

Regular Board of Directors Meeting
Monday, July 8, 2019 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

Jake Miriovsky and Kevin Kruse from JEO will update the Board on the North Bend Dike Damage Repair.

5. Approval of Minutes

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

6. Report of Standing Committees

6.A. Executive Committee - Action as Required

6.A.1. UNFINISHED BUSINESS

6.A.1.a. Off Site Water Table Concerns Near Sand Creek

6.A.2. MEETINGS

6.A.2.a. Pending

6.A.2.b. Reports

6.A.2.b.1. GMDA Report

Attached find a report from the GMDA Summer Meeting held June 6-7, 2019.

6.A.2.b.2. Water Strategies Report

6.A.3. MANAGEMENT ITEMS

6.A.3.a. Directors Absence

Attached find absence requests from Director Hilger, Baiely and Seier from the June Board Meeting.

6.A.3.b. Monthly Education Program

6.A.3.c. LARM Workers' Compensation Final Audit

Attached find our final audit worksheet and final audit invoice from LARM for the 2017-2018 Pool Year. Amount due to LARM for Workers Compensation is \$2,119.43

6.A.3.d. Dodge County Tax Roll Correction

The Dodge County Treasurer notified us that the Dodge County Board of Equalization approved a Tax Roll Correction for East Central Health Department. The total amount due from NRD is \$547.46. The County Treasurer is requesting the Board to send a letter allowing them to deduct these fund from our account. See attached documents for details.

6.A.3.e. HBE 360 Engagement Letter

Attached find HBE360 Engagement Letter to prepare financial statements and statement of activities for the years ending June 30, 2020 and June 30, 2021.

6.A.3.f. NARD Hall of Fame

Attached find a memo from NARD about the Hall of Fame candidates and background information on the candidates.

6.A.3.g. NARD June Board Action

Attached find a report from the NARD on actions of the June 10th NARD Risk Pool and NARD Board Meeting.

6.A.3.h. Camp Ashland/Fuse Plug Area Study Proposal

Carter Hubbard, Olsson, contacted us about a potential study to look at reducing Salt Creek flood impacts north of Ashland that includes our fuse plug component of the Western Sarpy/Clear Creek Project (located on US Army Guard Camp property). Olsson has been asked by the Lincoln Well Field to look at opportunities and grant funding to reduce flood impacts in this area and to their well field.

The potential project would involve the following measures:

- Replace fuse plug with permanent gate structure
- Modify profile of County Road A to increase overflow capacity for Salt Creek overflows to the Platte River and decrease or eliminate overflows to the north.
- Grading of area between Salt Creek and Platte River on the upstream side of Hwy 6/BNSF RR to provide flood storage, and accommodate Salt Creek overflows to the Platte
- Reduce flood elevations of Salt Creek upstream of Hwy 6/BNSF RR

LPNNRD is not being asked to sponsor or commit financially (others will fund the study) but have asked to support Lincoln Well Field's (LWF) effort on taking the lead to move forward. The study is intended to evaluate costs, benefits, and how the funding split might work if a project moves forward and an Hazard Mitigation Grant Program (HMGP) application was submitted. Once the study is done, information would be presented to potential partners to then decide who may participate in an HMGP application. The fuse plug was destroyed by the March flooding and will be replaced later this year. The plug is an ongoing LPNNRD responsibility that we share with LPSNRD.

At this time we have submitted our support of LWF moving forward with a study with no financial commitment or obligation from LPNNRD.

6.A.3.i. Water Strategies new contract

Our current shared contract with Water Strategies (LPN,Papio,LPS) expires at the end of this month. Kris Polly, President, Water Strategies has proposed a two year renewal of our existing contract with the following rate increases:

\$ 5,400 per month effective 7-1-19 through 6-30-20 (\$1,800 each) and \$ 5,700 per month effective 7-1-20 through 6-30-21.

Staff believes Water Strategies continues to provide high quality representation and service for our Districts in Washington D.C. and are always provide excellent communication with us as needed.

6.A.3.j. Wanahoo Facility Rental Agreement

The attached agreement was produced by Jovan for our use as we move forward with our Wanahoo Education building rental.

6.A.3.k. Wanahoo Recreation Area Update

-Camping revenue to date: Approx. \$ 33,750

-Park Permit revenue to date: \$

-Wanahoo building interior walls are up and ready for electrical rough-in

-Pork Chop Island is 95% complete and we are ready to open it for reservations
Channel 8 (Lincoln) came out and filmed a segment called "Trip on a Tank" at Pork Chop Island.

-Wahoo's July 4th Fireworks will be held at the lake this year. We will be offering free access to the East side of the rec area for the entire day and have been working closely with Saunders County Sheriff's department to develop a traffic plan. We will have food vendor(s) on site for the day, there will be an old-time baseball game played in the evening and we have developed temporary parking areas to accommodate the expected demand for parking.

-Our staff continues to do an amazing job mowing, weed-eating, cleaning and keeping the park looking as good as ever. If you have time, please stop by, drive through and stop and talk to our staff.

6.A.3.l. Sand Creek Site #15

Director Birkel suggested that if we are going to put this land up for auction, we should get some drone shots of the property.

6.A.4. EQUIPMENT

6.A.5. PERSONNEL

6.A.5.a. Staff Evaluations

Annual staff evaluations have been completed and we have met with all staff individually to review and discuss. Board has approved \$26,000 total salary budget increase and that amount was broken down into the following annual pay raises:

\$ 1,000 - "Fully Satisfactory" (2)

\$ 1,200 - "Commendable" (5)

\$ 1,500 - "Outstanding" (10)

Total annual increase equals \$ 23,750 - \$ 24,250

6.A.5.b. Staff position move from Water Technician to Water Specialist

Will Brueggemann was hired as a Water Technician. Over the past two years his responsibilities have grown and he continues to perform at a very high level. The main

difference between technician and specialist is the responsibility of administering programs, Will administers our NeRain program, the Phoenix data base program and our Phase Reporting program.

6.A.5.c. Information and Education Assistant/Receptionist Position

6.A.6. FINANCE

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

Attached are the May Financial Statements. Grant will be available for a conference call today.

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

Attached find Gottschalk's time and expense sheets.

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

6.A.6.d. Budget Workshop

If we plan to have a budget workshop we need to set the date and time. We normally hold it before August Board Meeting. A tentative date of Wednesday, August 7th was discussed at Executive Committee.

6.A.6.e. Budget Hearing and Levy Hearing

We normally hold our budget hearing one hour prior to our August Board Meeting and our levy hearing one hour prior to our September Board Meeting.

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

6.B.1. UNFINISHED BUSINESS

We have nothing to consider.

6.B.2. WILD NE AND OTHER PROGRAMS

There is nothing to report for Wildlife Programs.

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

The O & M crew planted trees and have one site to go. Repaired fence, sprayed thistle & cut trees on Rawhide Ditch 8, the Diers property. We unplugged a pipe in a dam for a landowner near Touhy. Spray thistles on the Wanahoo area. Started our annual dam inspections/maintenance routine.

6.B.3.a. Swedeburg "Thorston" Dam Renovation

One contractor has submitted a quote. We are waiting on two other contractors. Contractors are very busy so, we anticipate this work will be accomplished in the fall.

6.B.3.b. Wanahoo Dam Conduit Joint Repair

The contractor, Peerless, has set a tentative date of Monday, July 8th to start the joint sealing in the Wanahoo Dam conduits. This is dependent on the lake level. Olsson's is tentatively scheduled at 11:00 to look at the cracked concrete and the plunge pool after committee meetings.

6.B.3.c. FEMA & Damaged Site Update

FEMA has inspected the Wanahoo plunge pool, Rawhide Ditch 8 and the Dan Wolfe jetties in Colfax County. We have received inspection reports for the plunge pool and Rawhide Ditch. We are waiting to proceed with the next step with approval from FEMA. We are also waiting for a response from the Corps of Engineers Regulatory office for a site inspection on the Wolfe property.

Chris Poole is organizing the grant process and documentation. He has forwarded expense documentation for the Breakwater repair in which FEMA will reimburse 100%. We received an emergency repair invoice from Bob Diers for \$4,275.00. This repair was for the approach to his bridge crossing Ditch 8, so he could access land on the north side for his livestock. We will forward this expense to FEMA as an emergency repair and hope to receive 100%.

6.B.3.d. Fremont Non-Structural 205 Study

Here is a brief update that Chris Fassaro, Project Manager, COE presented to the City of Fremont on May 24, 2019. "We provided the city with a brief update on the Section 205 study. The bottom line is that USACE guidance on formulating nonstructural plans has been in flux over the past year or so. The current guidance is that nonstructural plans should be formulated based on floodplain boundaries or using some other rationale that results in a plan that supports "community cohesiveness". Basically, there should be some geographic basis for the plan so that you don't have a hodgepodge of structures eligible in the plan. Our previous nonstructural alternatives were based on individual structure benefit-cost ratios, so the eligible structures were spread around with no apparent geographic basis. We've tried to formulate nonstructural alternatives based on floodplain boundaries, but haven't been able to formulate one that's economically justified".

The city said that they'd support a plan based on individual structure benefit-cost ratios, even if it didn't appear to support the community cohesiveness objective. The result of our meeting is that USACE is going to finalize a nonstructural alternative that we can present to the LPNDRD, Fremont, Inglewood, and Dodge County. If this group supports it, then we'll present it to our Division Headquarters with the argument that, even though it doesn't meet Current USACE guidance, it's support by our non-Federal sponsor. I'll work on organizing the sponsor meeting hopefully sometime in the next few weeks.

6.B.3.e. O & M Budget

Operations & Maintenance budget lines w/ expenditures attached.

6.B.4. ROCK AND JETTY

We have not receive any new applicants since our last meeting.

6.B.5. LAKE WANAHOO

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

As of 6/26/2019, 585 Annual Lake Wanahoo permits were sold in June totaling \$10,170.00 bringing the gross total for 2019 to \$65,237.50 (see attached).

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

As of 6/26/2019, the District has collected \$32,523.95 in camping revenue. This includes both, online reservations, and walk-up camping.

6.B.5.c. Approval of Education Building Geo-Thermal Bid

Staff is recommending approval of K&S Mechanical bid of \$ 19,000 for installation of geo-thermal system in the building. This bid represents the low bid for the installation.

6.B.5.d. Education Building Sewer & Water Service Installation Bids.

Staff is recommending approval of Doug Hedges bid of \$ 20,124.50 for installation of sewer and water service to the building. This bid represents the low bid for the installations.

6.B.5.e. Solar Electric Installation bid.

Staff is recommending accepting Solar Heat and Electric's bid to install solar electric equipment in the Lake Wanahoo Education Building at a price of \$11,940 for 5000kw service or their bid of \$ 22,810 for 10kw service. Each of these represent the low bid received.

6.B.5.f. Hedges Construction Final Bills

Hedges Construction has submitted their final bill for the erection of our Wanahoo Education building. We have paid them a total of \$ 26,000 (original bid) and they have submitted \$ 9,758.36 in additional charges. Additional charges include but are not limited to:

- Additional month of lift rental
- Concrete lags
- Flat-head screws
- Caulk & Sealer
- Installation of 9 windows not included on original plans (2 on original)
- Front entryway fabrication and framing
- Install glass in rear door
- Re-fab tin on framework and roofline
- Add trim to entryway

-Fix and repair Topline building errors.

6.B.5.g. Promotions & Events

KLKN chose LPNNRD & Lake Wanahoo to be featured in their "Trip on a Tank" summer promotion. Gottschalk interviewed and focused on Porkchop Island.

The promotion will run Wednesday 6/26 during the 10 pm news, Thursday 6/27 during the 6 am news, and throughout the remainder of the week. Video is attached.

6.B.6. INFORMATION AND EDUCATION

6.B.6.a. Information

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

The KTIC Radio Ad and Wahoo Newspaper eAd for July will continue promoting Chemigation deadlines and fees. The ads are attached.

6.B.6.a.2. KTIC Radio

The advertising agreement with KTIC Radio ends on September 17th. The cost to continue advertising with the current Display Ad Agreement is \$2,190 at a rate of \$6.50 per day. This is a \$0.50 increase from last year- increasing our total agreement by \$182.50 (\$2,372.50 total)

This agreement includes a display ad that rotates on the KTICRadio.com website, a link to our website, listing in the marketplace directory, 6 (30 second) ads per week on KTIC AM 840 and 6 messages a week on FM 107.9 The Bull. It includes Best Time Available Rotation. Half are scheduled 5 am-9 pm and half are scheduled Midnight-Midnight. They are preemptable during the sold-out days. The agreements are attached.

6.B.6.a.3. County Fairs

The Lower Platte North NRD will have exhibit booths at the following county fairs:

- Platte County Fair: July 10th- 14th
- Butler County Fair: July 18th-21st
- Saunders County Fair: July 28th-August 4th

6.B.6.a.4. Water Department Video

KLKN produced a video for the Water Department. A 15 second version was created for commercial use and a 37 second version was created for promotional and

educational use. The 37 second video is attached.

6.B.6.b. Education

6.B.6.b.1. Ag Tour Scholarship

Applications are currently being received for the 2019 Ag Tour Scholarship. Previously, \$250 was approved towards this project. Recipients will be chosen and checks will be sent following the July Board of Directors meeting.

6.B.6.b.2. FY2019 Education Programs

During FY2019, Lower Platte North NRD staff have interacted with over 2,467 youth (as of 6/25). Attached is a list of all activities, programs, events, presentations, and involvement.

6.B.7. RURAL WATER SYSTEMS

6.B.7.a. Colon System

On 6/14 Elliott and Doukulil repaired a leak at the Baker residence in Colon. A repair kit has been received for the replacement hydrant that will be placed in Colon. The spare hydrant that was on-hand leaks according to records. Cross connection survey went out to all customers. Billing and sampling completed.

6.B.7.b. Bruno System

Cross connection survey and informational brochure sent to customers. Billing and testing completed.

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 Request for Expanded Water Use from Existing Well with Acre Feet Allotment.

Dan Wondercheck has submitted a variance to irrigate an additional 72 areas from Well G-187345 in E $\frac{1}{2}$ NW $\frac{1}{4}$ Section 10-21N-5W. At this time he has 36 certified

irrigated acres in the SW¹/₄ NW¹/₄ Section 10-21N-5W. If the NRD uses the 27 inches rolling allocation on the 108 acres over 3 years, this would allow him 12 inches over a 3 year period.

6.C.2.a.2. Net Grant 2019

An invoice for 2 remote ET gages are attached for payment. This is part of the best management projects within the phase areas. Part of this invoice will be reimbursed through the NET grant.

6.C.2.a.3. Water Flow Meters

There is 548 irrigation wells in the nitrogen management areas. By water use reports there is 58 wells that currently have flow meters installed. Staff has been visiting with McCrometer and other NRDs on the best way to get a grant approved for meters. The suggestion is to become innovative and submit grants that meters were included along with other best management practices. A few grants are looking at the newer technology like remote reads, so real time decisions can be made more readily. The grant could include soil moisture sensors to be used in conjunction with the flow meters. The grant's purpose would emphasis water conservation to control leaching. The cost of water flow meters runs about \$2500, so 500 meters would cost about \$1,250,000. If you add the soil moisture sensors and converting the other 58 meters the grant would be closer to 1,500,000. If the Committee/Board wants to proceed, staff would put together a NET (Nebraska Environmental Trust) and WaterSmart Grant with a 50-50 split.

By my understanding if flow meters are mandatory then the NRD is not eligible for grant money. But if it isn't mandatory, how many producers will install a flow meter?

Other Questions:

1. What kind of cost-share would the NRD be offering?
2. Is the NRD interested in buying the meters for a government discount?
3. NET grant is due September 10 and WaterSmart is due April 2020. Do you want staff to apply or wait?
4. Is there other priorities that should go into the grants?

Committee was concerned with putting the extra cost and reliability of remote sensing and soil moisture sensors. Committee directed staff to write a NET grant for water flow meters without any remote sensing. Staff plans to present a draft to the Committee at the July Water Committee.

Staff and Committee discussed the approved meter list with the plan to review all meters on this list in the fall/winter. It was brought to the attention of the Committee about voluntary flow meter installation and does staff have the authority to obtain information without prior approval. Staff will be only collecting meter information from sites that are required to have meters without permission. All high capacity wells (over 50 GPM) drilled after May 8, 2008 and Expand Acres Variances approved after December 10, 2012 are required to have a flow meter with annual water use

reports.

6.C.2.a.4. Vadose Sampling in Phase Areas

Proposals has been submitted by UNL and EA Engineering. JEO letter shows that they will not be submitting a proposal. Russ and Daryl reviewed the proposals and recommend EA Engineering to do Phase 1 (collecting the samples from the field) and the Water Center will do the laboratory analysis on the water and soil collected.

6.C.2.a.5. Voluntary Integrated Water Management Plan - LPNNRD

Daryl met with Amy Zoller - NDNR about the required annual V-IMP (Voluntary-Integrate Management Plan) review. It has been one year since the Board approved the V-IMP for the District. The annual report is due March 1 of each year with the annual review conducted after the report. Items discussed were goals and objectives with both parties feeling that majority of the items in the plan were proceeding as planned. One of the issues that will need addressed is the yearly re-allocation of allowable water use. When the plan was approved it was agreed by both parties that a 50-50 split would be acceptable of the 2,276 AF (acre-feet) of the allowable new development for the first 5 years. This allotment will be adjusted on an annual basis. Since we started with the V-IMP in 2016 the LPN has gave out 771.1 acre feet. Initially if we started out with 50 percent of the 2276 AF the LPN would begin with 1138 AF over 5 years, so that would leave us with 366.9 AF available over the next 2 years. DNR has not used any of their allotments, so as both parties re-allocate every year that would leave us 752.48 AF to use over the next 2 years. The plan is not to use this much as the remaining balance can be carried over into the next 5 year allowable depletions. These numbers are how it was interpreted, so until it is actually seen in writing, please accept these numbers as estimates.

Attached is some information from DNR V-IMP report with the plan to make a formal presentation to the Water Committee/Board June 2020.

Committee wants an update on the V-IMP at an upcoming Water Committee. At the present time the report will be given at the Committee on August 29. More information will be coming, so other Board members can have an opportunity to sit in on the presentation.

6.C.2.b. CHEMIGATION

For 2019 we have 660 renewals and 28 new permit applications for a current total of 688. Inspections for 41 renewal permits have been completed along with 10 new permits. The breakdown by County for the Total Number of Renewals within the LPNNRD.

County	Number of Renewals
Boone	53
Butler	106

Colfax	56
Dodge	111
Madison	7
Platte	105
Saunders	222

The breakdown by county of the number of renewal inspections completed.

County	Number of Renewal Inspections Completed
Boone	15
Butler	
Colfax	1
Dodge	
Madison	1
Platte	15
Saunders	9

The breakdown, by county for the 28 new chemigation permit applications, are listed below:

County	New Chemigation Applications
Boone	4
Butler	1
Colfax	7
Dodge	3
Madison	
Platte	4
Saunders	9

6.C.3. GROUND WATER PROGRAMS

6.C.3.a. DECOMMISSIONED WELL PROGRAM--Updating reasonable rates & Cost-share that was approved in the last fiscal year

Updating Reasonable Rates & Cost-share approved for the last fiscal year

Reasonable rate information:

- The reasonable rate sheet is attached with the recommended rates that have been updated by the staff. The sheet includes changes to itemized rates based upon

averages that are provided by licensed well contractors that have performed well decommissioning's throughout our district within the last two years. The rates are an average between the actual rate averages of the well contractors and the approved rates at the present time. Recommendations for a capped reimbursement amount on all drilled wells and hand-dug wells is also included on the sheet. There may also be certain circumstances that a well may be much more substantial than our capped reimbursement amounts.

- **Max Cost-Share cap for any drilled well: \$750 (reimbursed amount from the DNR is \$500)-open for discussion; secondary suggestion is to adjust to \$1,000**
Max Cost-Share cap for any hand-dug well: \$1,000 (reimbursed amount from the DNR is \$700)-open for discussion; secondary suggestion is to adjust to \$1,500
- If a well has an outstanding expense that is far beyond our capped reimbursement amount it shall be looked at a case by case basis and may be approved upon the Water Committee and Board decision. For example if a well is 400+ feet deep or if there is a large hand-dug well it may cost more than a couple grand to decommission. If a well meets this criteria then the Water Committee and Board could approve an amount exceeding the capped limit for reimbursement to the well owner; which would allow for more incentive to get the well decommissioned.
- Rate changes: Pump and Obstruction removal (livestock & Domestic) Currently (\$110.00) **Adjust to \$125.00**; Disinfecting material **Remain at \$4.25 per bottle**; Gravel fill, recommend changing it to one fixed rate (per ton) currently \$27.50 ton/delivered **Adjust to \$31.50**; Bentonite material (50 lb bag) **Adjust to \$13.00**; Pre-fab cap, **Remain at \$40.00**; Backhoe labor is currently \$84.75/hr, **Adjust to \$95.00**; General Labor is currently \$55.00/hr, **Adjust to \$60.00**; Mileage is currently \$2.10/mile, **Adjust to \$2.25/mile**; **Taxes change to 7.5%**

Cost-share approved in the last 2018-2019 Fiscal year:

- Cost-share for ten (10) wells for the well decommissioning cost-share program were completed and reimbursed in the last fiscal year.
- The LPNNRD total reimbursement to well owners was \$7,031.30 total. That's an average of \$703.13 per well. The total reimbursement that the LPNNRD will receive from DNR shall be \$4,499.34. The well decommissioning budget for the 2018-2019 fiscal year was \$10,000.

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

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	County
Lawrence Hynek	Hand-dug	\$647.39	Saunders
Mary Morrison	Irrigation	\$742.04	Saunders

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

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

A meeting with the technical committee was held on June 17 in Norfolk. The budget was presented to the group with next years dues still set for \$30,000. Katie Cameron and Jesse Korus presented to the committee the idea of hiring a person to take care of the Geo-Cloud and to start assembling geologic models of the AEM (Airborne Electromagnetic Survey) data along with wells and bore holes. ENWRA will be applying for a WSF grant to start this process and will be wanting letters of support from the NRD partners.

6.C.3.c. GROUND WATER QUALITY SAMPLING

Staff is in the process of collecting water sampling from all of the dedicated monitoring wells. Some of the wells are too deep to allow pumping, so staff is utilizing a rope with a hydra sleeve attached, which is lowered into the wells for 24 hours. Staff will then bring the hydra sleeves out of the well and pour the water collected into the proper jars for analysis. An invoice is attached for the hydra sleeves.

6.C.3.d. GMDA Summer Conference

Attached is the report from GMDA conference in Salt Lake City. GMDA Winter Conference is planned for January 12-15, 2020 in Fort Lauderdale, Florida.

6.C.4. SURFACE WATER PROGRAMS

6.C.4.a. STATE LAKES, FOR THE WEEK OF JUNE 17, 2019

No lakes in Lower Platte North are on current HAB Alert or with high E.coli bacteria.

What should I look for to avoid Harmful Algal Blooms?

Harmful Algal Blooms usually have heavy surface growths of pea-green colored clumps, scum or streaks, with a disagreeable odor. It can have a thickness similar to motor oil and often looks like thick paint in the water. Algae blooms usually accumulate near the shoreline where pets and toddlers have easy access and the water is shallow and more stagnant. It is important to keep a watchful eye on children and pets so that they do not enter the water. Aspects to watch out for include:

- **Water that has a neon green, pea green, blue-green or reddish-brown color.**
- **Water that has a bad odor.**
- **Foam, scum or a thick paint-like appearance on the water surface.**
- **Green or blue-green streaks on the surface.**
- **Areas with algae that look like grass clippings floating in the water.**
- **When algal blooms are present at a lake, avoid protected bays and shorelines on the windward side of the lake. These are areas that generally have higher concentrations of algae, and potentially toxins.**

6.C.5. OTHER (Budget)

6.C.5.a. Committee Date and Time

The Water Committee is proposing to move the Water Committee to Thursday morning, as majority of the directors are already coming to other Committee meetings.

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

6.D. Projects Committee - Action as Required

6.D.1. UNFINISHED BUSINESS

No unfinished business.

6.D.2. SWCP

6.D.2.a. SWCP Application Approvals

6.D.2.b. SWCP Payments

6.D.2.c. SWCP Cancellations

19-S-4 Hartman Family Trust - \$12,500.00

They decided to cancel summer application and re-apply for fall work.

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

No new business.

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

No new update.

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

No new updates.

6.D.3.a.2. U.P. Railroad Bridge Replacement Meeting Shell Creek Bridge - Road 15, Colfax County

A teleconference between Union Pacific Railroad, Olsson's, Colfax County representatives, SCWIG representative, and LPNNRD staff was held on 6/25/2019 regarding the railroad's plans to replace bridges at county roads 14 & 15. U.P. has plans to complete the bridge replacement on road 15 in 2020. As part of the local commitment to size the largest bridge possible, the railroad will require an eventual memorandum of understanding with Colfax County and LPNNRD that we are proposed bridge on the north and continuing on south of the track to the Platte River. A list of potential Shell Creek improvements as provided by Mark Mainelli, Colfax County Engineer were reviewed. Mainelli will provide hydraulic modeling to assist U.P. with their bridge design. Matt Bailey has had positive feedback so far from effected landowners. Landowner Jeff Wachal was also present at the meeting to say that he and others potentially involved seem supportive toward moving this project effort forward.

6.D.3.b. Wahoo Creek Watershed

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

Attached is FYRA's invoice for contract services totaling \$16,381.75. After this payment, \$66,924.96 will remain under contract.

As part of the planning process, we will meet with Saunders County Zoning on July 1st to continue discussions on establishing a Dam Breach Overlay District below the eleven proposed floodwater reduction dams.

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

Attached is a \$9,781.84 invoice from Olsson for contract geo-tech work on Wahoo

Creek Structure sites 26a, 26b & 27. After this payment, \$1,830,992.56 will remain under contract (\$415,268.58 for sites 26a., 26b. & 27 and \$1,415,724 for remaining eight sites).

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

6.D.4. JOINT WATER MANAGEMENT ADVISORY BOARD - 8:30 a.m.

The advisory board met on June 18th with Frank Pollard, Bill Saeger, Lon Olson representing LPNNRD. Also in attendance were Gene Ruzicka, Sean Elliott and Mountford. The primary topic being moving forward for applying Water Sustainability Fund (WSF) assistance to complete a comprehensive analysis of flooding and drainage issues and solutions in the lower third of Dodge County. LPNNRD (\$3,000), Fremont (\$3,000), Dodge County (\$3,000) and Inglewood (\$1,000) have agreed to toward having JEO complete a WFS application for state funding assistance. Brian Newton, Fremont City Administrator, Kevin Kruse and Jake Miriofsky with JEO, were present to discuss this joint effort.

Fremont is also working on applying for federal assistance through FEMA/NEMA. Lalit Jha with JEO gave an update. With WSF applications being due July 1, potential local contributions from advisory board members were requested as this will need to be known for the application process. The total estimated amount being used for application purposes is \$1 million. The initial plan discussed is to apply for 75% (\$750,000) FEMA funding and 60% of the remaining \$250,000 from WSF. That would leave \$100,000 locally for advisory board members to contribute. While there are several advisory board members, most do not have much available funding. Fremont, Dodge County and LPNNRD are being asked to initially agree to equally share the costs of the proposed local share.

At the June 18th meeting, the Advisory Board passed the following recommendation for each entity to take to their governing body" : "Authorize the City of Fremont, on behalf of the Joint Water Management Advisory Board, to solicit a Request for Proposals from qualified engineers to apply for Hazard Mitigation Grant Program funding through the Nebraska Emergency Management Agency (NEMA) and, if awarded, perform professional services to develop flood mitigation and resiliency solutions to reduce the impacts of flooding on public and private infrastructure." Also are attached letters of support for moving this forward.

6.D.5. LOWER PLATTE RIVER CORRIDOR ALLIANCE

No new information.

6.D.6. HAZARD MITIGATION PLAN UPDATE

We have been working with JEO to set up a Hazard Mitigation Plan kickoff meeting at our office 10:00 a.m. - 12:00 p.m.. on July 2nd. This will start the process for updating our district-wide plan with communities, counties and other entities.

We have also received a \$15,890 invoice from JEO for contract work completed as

attached. Of this invoice, \$12,140 is for work completed on the HMP update, of which we will receive 75% (\$9,105) reimbursement from FEMA. The remaining \$3,750 will be reimbursed from FEMA (75% = \$2,812.50) with the remaining 25% of this amount to be reimbursed by Fremont (\$781.25) and Schuyler (\$156.25) for work done on their flood risk assessment. No committee or Board action is required for this work completed under contract.

6.D.7. EROSION AND SEDIMENT RULES AND REGULATIONS

6.D.8. OTHER

6.D.8.a. North Bend Dike Damage Repair Update - JEO @ 7:30 a.m.

As a result of the March floods, there was extensive erosion damage to about 250 feet of the four mile North Bend Dike. North Bend has hired JEO to lead the city toward helping for the eventual repair estimated at approximately \$725,000 total cost. Teresa Busse, North Bend City Clerk, Kevin Kruse and Jake Miriofsky, JEO, were present to discuss their activities on this project. Over that past several years, LPNDRD has assisted the city with dike repairs and stabilization. North Bend has applied for FEMA funding assistance and will be meeting with them soon to inspect the damaged project area.

6.D.8.b. Draft Projects Budget Review

7. Additional Action Items

7.A. SWCP Payment Approval

19-B-1 Gary Meister \$9,820.64

Work Completed under the SWCP Summer Program consisted of storage terrace basin and underground tile construction. Total approved under application was \$12,500.

Chad Hansen - Tree Planting - 955 Trees - \$1,038.56

7.B. Rawhide Ditch 8 Debris Clean-Up Request for Proposal

The District sustained damage from the March Flooding on Rawhide Ditch 8. The damage occurred from Elkhorn River flows in which it deposited large amounts of cornstalks and mud. To use FEMA funding, we need to advertise and send out a Request for Proposals (RFP) for debris removal. This project needs to be accomplished by September 21.

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.