

Regular Board of Directors Meeting
Monday, January 10, 2022 1:30 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

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 Legislative Conference

The NARD Legislative Conference is January 25 - 26 at the Embassy Suites in Lincoln. A copy of the agenda is attached. Please let Breunig know if you are interested in attending.

6.A.2.b. Reports

6.A.3. MANAGEMENT ITEMS

6.A.3.a. Directors Absence

Attached find Director Meduna's excuse of absence from the October and November Board Meetings and Director Veskerna for December Meeting.

6.A.3.b. Monthly Education Program

John Engel with HDR will be present to update the Board on the Lower Platte Coalition.

6.A.3.c. Director Retreat Date and Location

The Executive Committee felt a Director Retreat would be beneficial and set a tentative date of February 22nd at the Clint Johannes Education Building.

6.A.3.d. 2022 Election Certification

Attached find the 2022 Election Certification Filing form. Just a reminder that incumbents must file by February 15th, 2022.

6.A.3.e. At-Large Director

Attached to the Executive Committee Minutes find a letter of resignation that we received from Director Gene Ruzicka.

6.A.3.f. February Board Meeting

The February Board Meeting is scheduled for Monday, February 14 at 1:30 p.m. The Annual NACD Meeting in Orlando is scheduled for February 12 -16, 2022 with Mountford and Gottschalk both planning on attending.

6.A.3.g. Retainer Agreement - Bromm, Lindahl, Freeman-Caddy & Lausterer

Attached find the Retainer Agreement with Bromm, Lindahl, Freeman-Caddy & Lausterer. The term of the agreement is from January 1, 2022 to the first regular Board Meeting in January 2023. The fees have not changed.

6.A.4. EQUIPMENT

6.A.5. PERSONNEL

6.A.5.a. Water Resources Technician

The Water Resources Technician advertisement is attached. Resumes are due at the NRD office on Monday, January 10th and interviews will follow.

6.A.5.b. Assistant Manager Search Committee

Chairman Pollard has selected the following board members to sit on the Assistant Manager search sub committee:

Frank Pollard, Bill Saeger, Matt Bailey, Joe Birkel and Bob Meduna.

Discussion is needed as to when to begin advertising, closing date, interview process and tentative interview schedule.

6.A.6. FINANCE

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

Grant reviewed the November Financial Statement with Directors.

It was noted that the Draft October Financial Statement was attached to the December Minutes and we need to approve the Final October Statement. (which is included with the motion below)

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

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

6.B. Education, Operations & Rural Water Systems Committee - Action as Required

6.B.1. UNFINISHED BUSINESS

We have nothing to consider for unfinished business.

6.B.2. WILD NE AND OTHER PROGRAMS

Currently, the tree removal contractor, Standing C Excavating, is working on the Wanahoo property and has made good progress.

An email was sent to Pheasants Forever asking for a commitment to prescribe burn areas of Wanahoo in 2022. We have not burned for three years.

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

The O & M crew continues to remove trees from our recreation and project areas. We hauled rock (rip-rap) to Rawhide Ditch after a 36" culvert repair was completed. Closed the culvert gates on Clear Creek Ditch 1 that lead to the Platte River. Also servicing equipment.

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

On Friday, Dec. 17th, FEMA gave the District verbal approval for the scope changes involving the dewatering wells and the basin floor. Griffin Dewatering mobilized on Dec. 15th but did not start the drilling operation until Monday, Dec. 20 because of equipment breakdown. They have 3 of the 5 wells drilled.

We are conversing with NEMA/FEMA whether we need to present a more solid design plan for the basin floor which will cost more versus the band-aid approach in the current scope change (construction detail was not explained in detail). The more robust design is recommended by NDNR Dam Safety and would follow Federal Design Guidelines. (see Sotak Email attached)

We will need to update our contract with FYRA to design and oversee the improvements to the basin floor and also decide if we want Valley Corp to do the floor repair or rebid the basin floor project. The basin floor improvements may not occur until mid 2022 but, we need to keep the pre-construction items moving forward.

Last month the \$89,607.86 cost was approved for converting the wells to pressure relief wells. Now there may be some cost savings that could lower that amount approximately \$12,000, that may not be known until the well project is completed.

6.B.3.b. NRD Owned Lots

Heimann with assistance of Mountford and legal counsel Lausterer have developed two

different easements (attached) for the 6 lots owned by the District at Thomas Lakes (see aerial). The easement developed for the four lots on the high ground will be permitted to use mobile/removable objects on the lots, whereas the two lots on the Clear Creek Levee will not permit any objects permanent or removable. The easements have been forwarded on to the Corps of Engineers.

Next steps are an updated title search and a stake survey.

6.B.3.c. Wanahoo Relief Well Reconditioning

A RFQ/RFP was developed by Heimann and Olsson's. NDNR Dam Safety has reviewed with no comments. The final will be sent to Well Drilling Companies for bids to refurbish three wells and if successful an additional 4 wells. A site showing is scheduled for Thursday, January 20 at 11:00 am and bids are due March 1 at 4:00 pm. See attached.

6.B.3.d. Rawhide Ditch Culvert Repair

A 36" culvert with a flap gate tore/split. We had Thompson Construction repair it with a band for \$1,610.00. The District added broken concrete below the culverts. See attached pictures.

6.B.4. ROCK AND JETTY

We have not received any inquiries for the program.

6.B.5. LAKE WANAHOO

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

For the month of December (as of 12/28), the District has received \$3,830.00 in annual park permit revenue. The year by year breakdown for annual permits sold during the month of December is listed below. The District began selling 2022 annual permits on December 2nd.

Month	Monthly Total	YTD Total
December 2021	5,045.00	5,045.00
December 2020	4,725.00	4,725.00
December 2019	4,470.00	4,470.00
December 2018	4,585.00	4,585.00

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

For the month of December, the District received \$2,438.00 in camping revenue at Lake Wanahoo. For the calendar year, camping revenue totals \$118,152.11. The year by year breakdown for camping revenue during the month of December is listed below.

Month	Monthly Total	YTD Total
December 2021	2,438.00	118,152.11

December 2020	1,485.97	134,027.78
December 2019	1,160.56	93,337.36

6.B.5.c. Clint Johannes Education Building

During the month of December, the building was rented 15 times. Revenue for the month is \$1,180.

Year	Rentals	Youth Rentals	Rental Income
2020	118	14	\$8,240
2021	184	27	\$12,840

6.B.6. INFORMATION AND EDUCATION

6.B.6.a. Information

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

The Radio and E-ads for the first half of December featured the December 15th water reports deadline. The last half of December featured Wanahoo Park Permits available at the office and online (attached).

6.B.6.a.2. Analytics

FACEBOOK	Total Reach	Engagements	Followers
December 1-27	2,159	95	1,299
November	2,235	30	1,298
October	1,311	44	1,297

TWITTER	Total impressions	Engagements	Followers
December 1-27	2,024	114	348
November	3,008	78	345
October	1,725	40	344

Top Posts on Facebook and Twitter:

- Wahoo Creek Watershed draft plan available for public review
- Handplant trees and shrubs available for purchase
- Water Resources Technician position opening
- 2022 Wanahoo permits available
- December 15th water report deadline

WEBSITE	Users	Traffic Channel	Top Pages	Devices
December 1-27	830	Organic 52.1% Direct 33.7% Referral 10.4% Social 3.7%	Home Lake Wanahoo Downloads	Desktop 59.16% Mobile 39.16% Tablet 1.69%

			Staff Contact	
November	809	Organic 52.1% Direct 33.7% Referral 10.4% Social 3.7%	Home Lake Wanahoo Czechland Lake Downloads Forestry	Desktop 50.31% Mobile 46.35% Tablet 3.34%
October	1,160	Organic 62.3% Direct 21.5% Referral 8.9% Social 7.2%	Lake Wanahoo Home Czechland Lake Downloads Outdoor Recreation	Mobile 54.40% Desktop 43.10% Tablet 2.50%

26 clicks from Facebook to our website and 6 clicks from Twitter to our website.

6.B.6.a.3. News Channel Nebraska Advertising

The Information and Education Department video is completed and with the commitment to advertise, we will run the :60 commercial in January and February.

We would like to continue our great partnership with News Channel Nebraska since their viewing area covers most of our District. The following is a proposed schedule for early next year.

March	:30 Lake Wanahoo	News Sponsor \$475
April	:30 I&E, :30 Projects, :30 Operations & Maintenance	News Sponsor \$475
May	:30 I&E, :30 Projects, :30 Operations & Maintenance	News Sponsor \$475

6.B.6.b. Education

6.B.7. RURAL WATER SYSTEMS

WaterISAC and EPA, in cooperation with water sector associations, developed the attached advisory to present important information to the water sector on two recent cybersecurity advisories by the United States Government. On December 16, 2021, the Cybersecurity and Infrastructure Security Agency (CISA), FBI, and the National Security Agency issued a joint advisory on Russian state-sponsored cyber operations against United States critical infrastructure (also attached). It complemented a December 15, 2021 CISA publication - Preparing For and Mitigating Potential Cyber Threats. These Advisories asserted that due to persistent cyber-threats from sophisticated actors, including nation-states and their proxies, critical infrastructure owners and operators should take immediate steps to strengthen their computer network defenses.

6.B.7.a. Colon System

Routine monthly sampling completed, meters read and billing cycle has been calculated. The bills will be mailed 1/3/22.

6.B.7.b. Bruno System

Routine monthly sampling completed, meters read and billing cycle has been calculated. The bills will be mailed 1/3/22.

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. Irrigated Acre Transfer

A request from Jamie Yindrick to transfer irrigated acres to Section 2-16N-3E from Section 9-15N-4E (located just west of Bruno in SQS #1) and Section 13-16N-2E. The land receiving the acres does have 2 active irrigation wells but the acres were never certified with the NRD. Jamie has submitted a replacement well permit for G-136646, but when it was originally drilled it hit rock and never got to full depth.

The committee asked staff to develop a transfer policy for certified irrigated acres. Lower Loup NRD has a transfer policy, which staff will review along with other NRDs with these policies. Staff plans on having a draft transfer policy for review at the January Committee Meeting.

Information is attached.

Sections 2 and 13 are located in Octavia Groundwater Aquifer Subarea, with Section 9 located in Prague Aquifer Subarea.

LPN - Section Q Groundwater Transfer

Rule 1 Transfer Off Overlaying Land

(1) A permit is required for the transfer of groundwater off overlaying land for any purpose described in (2). Upon receipt of an application for the transfer of groundwater off overlaying land, the District shall provide notice of the application by publishing it on the agenda for the next regularly scheduled Water Committee meeting. Any affected party may object to the

transfer of groundwater by filing written objections, specifically stating the grounds for such objection, in the office of the District on or before the second regularly scheduled Board meeting following publication of notice in the Water Committee's agenda. Late objections will not be considered. Upon the filing of such objections or on its own initiative, the District shall conduct a preliminary investigation to determine if the withdrawal, transfer, and use of groundwater is consistent with the requirements of subsection (2) of this section and all rules and regulations of the District. Following the preliminary investigation, if the District has reason to believe that the withdrawal, transfer, and use is consistent with all rules and regulations of the District, but may not comply with one or more other requirements of subsection (2) of this section, the District shall request that the Department of Natural Resources hold a hearing on such transfer.

(2) Any person who withdraws groundwater for agricultural purposes, or for any purpose pursuant to a groundwater remediation plan as required under the Environmental Protection Act, including the providing of water for domestic purposes, from aquifers located within the District may transfer the use of the groundwater off the overlying land if the groundwater is put to a reasonable and beneficial use within the State of Nebraska and is used for an agricultural purpose, or for any purpose pursuant to a groundwater remediation plan as required under the Environmental Protection Act, including the providing of water for domestic purposes, after transfer, and if such withdrawal, transfer, and use (a) will not significantly adversely affect any other water user, (b) is consistent with all applicable statutes and District rules and regulations, and (c) is in the public interest.

(3) No transfers shall be granted into any area with greater restrictions than the originating land upon which the transfer shall occur except as allowed by 46-742.

6.C.2.a.2. Phase Area Update

Dan Snow - UNL gave a presentation about the vadose soil and water sampling from LPN nitrogen management areas. Dan commented on his presentation that the nitrate levels in the majority of the samples were a mixture of organic and inorganic nitrogen. Tylr Naprstek - LLNRD gave an update on what Lower Loup has been doing in their new management area. They have also done some vadose soil sampling.

The full report is attached and the conclusion is shown below from the report.

Conclusions

Based on the trends of groundwater and vadose zone nitrate levels in this area of the LPNND, there is clearly continued loading of nitrate to the water table. The Bellwood Phase 2, Richland and Schuyler Phase 2 and 3 Groundwater Management Areas have some of the highest groundwater nitrate concentrations of the district. Analysis of six deep vadose zone samples shows pore water nitrate concentrations with location averages ranging 8.82 from 42.55 mg/L, similar to local groundwater concentrations. Vadose zone nitrate was highest beneath cropland with continuous corn and soybeans, while alfalfa, grass, and cover crops had much lower nitrate levels. Except for 2 wells, arsenic and uranium concentrations in groundwater samples were generally below the maximum contaminant level for drinking water. Stable isotope analysis of nitrate in the groundwater and vadose zone samples indicates over half of nitrate nitrogen is likely from the overapplication of commercial fertilizer. Several samples show evidence of enrichment by denitrification, especially grab samples taken

near the water table, and several have nitrogen isotope composition characteristic of a mixture of organic (manure) nitrogen and commercial fertilizer. Comparison of sites with enriched nitrogen to manure application can help confirm the importance of this source. The majority of samples, however, have nitrogen isotope composition similar to commercial (inorganic) nitrogen, and thus efforts to limit the application of fertilizer is recommended. Future vadose zone and groundwater sampling in these areas will provide information on the effectiveness of any changes in nutrient management practices.

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

6.C.2.a.4. Variance Scoresheet

Attached is the current variance scoring sheet that LPN utilizes. Staff visited with Brian Bruckner and Mike Murphy from LE on how they score the variance applications. Lower Elkhorn uses NASS for soils and gives a minimum criteria before proceeding onto the other scoring parts of the variance. They look at well density and pumping potential but not continuous and non-continuous tracts. They also do not consider Best Management Practices at this time.

Tylr explained the Lower Loup variance process. Lower Loup uses well density and soils as part of their scoring process. They do not use Best Management Practices in the scoring either.

6.C.2.a.5. Remediation Water

Duane Bellar contacted NRD staff and is looking at expanding irrigated acres on the EPA site with Lindsay Manufacturing. He will be adding an additional 75-80 acres by completing the full round on a 3/4 round pivot and adding an additional 45 acre swing arm pivot. The sites are located in Section 20 and 21, Township 20N, Range 3W, just east of Lindsay. The groundwater being used is remediation water from Lindsay Manufacturing.

Committee discussed the land application of the sites and the soil class that the pivot would be watering.

6.C.2.a.6. Bellwood Phase 2 Area

2021 is the nineteenth year for this Phase 2 Area.

Year	Nitrate-nitrogen Range	Percent Nitrate-nitrogen 0 to 8.0 ppm	Percent Nitrate-nitrogen 8.01 to 10.00 ppm	Percent Nitrate-nitrogen 10.01 to 15 ppm	Percent Nitrate-nitrogen greater than 15 ppm
2004	0 to 25 ppm	46.3% (44 of 95)	8.4% (8 of 95)	45.3% (43 of 95)	

2005	0 to 25 ppm	47% (44 of 94)	15% (14 of 94)	38% (36 of 94)	
2006	0 to 24 ppm	41% (29 of 71)	14% (10 of 71)	45% (32 of 71)	
2007	0 to 31 ppm	48% (48 of 100)	9% (9 of 100)	43% (43 of 100)	
2008	0 to 28 ppm	53.75% (43 of 80)	7.5% (6 of 80)	38.75% (31 of 80)	
2009	0 to 22 ppm	45.5% (41 of 90)	15.5% (14 of 90)	39% (35 of 90)	
2010	0 to 35.7 ppm	48.65% (54 of 111)	11.71% (13 of 111)	39.64% (44 of 111)	
2011	0 to 26.6 ppm	51% (56 of 110)	6% (7 of 110)	43% (47 of 110)	
2012	0 to 28.9 ppm	57% (61 of 107)	9% (10 of 107)	34% (36 of 107)	
2013	0 to 25.8 ppm	50% (53 of 107)	9% (10 of 107)	14% (44 of 107)	26%
2014	0 to 22.3 ppm	51% (55 of 108)	13% (14 of 108)	18% (39 of 108)	20%
2015	0 to 32.3 ppm	43% (31 of 72)	8% (6 of 72)	14% (35 of 72)	33%
2016	0 to 35.1 ppm	34% (25 of 74)	11% (8 of 74)	26% (41 of 74)	26%
2017	0 to 23.5 ppm	36% (27 of 74)	15% (11 of 74)	19% (36 of 74)	22%
2018	0 to 30.9 ppm	40% (25 of 63)	11% (7 of 63)	22% (31 of 63)	28%
2019	0 to 24.5 ppm	46% (22 of 48)	10% (5 of 48)	28% (21 of 48)	22%
2020	0 to 20.5 ppm	33.33% (20 of 60)	13.33% (8 of 60)	35% (21 of 60)	18.33% (11 of 60)
2021	0.12 to 27.7	40.6% (26 of 64)	15.6% (10 of 64)	25% (16 of 64)	18.8% (12 of 64)

6.C.2.a.7. Richland - Schuyler Phase 3 Area

2021 is the sixth year of this Phase 3 Area. This Phase 3 area went into effect September 1, 2015. The 55 sections of this area first went into a Phase 2 Area in 2004. The ten sections that were in Phase 2 are now in Phase 3. As such, the 2020 and 2021 numbers (at bottom of table) are for 65 sections.

Year	Nitrate-nitrogen Range	Percent	Percent	Percent	Percent
		Nitrate-nitrogen 0 to 8.0 ppm	Nitrate-nitrogen 8.01 to 10.00 ppm	Nitrate-nitrogen 10.01 to 15 ppm	Nitrate-nitrogen greater than 15 ppm
2004	0 to 47 ppm	30% (42 of 139)	10% (14 of 139)	60% (83 of 139)	
2005	0 to 120 ppm	31.3% (74 of 236)	10.2% (24 of 236)	58.5% (138 of 236)	
2006	0 to 53 ppm	28% (50 of 181)	14% (26 of 181)	58% (105 of 181)	
2007	0 to 99 ppm	32% (75 of 231)	10% (22 of 231)	58% (134 of 227)	

2008	0 to 46 ppm	28% (53 of 190)	12% (23 of 190)	60% (114 of 190)	
2009	0 to 57 ppm	33% (72 of 216)	6% (13 of 216)	61% (131 of 216)	
2010	0 to 57.5 ppm	31% (70 of 229)	7% (15 of 229)	62% (142 of 229)	
2011	0 to 65.8 ppm	28% (67 of 241)	9% (21 of 241)	63% (153 of 241)	
2012	0 to 52.6 ppm	29% (70 of 241)	9% (21 of 241)	30% (150 of 241)	31%
2013	0 to 94.0 ppm	25% (63 of 252)	9% (23 of 252)	31% (166 of 252)	36%
2014	0 to 101.0 ppm	27% (68 of 251)	9% (22 of 251)	27% (161 of 251)	37%
2015	0 to 53.3 ppm	23% (55 of 238)	12% (29 of 238)	25% (154 of 238)	41%
2016	0 to 50.5 ppm	25% (58 of 228)	10% (22 of 228)	26% (148 of 228)	40%
2017	0 to 53.4 ppm	25% (60 of 238)	6% (14 of 238)	29% (164 of 238)	41%
2018	0 to 56.9 ppm	26.5% (50 of 189)	6.3% (12 of 189)	25% (127 of 189)	42%
2019	0 to 39.4 ppm	25% (53 of 209)	11% (22 of 209)	23% (134 of 209)	42%
2020	0 to 50.8 ppm	26% (69 of 261)	6% (15 of 261)	26% (66 of 257)	43% (110 of 257)
2021	0 to 43.0	25.5% (67 of 263)	8.4% (22 of 263)	24.3% (64 of 263)	41.8 (109 of 263)

At the final meeting in Schuyler, a producer brought his water sample (the result [19.1 ppm] is included in the above table.

6.C.2.a.8. LPNNRD Online Reporting Sessions

The LPN conducted 9 meetings during November and December to assist producers in entering their reports online. Staff also did an informal survey on potential management practices.

Two producer meetings were held at Hruska Library in David City - for online reporting. Seven producers attended out of 23 producers in the area.

Seven producer meetings were held at the Schulyer Public Library - for online reporting. 45 producers, farm managers, agronomists attended. Staff has also met with four other producers for online reporting. There should be 83 producers submitting reports.

Staff have received some paper copies of the reports along with producers doing online submittal on their own.

Staff would like the Committee to recommend to the Board for considering a \$100 donation to both libraries as they did not charge any rental fees.

6.C.2.a.9. Lower Platte River Basin Water Management Plan Coalition (LPRBC)

John Engel - HDR will attend the Board Meeting on January 10 to give an update on the next 5-year allotment.

6.C.2.b. LIVESTOCK WASTE PERMITS

The LPNNRD has received # 1 livestock permit applications from DEQ since the last Water Committee meeting.

The Board passed a motion to stay neutral on livestock facilities and the NRD responsibility is for the permitting of high capacity wells. Manure application is usually treated as any commercial fertilizer, which soil sampling and manure analysis should be conducted and handled by NDEE.

Name	Livestock	Type of Permit	Legal Description	County
Cattau Finisher #3	Swine	Propose New Operation	E1/2 NE1/4 21-19N-1E	Platte County

Description of permit application - Finishing Swine >55 - 5,000 head or Nursery Swine <55 - 12,500 head.

6.C.3. GROUND WATER PROGRAMS

6.C.3.a. DECOMMISSIONED WELL PROGRAM

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

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

Well Owner	Type of Well	Cost Share Estimate	County
Charles Emanuel & Sons Inc	Irrigation	\$613.87	Dodge

Charles Emanuel & Sons Inc	Irrigation	\$569.96	Dodge
Gillwell Foundation	Domestic	\$744.75	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

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

6.C.3.b.1. Eastern Nebraska Water Resources Assessment (ENWRA)

Attached is ENWRA (Eastern Nebraska Water Resources Association) annual dues of \$30,000 and the second of the two-year agreement for GeoCloud of \$3,400.

Attached is a draft agreement to extend this for an additional 5 years plus other information. .

6.C.4. SURFACE WATER PROGRAMS

6.C.4.a. USGS STREAM FLOW GAUGING SITES

An invoice from LPS for \$6,562 for the water level and quality sampling gauge at Leshara. This is part of the agreement with USGS and the Corridor Alliance. This will be LPN final payment of the 3-year agreement. The Alliance and USGS would like to extend this for another 3 years.

Attached is a draft agreement for the next 3 years.

6.C.5. OTHER

Will's Report

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

6.D. Projects Committee - Action as Required

6.D.1. UNFINISHED BUSINESS

None.

6.D.2. SWCP

6.D.2.a. SWCP Application Approvals

None.

6.D.2.b. SWCP Payments

21
- \$ TOT,
B- DWAYN 12,500 WASCB
3 E LANC .00 , TO

6.D.2.c. SWCP Cancellations

None.

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

None.

6.D.3. WATERSHEDS

6.D.3.a. Shell Creek

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

Work continues on the Shell Creek South Channel Improvement/Benching Project which should be completed by March 2022. Bill Bos continues to line up landowner conservation practices and septic system upgrades.

JEO continues to work on the Shell Creek Watershed Water Quality Plan with NDEE. Attached is their December 23, 2021, \$1,713 invoice and progress report. After this payment, \$1,142 will remain under contract.

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

We plan to use our remaining EPA 319 grant funding toward the Shell Creek South Channel Improvement/benching project and other landowner projects. It is planned that LPNNRD and SCWIG will continue to work together with NDEE to line up future project funding for the next five-year period.

6.D.3.b. Wahoo Creek Watershed

6.D.3.b.1. Wahoo Creek Dam Site Planning Update & FYRA Invoices

LPNNRD and NRCS have posted the 30 day public review period for the Wahoo Creek Watershed Plan. After comments are considered, we anticipate NRCS approval of the plan, hopefully in early 2022. The Wahoo Plan-EA invoice for work completed through 12/17/2021 totaling \$2,385, is attached (After this payment, \$6,057.75 will remain under contract). During this invoice period, FYRA coordinated with NRCS on the agency and public review process and sent out the review notification to agencies. To date, they have received only one agency letter with minimal comments.

NRCS has placed the final draft of the Wahoo Creek Watershed Plan on their website for public review as shown below:

<https://www.nrcs.usda.gov/wps/portal/nrcs/detail/ne/technical/engineering/?cid=nrcsep rd1492259>

6.D.3.b.2. Olsson Design Update and Invoice

Olsson continues to work on Geo-technical activities at Wahoo Creek dam sites 55, 77, 82,84, 85 & 86 and their recent \$7,941.87 invoice is attached along with a budget breakdown of work accomplished.

Attached is Andrew Phillips analysis of our contract with Olsson for services on the Wahoo Creek flood reduction dams. Since we placed Olsson "on hold" for 2 ½ - 3 years to complete most of this work (waiting for NRCS to approve the watershed plan). As indicated, the delay has increased costs, but this is offset by the removal of Dam Site 83. This topic will be discussed at the December 29th Projects Committee and Andrew will attend the February 3rd Projects Committee for further discussion. Also attached is our original contract approved November 14, 2018.

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

We have finished using available grant funding for Wahoo Creek Projects and are working with NDEE for needed funding over the next five years. At the last Board Meeting, we approved our 2021 Lands for Conservation payments. NDEE is providing an additional \$25,000 of EPA 319 funding to help cover those expenses.

JEO continues to work on the Wahoo Creek Watershed Water Quality Plan with NDEE. Attached is their December 23, 2021, \$2,077.50 invoice and progress report. After this payment, \$1,385 will remain under contract.

6.D.4. JOINT WATER MANAGEMENT ADVISORY BOARD

JEO conducted a meeting on December 27 (agenda attached) to update partners on progress on the Rawhide Creek Watershed Assessment (with NRCS-WFPO funding assistance) and on their analysis of the Elkhorn Township Drainage Improvement east of Fremont (with FEMA funding assistance). JEO reported that they are working on hydrology/ hydraulics for the Rawhide watershed assessment. For the Elkhorn Township Drainage Improvement, JEO is assessing possible project scenarios that could have a positive cost/benefit ratio for potential FEMA assistance. For reference of what was discussed at the meeting, the following link is to the preliminary H&H information that was shared yesterday as well as another copy of the agenda. <https://arcg.is/1yjDDm1>

6.D.4.a. Platte River Cameras/Gauges

USGS is placing cameras and two additional water gauges along designated Platte River sites. The USGS link to view the cameras <https://apps.usgs.gov/hivis/>. Thus far it looks like just three cameras are operating, Hwy 64, 77 and 15. The camera on Hwy 79 is not yet functioning. Work is also underway to also establish a camera on private property near the Loup and Platte river confluence.

On the USGS site map, zoom in on Nebraska and click on one of the bubbles, then you can experiment with the site location. Hwy 15 and 77 also have the added water elevation gauges.

6.D.5. EROSION AND SEDIMENT RULES AND REGULATIONS

6.D.6. OTHER

6.D.6.a. Morse Bluff Dike Breach Assistance Request

As reported earlier, the 2019 flooding left an approximate 1,100-foot breach in a private (Morse Bluff) dike that runs about two miles west from the HW 79 bridge in Saunders County (photo attached). This dike was once maintained by the Morse Bluff Dike and Drainage District, but that district dissolved in the late 1980's. After the 2019 floods, affected landowners evidently approached Saunders County for public sponsorship and repair assistance, but had no success. Several property owners attended the Projects Committee meeting to request LPNDRD guidance. Staff will work with Saunders County to begin discussions on how we might work together to assist the landowner in this area.

7. Additional Action Items

7.A. Shell Creek Septic System Payment

Shell Creek Watershed - Septic System Upgrade
John Hannah - \$3,151.37

A motion will be needed at Board Meeting to make payment to John Hannah, \$3,151.37 for his Septic System Upgrade.

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.