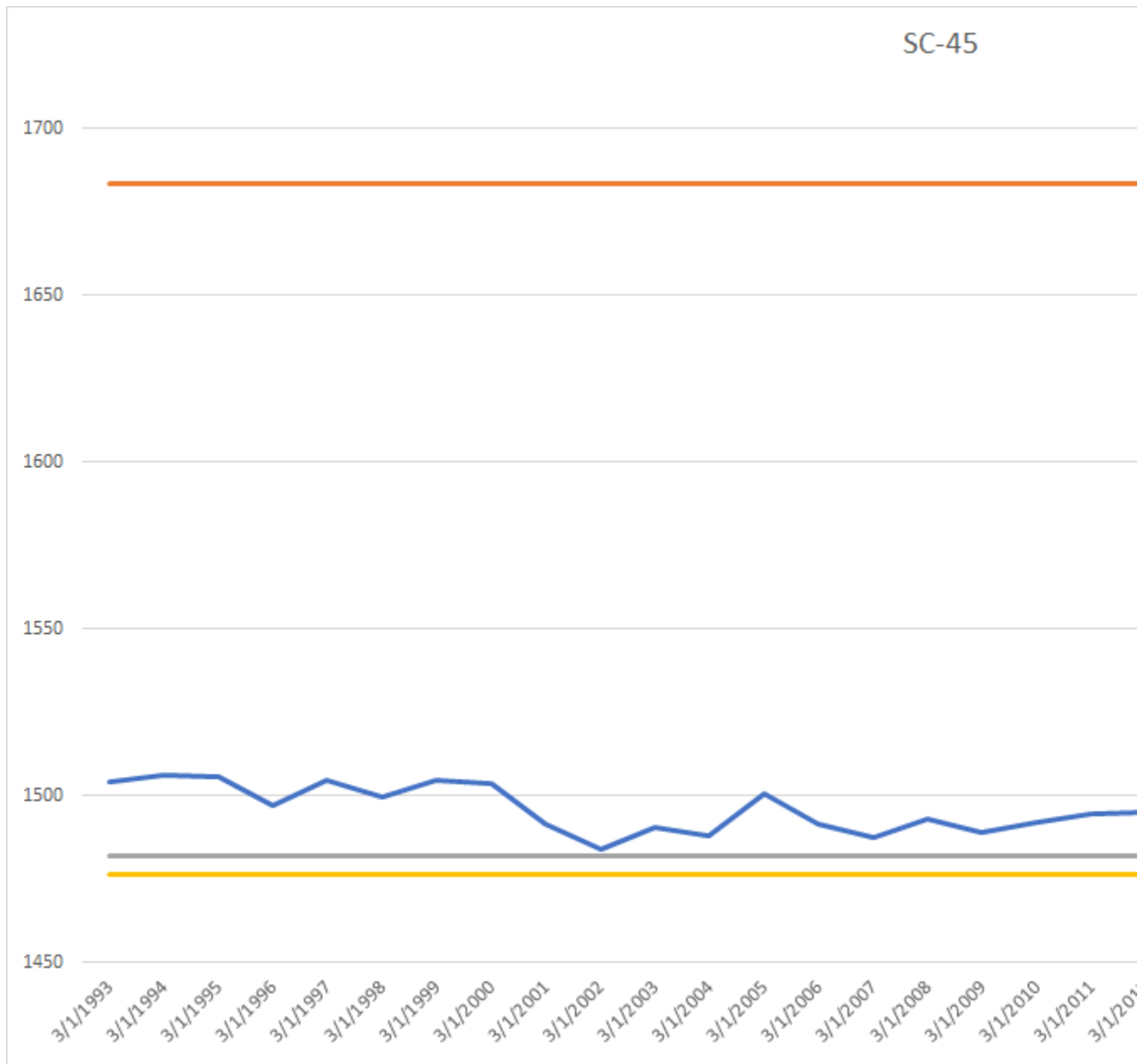
Coalition directors met on April 27 with a report given at the Committee meeting showing the depletions during the first 5-year allotment from the all 7 NRDs and NeDNR. (attached) The Lower Platte North has used 48.1% of its allowable depletion leaving 51.9% remaining. The remaining amount can be carried over into the next 5 years, which will start in 2023. The Budget was approved, which will include a study from HDR and Flatwater to assist in determining the next 5-year allotment. Within the Budget (attached) are dues from each agency for \$10,000 in the upcoming year.

6.C.2.b. CHEMIGATION

For 2021 we have 300 renewals and 8 new permit applications for a current total of 308. Inspections for 0 renewal permits have been completed. In 2020 the LPNNRD had 748 active permits.

6.C.2.c. GROUND WATER ENERGY LEVELS

Spring 2021 groundwater levels report is attached. Example graph is attached showing only spring readings.



6.C.2.d. Flow Meters

Two meter companies want their meter added to the LPN approved Meter List. Information follows on both with attachments from McCrometer.

A few quick points on the McMag2000:

Accuracy: ±2% of reading guaranteed throughout full range; ±1% over reduced range; calibrated in our NIST traceable test facilities. Repeatability of 0.25% or better.

Warranty: 5 years, Bumper to Bumper

Requirements: 5D upstream, 2D downstream - Simple installation through a 3" hole

Fitting Type: Retrofit available using Mc® Propeller saddle.
Line size: 4" to 12"
Power: Battery-powered, DC power optional
Register: Standard instantaneous flowrate indicator and nine-digit straight-reading totalizer
Hermetically sealed within a die-cast aluminum case
Includes a domed acrylic lens and a hinged lens cover with locking hasp
Pulse-out available for system integration IP67 to protect from harsh environments
Retrofit: Parts kits are available to upgrade a mechanical McProp to an McMag2000

C-Isolution is also interested in adding there meter to the meter list

Meter Specifications

MATERIALS:

Totalizer:

- **Water Resistant ABS Enclosure: Dimensions - 5" x 7" x 3 ½" |**
- **Clear Polycarbonate S2000U Enclosure Cover**
- **Rate Display: Liquid Crystal Display**
- **Totalization Display:**
 - **Nonresetable Electromechanical**
 - **LCD display**
- **Battery Life: estimated 5 years**
- **Environmental Temperature Range:**
 - **Operational: -4 F to 140 F | -20 C to 60 C**
 - **Storage: -20 F to 165 F | -40 C to 74 C**

Transducer:

- **PVC: Type 1, GD 1, ASTM-D 1784, CL-12454-B, optional**
- **Impeller: Kynar - 720**
- **Shaft: Tungston-Carbide Steel: Grade C-2 (WA2), ROD-RRG-8**
- **Bearings: Ceramic - 99.7% Alumina**

PROGRAMMING:

- **Totalizers can be programmed to give the following readings:**
 - **Rate = GPM**
 - **Total = Gallons**
 - **Total = Acre Inch**
 - **Total = Acre Feet**
 - **Total = British Imperial Gallons**

INSTALLATION:

- **Full Pipe**
- **Straight Run**
 - **Minimum 10 Pipe diameters upstream**

- 5 Pipe diameters downstream
- Pipe Orientation
 - To your convenience, top half of pipe
 - 2 or 10 o'clock position only if small sticks are present in water
 - 12 o'clock orientation preferred
 - Horizontal or vertical upflows
- Pipe Sizes: 1 ½ inch to 20 inch (900R)

PERFORMANCE:

- Accuracy: + or - 2% with a proper installation
- Flow Range: 1 to 20 feet per second
- Operational Temperature: -4 F to 140 F / -20 C to 60C
- Pressure 150 PSI maximum

PIPE LINE CONNECTION:

- 2 inch NPT coupler
- Saddle mount
- Straightening tube, with or without flanges
- Ball valve

CABLE:

- 22 gauge shielded 2 conductor with drain
- PVC jacketed cable with 2 position Weather Pack
- 15 feet provided
- 1000 feet maximum

6.C.3. GROUND WATER PROGRAMS

6.C.3.a. DECOMMISSIONED WELL PROGRAM

6.C.3.a.1. Well Estimates

new wells has been reviewed and approved for decommissioning since the last Committee meeting.

Well Owner	Type of Well	Cost Share Estimate	County
David Pieke	Irrigation	\$1,000	Madison
Gaylen Swartz	Stock	\$576.83	Saunders

6.C.3.a.2. Plugged Wells

wells have been plugged, reviewed, and ready for cost share payment approval this month.

Well Owner	Type of Well	Cost Share Estimate	County
Dwaine J Schmit & Selma S Trustees	Irrigation	\$1,000	Butler

6.C.3.b. LOWER PLATTE NORTH NRD GROUND WATER STUDIES

6.C.3.b.1. Phase Area Update

Attached is some discussion bullets for the Committee to consider for the Nitrogen Management Areas.

Committee would like the nitrogen management areas to be a priority and the Water Department needs to re-evaluate the current department tasks and their importance. The Water Department should use the current staff to accomplish the goals for this area. The Committee would want to provide incentives to the producers to encourage practices that would improve the nitrate levels in the groundwater. They would like to continue communication with the bordering NRDs and to consider options for recycling the high nitrate water. More discussion will be held at the next Water Committee Meeting.

A draft agreement for finishing the vadose work from the Demonstration fields is attached. The amount LPN will owe is \$2,640, which will be submitted to the NET grant for reimbursement after receiving the invoice.

6.C.3.c. NEW MONITORING WELLS

6.C.3.d. Dewatering well

Attached is a map in which another sub-division has called in a complaint.

6.C.4. SURFACE WATER PROGRAMS

6.C.5. OTHER

6.C.5.a. COMMENTS FROM THE PUBLIC

6.D. Projects Committee - Action as Required

6.D.1. UNFINISHED BUSINESS

There is no unfinished business to address.

6.D.2. SWCP

6.D.2.a. SWCP Application Approvals

Listed below are five qualifying applications for our 2021 summer SWCP program.

2			
1-	HARTMAN	\$	
S-	FAMILY IRR	9,49	
1	TRUST	2.85	GRASS WW
2			
1-		\$	
S-	RANDY/RIC	10,000	TERRACE/WASCOB/T
2	K BERANEK	.00	O
2			
1-		\$	
S-	DENNIS	10,000	
3	BERANEK	.00	WASCOB TO
2			
1-		\$	
S-	RUTH	10,000	
4	WIDMAN	.00	TERRACE TO
2			
1-		\$	
S-	DAVID	10,000	
5	SLOUP	.00	WASCOB TO

6.D.2.b. SWCP Payments

Bil Bos submitted paperwork for the emergency repair work that was approved on Jon Gehring's basin project. To qualify for "emergency repair" the structure damaged must be less than 2 years old and originally built to NRCS standards and specifications. Approved amount was the SWCP policy max for emergency repair (50% of \$2000 = \$1000.00) and the bill came in at \$970. That would make a claim of \$485.00.

6.D.2.c. SWCP Cancellations

6.D.2.d. Wahoo Creek Cost Share Approvals

6.D.3. WATERSHEDS

6.D.3.a. Shell Creek

6.D.3.a.1. Shell Creek Environmental Enhancement Plan Implementation

6.D.3.a.1.A. Tom Sprunk Bank Stabilization/Wetlands Project

Bill Bos reported that NRCS has reevaluated the Tom Sprunk Wetlands/Stabilization Project and is recommending some additional rock rip-rap that appears should have been included with the original project. The additional rock has a contractor estimate of \$4,150 as attached. LPNNRD provided 75% toward the original project. Committee consideration for approving assistance is requested. The additional assistance will be reimbursed from our Shell Creek grants.

6.D.3.a.1.B. Update on Shell Creek Channel Improvement/Benching Project @ U.P. Railroad Bridge Replacement Project - Matt Bailely

6.D.3.a.1.C. Shell Creek Grant Funding Update

No new update. NDEE is working on a grant contract addendum to provide an additional \$225,000 of EPA 319 funds for the Shell Creek Watershed.

6.D.3.a.2. SHELL CREEK ENVIRONMENTAL ENHANCEMENT PLAN APPLICATIONS

SEPTIC SYSTEM UPGRADE:

MIKE DVORACK \$4,800.00

LIVESTOCK WATER:

RIVER \$ SOLAR
ROAD 14,265.2 PUMP/WEL
INC 4 L

FILTER STRIP

REECE/BEA \$ 3,45 R
U KLUG 6.48 STRIP

6.D.3.b. Wahoo Creek Watershed

6.D.3.b.1. Wahoo Creek Dam Site Planning Update & FYRA Invoices - NRCS Discussion @ 8 a.m.

As reported last month, NRCS investigated Wahoo Creek Dam Site 83 for evidence of additional archeological findings on March 30 & 31. FYRA has calculated economics based on 11 dam sites, including Site 83, and is waiting to finalize things until NRCS makes a determination regarding the site. Allen Gerhing and Missy Baier, NRCS, will join the committee at 8:00 p.m. to discuss the findings and possible options for moving forward with completing the Wahoo Creek Watershed Plan. Our plan to have Missy also present this information at the May 10th Board Meeting.

Mike Sotak, FYRA, has outlined two paths moving forward with Site 83 and without. Once NRCS outlines what options are allowable, the Projects Committee and Board will be asked to select a path and move forward. We have also plan to meet with NRCS at 10 a.m. on May 26th to discuss options and timelines for proceeding. After the Projects Committee Met, FYRA submitted a \$833.75 invoice as attached. After this contract payment, \$17,052.50 will remain on our \$95,469 contract addendum.

6.D.3.b.2. Wahoo Creek Watershed Water Quality Plan Phase II

No new information. As reported last meeting, we are working with Saunders County on the Road/lake shoreline stabilization project at Czechland Lake which is anticipated to be completed this summer. Other tasks underway are JEO is starting to work on the Wahoo Creek Water Quality Plan update, we have approved Lands for Conservation Contacts for conservation work to be completed this summer and we will be working with NDEE on water quality sampling in the watershed.

Attached is JEO's April 29th \$5,847.50 invoice for work completed on our Wahoo Creek Watershed Plan Update. After this contract payment, \$25,782.50 will remain under our \$31,630 contract.

6.D.3.b.3. Olsson Design Update and Invoice

Looking ahead, I asked Andrew Phillips, Olsson, to give his projection on the timelines and expenses for their contract services anticipating that the Wahoo Creek Watershed Plan can receive NRCS approval soon. Below are Andrew's comments.

Tom,

Below is the estimated fees sorted by NRD budget year assuming that we would have approval to begin design in May of 2021. I realize that the start date may likely change, but this is current as of the last update we completed to the schedule. We included a 16 month period for obtaining the USACE Section 404 permit but we understand that this may take less time.

Dams	May 2021 to June 2021	July 2021 to June 2022	
Site 26A, 26B, and 27	\$55,000	\$170,000	Note: Design beginning in May 2021
Remaining 8 sites		\$600,000	Note: Design beginning in October 2021

Also, please note that the above estimated fees do not include an escalation because of the delays from the original planned start of design date. We would likely request a 3.5%

***increase per year to account for the delay in the start of design.
If you would like this in another form, more detail, or if you would like the fees presented over a different time frame, please let me know.***

***Thanks,
Andrew***

6.D.4. JOINT WATER MANAGEMENT ADVISORY BOARD

Work continues on moving joint projects forward with Dodge County, Fremont and other JWMAB partners. Recent updates on a few of the projects are shown below.

6.D.4.a. Platte River Breach Repair Project (Rod & Gun Club) Bid Opening - May 12, 2021

Dodge County has notified us of a 10:00 a.m., May 12, 2021, bid opening for repairing the Platte River Breach Repair Project on Fremont Rod and Gun Club property. It is anticipated that participants may join in person or by Zoom. A notice for the Zoom connection has been forwarded to the LPNNRD Board members appointed to serve on JWMAB (Frank Pollard, Bill Saeger, Kelly Thompson, Lon Olson). Anyone else wanting to participate, please let us know. LPNNRD has committed up to \$50,000 toward this portion of the breach repair (Bid documents and Interlocal Agreement attached).

6.D.4.b. East Fremont/Elkhorn Township Project Proposal Review

The East Fremont/Elkhorn Township Project Proposal Review has a scheduled Zoom meeting 2:00-3:00 pm on Tuesday, June 1, 2021. This proposal is looking at improving the drainage ditch system east of Fremont. Dodge County Emergency Manager Tom Smith said NEMA indicated that this study proposal is approved for federal funding assistance from FEMA. LPNNRD has committed \$66,500 (8%) toward the local contribution. Attached is the draft of the RFP that will be sent out.

6.D.4.c. Rawhide Watershed Study Update

As reported earlier, Dodge County has received funding through NRCS's Watershed Flood Prevention Operation program to evaluate flood reduction opportunities for Dodge County and Fremont. Since this study is being 100% funded by NRCS, no commitment from LPNNRD was needed. Attached is the draft RFP that will be sent out.

6.D.5. HAZARD MITIGATION PLAN UPDATE

No new information. JEO continues to contact the few remaining entities that need to pass and submit a formal resolution adopting their portion of the Hazard Mitigation Plan.

6.D.6. EROSION AND SEDIMENT RULES AND REGULATIONS

6.D.7. OTHER

6.D.7.a. City of Schuyler Flood Reduction/Drainage Improvement Project Request - 8:30 a.m.

At the April 1st Projects Committee Meeting, the City of Schuyler presented a formal assistance request on their flood risk reduction/drainage improvement project. The project request involves placing three additional flap gate closure structures on storm sewer outfalls to Lost Creek and channel widening in the southeast part of the city. The gates are to prevent floodwater backflow into the City. Schuyler originally requested 50% assistance on a \$312,000 estimated project, but adjustments has been made as attached. Kevin Kruse, JEO, and City of Schuyler Administrator William Re Roos, will join the Projects Committee Meeting at 8:30 a.m. to discuss a more detailed description of the project components and cost breakdown. The committee is asked to consider a recommendation toward assisting with project components. Also attached is Schuyler's Internal Drainage Study Report.

6.D.7.b. Platte Center - Elk Creek Bank Stabilization Project Update

Other the past 25-30years, LPNNRD has been a cost sharing partner with Platte Center to improve flowage and stabilize Elk Creek as it flows through the Village. We have been notified by a Village representative that they are working on getting a contractor estimate for additional creek bank stabilization north of the bridge on main street. This new project effort may be in the vicinity of a \$50,000. In the past, LPNNRD has provided 50% assistance. After we recieve a formal request, it will be presented for consideration.

7. Additional Action Items

8. Approval of Bills Pending

9. Consent Agenda Adoption

10. Comments from Directors/Guests

11. Meeting Establishment/Adjournment

NOTE: The agenda is on file at the LPNNRD office and may be changed up to 24 hours prior to the meeting as scheduled.