

Regular Board of Directors Meeting
Monday, December 8, 2014 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

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

6. Report of Standing Committees

6.A. Executive Committee - Action as Required

6.A.1. MEETINGS

6.A.1.a. Pending

6.A.1.a.1. Nebraska Water and Water Law Conferences

The Nebraska Water Conference and Nebraska Water Law Conference will be held March 19 and 20 at the UNL College of Law in Lincoln. Directors may attend a single conference or both depending on your interests. Those wishing to attend should let Jill know.

6.A.1.a.2. NARD Legislative Conference

A tentative agenda for the NARD Legislative Conference, January 27-28 is attached. Once again we will have our Dinner with the Senators on Tuesday, January 27th.

6.A.1.b. Reports

Attached find Mountford's NRD/NARD Employee Benefits Committee and Intergovernmental Risk Management Pool Association Loss Control Committee Meeting which was held October 27, 2014, @ Fonner Park, Grand Island, NE.

6.A.2. MANAGEMENT ITEMS

6.A.2.a. Directors Absence

Attached find absence requests from Director Johannes and Taylor for October Board Meeting. Kavan, Taylor, Bailey and Hilger from November Board Meeting.

6.A.2.b. Bob Weaver

6.A.2.b.1. Monthly Conference Call and Update

The Monthly Weaver Conference call will be held the first week in December.

6.A.2.b.2. Monthly Bill

We have not received Bob Weaver's monthly bill, but will have it before Board Meeting.

6.A.2.c. Monthly Education Program

Mountford will give a short program on the LPNNRD Long Range Plan.

6.A.2.d. CCEI Lawsuit

No new information since last month.

6.A.2.e. Nominating Sub-Committee

At the January Board Meeting yearly officer elections will take place. It is necessary for the Board Chair to appoint a Nominating Committee to bring forth a slate of

candidates. In the past this committee has been the past Board Chairs who are Johannes, Kavan, McDermott, Saalfeld and Sabatka.

6.A.2.f. Retainer Agreement

Our two year Retainer Agreement with Bromm, Lindahl, Freeman-Caddy & Lausterer terminates immediately following January 2015 board meeting. Attached to the Executive Committee Minutes is a new retainer agreement proposed by Lausterer. The only changes from the previous agreement is clarifying language in section 3.

6.A.2.g. Lower Platte Basin Caucus

The Lower Platte Basin Caucus meets every four years for the purpose of selecting a basin representative for the Nebraska Natural Resources Commission. Clint Johannes has served as our representative for the past 12 years and done an outstanding job for our two districts. Clint has made the decision to not serve another term on the Commission so another nominee will be needed. It has previously been agreed that the NRC representative for the commission will be rotated so the nominee will need to come from LPSNRD. It is important that we have representatives at the basin caucus which is scheduled for January 16 at 9:30 a.m. at Lower Platte South's Office in Lincoln. Our directors from Fremont reside in the Elkhorn Basin and are not eligible to vote at the caucus. Bob Hilger resides in the Blue Basin and is also not eligible to vote at the Lower Platte Basin Caucus.

6.A.2.h. Report from Director Vacancy Sub-Committee

At the November Board Meeting a Director Vacancy Sub-Committee (McDermott, Sabatka, Veskerna, Gibney and Kavan) were appointed and directed to report back at the December Board Meeting. The position was advertised in the Wahoo Newspaper with self nominations being due by December 1. The committee will likely bring a nominee forward at our December 8 Board Meeting for approval by the Board.

6.A.3. EQUIPMENT

6.A.4. PERSONNEL

6.A.4.a. Rural Water Manager Position

Mike Sousek has accepted the General Manager position with Lower Elkhorn NRD. Miyoshi is requesting that we begin advertising the position as soon as possible. We are required to advertised staff positions for three consecutive weeks unless promoting a current employee.

6.A.4.b. O & M / RW Technician Position

Discussion can take place concerning the Operations and Maintenance/Rural Water Technician Position.

6.A.5. FINANCE

6.A.5.a. Approval of Financial Reports

The October Financial Statement was distributed to all Directors.

6.A.5.b. Approval of Managers Time and Expense Sheets

Attached find Manager Miyoshi's time and expense sheets.

6.A.5.c. Accounts over 90 Days

Review attached Accounts Receivable Over 90 Days

6.A.5.d. Renew Line of Credit with Union Bank

Our \$400,000 Line of Credit with Union Bank is due for renewal in December.

6.A.5.e. Union Bank Note Payment

We have budgeted to pay down the Union Bank Note (Wanahoo) \$700,000 this fiscal year using NRD tax receipts. We are currently waiting a reimbursement for WS/CC land purchased which should come in December. Once this reimbursement is made management is recommending that we make a \$350,000 payment on the note. The current note balance is \$5,563,714.84 with \$2.5 million expected from the NRDF Fund and \$700,000 from NRD funds.

6.A.5.f. Interest Payment to Union Bank

Our semi-annual interest payment to Union Bank is due in December in the amount of \$55,492.76.

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

6.B.1. WILD NE/CREP REPORT

6.B.1.a. Wildlife & CREP Payments

There are no CREP payments.

The WILDNebraska Wildlife Extension agreement for the Homestead Lake enhancement project has not been sent in to the feds. Game & Parks is still waiting on other Districts to submit their proposals. NE G & P hopes to have more information by the end of the year. The District's share is 25% not to exceed \$5,000 on this project.

6.B.2. OPERATION & MAINTENANCE & OTHER ITEMS

6.B.2.a. O & M Crew

Staff put in two additional gates at Sand/Duck site 16 for the landowner. We took out the docks at Czechland and Wanahoo. Started maintenance on vehicles, equipment and

trailers. Attempted to burn multiple trees piles at Czechland and on Wanahoo since it snowed. Also, shut down the wells and hydrants at the recreation areas.

6.B.2.b. Equipment

The Bobcat was back in the repair shop with an issue with the exhaust regeneration system filter. The filter was all carboned up and wouldn't burn or clean it's self out. The filter was sent out to be cleaned. Virgl Implement says the previous fire has nothing to do with this problem.

6.B.2.c. Community Forestry - St. Peter Lutheran North Bend

The "Rooted in Faith" tree planting project by St. Peter Lutheran in North Bend is completed. A bill from Nielsen Tree Farms for 10 Black Hills Spruce and 10 Douglas Fir was submitted to the District for \$1,800.00. The invoice has been paid by St. Peter Lutheran, they are now requesting 50% cost share which is \$900.00. Staff has not inspected the site.

6.B.2.d. Arbor Day Foundation Trees

The District would once again like to purchase 1,000 pre-packaged trees from the Arbor Day Foundation to be given away to students for Earth Day and Arbor Day in April 2015. The Fremont Eco-Fair will use 500, Conservation Sensation 400 and 100 for other request. The cost is .92 per tree, with shipping the total will be approximately \$970.

6.B.2.e. Grass Drill Platte County

Mueller Sod Farm sent the District a check for \$472.50 for the rental of the grass drill from July through November. We have not heard from the other two drill rental cooperators.

6.B.2.f. Fremont 205 Feasibility Study

Currently the District has been reimbursed by Dodge County for the ongoing study cost on the Fremont 205 Feasibility Study. There is no new information from the COE.

6.B.2.g. Cottonwood Dam 8-D

Josh Barry, landowner below Cottonwood Dam 8-D is requesting cost-share assistance to clean the drainage ditch from Cottonwood 8-D to County Road N, approx. 1,250'. He claims water does not stay in the ditch during high flows causing water issues in his field. He has obtained two bids, Rodgers Construction \$2,000 and Liermann Excavating \$2,500. Staff would like to require that the operator not farm immediately next the the ditch. Discussion before a motion.

6.B.2.h. Czechland Campground Revenue

During the camping season at Czechland Lake the electrical camper pads brought in \$1,699.43 from January-June and \$4,532.27 from July-October, totaling \$6,231.70. The electric usage charge from Butler Public Power for the year was \$1,116.24.

6.B.2.i. Homestead Lake Silt Basin

A silt basin located on the south side of Homestead Lake needs to be cleaned out before water starts flowing around it. The adjacent property to the south is owned by Herman Ostry. Ostry is interested in implementing 4 - 5 basins on his property to help control the silt from this drainage. Heimann is working with a contractor from Abie, Lavern Krivanek, and Ostry to use the spoil in our basin to put back on Ostry's property. Paper work for cost-share assistance has been sent to Ostry. The estimated price for the combined project is \$16,182. The work timeline is unknown. See attached aerial.

6.B.2.j. Wanahoo Dam

ME Collins will start on the down stream bank erosion repair Tuesday, November 25.

6.B.2.k. Wanahoo Park Expenses to Date

As of the end of October 2014, our total Lake Wanahoo Park expenses were \$20,262, which is less than half of the \$41,380 that was projected for 2014. See the attachment for details.

6.B.3. ROCK AND JETTY

6.B.3.a. Requests

David Marshall was asking if cost-share assistance is available for bank stabilization maintenance. His property and cabin/house is on the Platte River Reserve property, formerly known as Tomek Island. His cabin/house is literally on the bank of the Platte River. Heimann suggested submitting his invoices and that it may be possible for cost-share next May or June depending on the budget because his request is now a lower priority according to our policy.

6.B.4. EROSION & SEDIMENT RULES & REGULATIONS

6.B.4.a. Complaints

There are no complaints.

6.B.5. INFORMATION AND EDUCATION

6.B.5.a. Information

6.B.5.a.1. Radio and eAds

We are currently running ads promoting tree sales for next spring on KTIC and in the Wahoo newspaper.

6.B.5.a.2. Long Range Plan

Staff have been working on updates for our next Long Range Plan and it is nearing completion.

6.B.5.a.3. Tree Program Updates

The district's Tree Planting brochure and online store was updated with new prices and species list.

6.B.5.b. Education

6.B.5.b.1. Range Judging Contest

The NRD and Saunders County NRCS and Extension have been requested to host a Range Judging Contest in September 2015. We will be talking with NRCS and Extension about this further. We will not be hosting a Land Judging Contest in October 2015 because it's the Lower Platte South's turn to be the lead.

6.B.5.b.2. County Government Day

Butler County Government Day was held Monday Nov. 17. Normally Thompson attends to represent the NRD but was unable to go this year due to a funeral. The Butler County NRCS office covered our portion of the presentation.

6.B.5.c. Computer

6.B.5.c.1. Firewall Training

Thompson attended a free workshop in Omaha from WatchGuard (our firewall vendor). The training covered a number of ways to improve network security using built-in tools in the firewall.

6.B.5.c.2. Rec Area and Tree App Updates

Work is almost complete on major updates to the NRD Trees and NRD Rec Areas apps for iOS. Both apps have been completely rewritten for iOS 8 and Apple's new programming language and include a number of new or improved features. LPN staff and directors and I&E staff from other districts will be asked to help test the apps before release.

6.B.6. RURAL WATER SYSTEMS

6.B.6.a. Bruno/David City Rural Water

Samples will be taken on November 25th, results should be known by board meeting.

Peoples Services is currently operating the treatment plant in David City. Staff has seen a decline in the amount of free chlorine residue at the Bruno mater meter. We are currently still above the threshold required by the Department of Health and Human Services for chlorine residue.

6.B.6.b. Colon Rural Water

Samples will be taken on November 25th. Results should be known by board

meeting. The initial repeat samples from the previous month failed sample have all been negative which is a positive. Four additional samples will be taken during our routine monthly sampling schedule.

Staff has been working with two customers on helping to determine leak problems. Both leaks are after the meter connection point and will be the responsibility of the customer to fix.

Staff attended the November Village of Colon board meeting and discussed the history of the rural water system and the process of us collecting sewer fees and reimbursing the Village with the monies we collect.

As usual the same names remain on the disconnection list and will be given one last chance prior to December 10th to make a payment otherwise water service will be disconnected.

6.B.6.c. Brainard and Dwight Feasibility Study

As of the 21st of November the draft report of the Brainard and Dwight feasibility study has not been received. Staff has been working with JEO and providing information to incorporate into the report. This report needs to be completed in the month of December per the requirement of the grant used to pay for it.

6.B.6.d. Other

- Czechland Lake improvement plans have been updated to incorporate the changes made within the last few months dealing with a soil core vs. rock core for the jetties. The plans and specs are completed and staff has reviewed them. The next step in the process is to advertise for bids for construction. The plan is to advertise three consecutive weeks, the weeks of December 15, 22, and 29. Open bids January 9th for have approval of accepted bid at the January 12th board meeting. Construction could start as soon as ice is no longer an issue on the lake. Staff hopes to have construction completed by June 2015. Recommendation needed.
- The \$20,000 grant from Game and Parks for the Czechland Lake improvement project needs to be spent before December 31st. Staff has received a quote for 785 tons of Type C riprap from Kerford Limestone Company. The price per ton is quoted at \$25.50, giving a grand total of \$20,017.50. Language will be incorporated into the bid document informing the contractor that this rock will need to be hauled to the site from the rock quarry. Recommendation needed.

6.C. Water Committee - Action as Required

6.C.1. REGULATORY

6.C.1.a. GROUND WATER MANAGEMENT AREA

6.C.1.a.1. DNR Draft Revised Rules Title457

DNR will conduct public hearings for consideration of revising rules to determine whether a Basin is Fully Appropriated. The two closest hearings are scheduled for:
December 10, 2014 at 9:00 am in Norfolk
December 15, 2014 at 2:00 pm in Lincoln

Most of the revised rules deal with definitions (see attached sheet).

6.C.1.a.2. Irrigated Acres for 2015 in the HCA and NHCA

The district continues to receive well permit applications for approved variances.

6.C.1.a.3. Variance Request in the Hydrologically Connected Area (Limited Development Area)

No new variance applications have been received.

6.C.1.a.3.A. Jeffrey Stork New Well Variance

Jeff Stork has applied to install a well to irrigate 22 acres in Dodge County. The proposed well is located 35 ft. from a domestic well owned by Gary Kremlacek. This is in the Platte River Uplands subarea which is just north-east of Fremont and is in a restricted development area. Staff met with Jeff Stork, John Tank, and the domestic well owner, Gary and Tammy Kremlacek (and attorney) on 11/24/2014 at 4:00 pm. Jeff Stork has agreed to pay for trenching a new line from the Kremlacek domestic well to Mr. Kremlacek's house, but not for a new domestic well. The Kremlacek well is ~40 years old and ~110 feet deep. It is difficult to find adequate water in this area and even Mr. Stork had several test holes dug before an adequate formation was found near Mr. Kremlacek's domestic well.

After much discussion, the parties agreed to talk among themselves to see if a solution could be resolved by the next Water Committee meeting.

6.C.1.a.4. Variance Requests in the Non-Hydrologically Connected Area (Normal Development Area)

No new variance applications have been received.

6.C.1.a.5. Variance Requests in the Restricted Development Areas

No new updates.

6.C.1.a.6. Well Permit Program

6.C.1.a.6.A. Well Permits Approved

Wells Permits Approved: #

Landowner	Number of Wells	Number of New Irrigated Acres	Type of Well	County	Subarea
Charles Emanuel	1	0	Replacement	Dodge	North Bend
Jonathan Temme	1	135	New	Boone	Upper Newman Grove
John Temme	1	135	New	Boone	Upper Newman Grove
Eugene Stock	1	0	Supplemental	Platte	Middle Shell Creek

The total number of approved permits for 2014 is 69.

Location of Approved Well Permits for 2014: Correct as of 11/24/2014

County	Irrigation - New	Irrigation - Replacement	Stock	Commercial	Municipal	Other	Total
Butler	1	5	0	0	0	0	6
Colfax	1	2	0	0	0	0	3
Dodge	5	9	0	1	0	1	16
Boone	7	1	0	0	0	0	8
Madison	1	0	0	0	0	0	1
Platte	5	5	1	0	0	1	12
Saunders	13	7	0	0	0	3	23
Total	33	29	1	1	0	5	69

6.C.1.a.6.B. John Temme New Well Application

John Temme is requesting a new well in Section 14-T22N-R6W in Boone County. Mr. Temme was approved for 66 acres in section 22 through the HCA variance program. He would like to drill the well in section 14 to irrigate the

approved 66 acres as well as 76 acres in section 14 (see attached map). The 76 acres are currently part of a 207 acre system serviced by well G-067547.

6.C.1.a.6.C. Jane Stara Revocable Trust Replacement Well

The Stara's are requesting a replacement well in Section 19-T15N-R4E in Butler County (within the Butler-Saunders SQS). This is the first replacement well application received in this SQS.

6.C.1.a.6.D. Supplemental Well Permit Applications in the Platte Colfax SQS.

The district has two supplemental well permit applications on file within the Platte-Colfax Special Quantity Subarea. The committee tabled these applications during the summer of 2014 with the intention of reviewing them after the fall ground water levels were recorded.

6.C.1.a.6.D.1. Tim, Richard & Alice Sprunk Supplemental Well Application

Tim, Richard & Alice Sprunk have submitted a well permit application for a supplemental well in the Platte-Colfax Special Quantity Subarea. The well will be located in the SE 1/4 of the SW 1/4 of Section 10-T18N-R1W. They currently irrigate one full size pivot and two small pivots totaling 234 acres (see attached map). The new well will provide water to the full size pivot while the old well will pump water to the two small pivots and the occasional cattle tank. Attached are the test holes provided by Mr. Sprunk.

Staff recommendation is to not approve supplemental wells in the SQS.

The Water Committee took no action.

6.C.1.a.6.D.2. Mark Hoessel Supplemental Well Application

Mark Hoessel has applied for a new supplemental well in the NE 1/4 of the NE 1/4 of Section 11-T19N-R1E in Platte County. He currently irrigates 5 pivots totaling 234 acres off of one well. If approved, the new well will irrigate the two smaller pivots to the south and potentially the south pivot across the road to the east (see attached map). All systems are currently connected, so the new well would also be used as a back up if the original well has issues. The test hole provided by Mr. Hoessel is also attached.

The Water Committee took no action.

6.C.1.a.6.E. Wurnemunde Replacement Well Amendment

Catherine Wurnemunde has asked the district to amend her previously approved replacement well permit. They would like to leave the old well and use it as a stock well pumping less than 50gpm. This well is located in NW1/4 of the SE1/4, Section 24, T21N, R5W in Boone County.

6.C.1.a.7. Potential Violation of Expanded Irrigation

Staff is currently investigating an expansion of irrigation violation north of Rodgers. The violation was confirmed after reviewing the mapped GPS points and the current 2014 aerials. Staff would like to wait until the acre certification is returned before pursuing this violation further. Acre certifications for Dodge county are due by February 1st, 2015.

6.C.1.a.8. Special Quantity Subareas

6.C.1.a.8.A. LPNNRD SQS Operator Certification Classes

Section R, Rule 2.3 says that the board shall establish education requirements by December 15 for the following year.

SQS Classes – Agenda Outline

1. **Reason for SQS** (Goal to preserve long term irrigation but address mid-summer declines, Multi-layer confined aquifers, Pocket aquifers, Recent irrigation development, 2012 drought, Hydrographs from continuous reading monitoring wells)
2. **Boundaries of SQS** (Show maps)
3. **Who Needs to Attend** (Landowners, managers, or operators of irrigation system or basically the person making the decisions / ultimately the landowner is the responsible party)
4. **Rolling Allocation** (Explain the process and penalty if you use too much water)
5. **Flow Meters and Maintenance** (Approved list of flow meters, proper installation, and reading and reporting the reading to the LPNNRD)
6. **SQS Area Rules** (Improper meter installation, meter installed by May 1, 2015, well water level measurement twice per year, rotation, allocation, random inspections by NRD)

Two educational classes have been set up for producers in the Butler-Saunders SQS for:

- Wednesday, January 14, 2015, at 2:00 p.m. (afternoon)
- Tuesday, February 17, 2015, at 7:00 p.m. (evening)

Letters will be mailed to producers to tell them of the classes. Since proper installation of the flow meter is required, staff would also prefer that attendance by the operator of the irrigation systems, also be required this first year.

A slightly different letter will be mailed to producers in the Platte-Colfax SQS area noting a potential change in the date that flow meters have to be installed (May 1, 2016). This will require a change in our rules and to hold a public hearing.

6.C.1.a.9. Lower Platte River Basin Water Management Plan Coalition (LPRBC)

The next meeting of the Technical committee is at the LENRD in Norfolk on December 2, 2014. Main agenda items will be the Goals and Objectives and Water Banking.

The next Managers meeting is in O'Neil at the UENRD on December 12, 2014.

6.C.1.a.10. Voluntary Integrated Water Management Plan - LENRD and LPNNRD

- The last Coordination meeting was held on November 20, 2014 at 10:00 am at Olsson's new office near the Lincoln Arena. Most of the discussion focused on water banking, especially within the State of Colorado. The LPRBC is currently discussing this item.
- The NRD has received an Invoice for \$2,685.73 from Olsson Assoc. for services rendered through November 13, 2014 (see attached invoice).
- The LPNNRD has received a draft copy of the Water Balance Study (see attached report and figures). Angle has reviewed the study and the main concern is the use of CALMIT 2005 data, which is 9 years old and additional irrigation has been added since then (see attached review). However, this is still the best information that is currently available.

6.C.1.a.11. Cost Share Programs

6.C.1.a.11.A. Irrigation Well Sample Kits

A total of 367 kits have been requested and sent (one of these was mailed in mid November). The results from 356 of these kits have been received from HHS/Lincoln; range is 0.00 to 101.0 ppm.

6.C.1.a.11.B. Domestic Well Sample Kits

Kit was sent to Hough in mid November. This cost-share program is available only in the Phase 2 areas.

Kit #	Date sent	Date collected	Nitrate result (in ppm)	Bacteria 0 = no hit 1 = hit	Remarks
14-3716	11/10/2014	11/12/2014	19.9	?	[138]Hough - bacteria > 30 hours

As per instructions Hough collected the sample in the morning and took it to the Bellwood Post Office before it closed at noon. Through the mail system the kit went by Priority Mail from Bellwood to Norfolk to Lincoln. It wasn't received in Lincoln until the morning of 11/14/2014 which is more than the 30-hour window for the bacteria sample. Oaklund contacted the Post Office in Bellwood and Wahoo regarding the U S Mail's postal product "Priority Mail 1-Day". A second bacteria

sample bottle was sent to Hough last week. Hough collected the sample on 11/19/2014 and mailed it as Priority Mail at the Post Office in Bellwood but this time with a tracking number (see attachment). The tracking showed that priority mail now going through Norfolk will exceed the 30-hour window for bacteria sampling. When Oaklund again contacted U S Mail he was told that the package was received by the Updated Delivery Date and that Priority Mail 1-Day service is not a guarantee of one day delivery. The Postal Service then made recommendation of Express Mail to guarantee overnight delivery. The cost of Express Mail is \$19.99.

What all this means is that future mailing of bacteria samples will no longer be an option.

6.C.1.a.12. Bellwood Phase 2 Area

2014 is the twelfth year of this Phase 2 Area. Five more results have been received since the last month for a total of 106 producer sample results (range of 0.0 to 22.3 ppm).

Year	Nitrate-nitrogen Range	Percent Nitrate-nitrogen 0 to 8.0 ppm	Percent Nitrate-nitrogen 8.01 to 10.00 ppm	Percent Nitrate-nitrogen greater than 10 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)	41% (44 of 107)
2014	0 to 22.3 ppm	51% (54 of 106)	13% (14 of 106)	36% (38 of 106)

6.C.1.a.13. Richland - Schuyler Phase 2 Area

2014 is the eleventh year of this Phase 2 Area. Eleven more results have been received the last month for a total of 250 producer sample results (range of 0.0 to 101.0 ppm).

Year	Nitrate-nitrogen Range	Percent Nitrate-nitrogen 0 to 8.0 ppm	Percent Nitrate-nitrogen 8.01 to 10.00 ppm	Percent Nitrate-nitrogen greater than 10 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)	62% (150 of 241)
2013	0 to 94.0 ppm	25% (63 of 252)	9% (23 of 252)	66% (166 of 252)
2014	0 to 101.0 ppm	27.2% (68 of 250)	8.4% (21 of 250)	64.4% (160 of 250)

6.C.1.a.14. LPNNRD Certification

6.C.1.a.14.A. LPNNRD Operator Certification Classes

No on-line tests have been completed since the last committee meeting. Staff of LPNNRD will meet with UNL County Extension Educators next Monday, December 1st, to set up classes.

6.C.1.a.15. Certifying Acres in Saunders and Dodge Counties

Chris Poole reports that he and Tyler Benal are inputting Saunders County information into the computers. All parcels for Dodge county have been mailed out with a return date of February 1, 2015.

6.C.1.b. CHEMIGATION

Currently we have 456 chemigation permits in our District. Staff is updating our rules for future review by DEQ and our Board. We will have to go to public hearing to update these.

6.C.1.c. LIVESTOCK WASTE PERMITS

No new livestock permit applications from DEQ since the last Water Committee meeting.

6.C.2. GROUND WATER PROGRAMS

6.C.2.a. DECOMMISSIONED WELL PROGRAM

6.C.2.a.1. Well Estimates

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

Well Owner	Type of Well	Cost Share Estimate	County
Jane Stara Rev. Trust	Irrigation	\$943.11	Butler
Goedeken Farms Inc.	Irrigation	\$602.48	Platte
Charles Emmanuel & Sons Inc.	2 x Irrigation	\$1,001.59	Dodge
Bernard Hain	2 x Stock	\$901.56	Butler

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

No wells have been plugged, reviewed, or ready for cost share payment approval this month.

6.C.2.b. LOWER PLATTE NORTH NRD GROUND WATER STUDIES

6.C.2.b.1. Elkhorn Loup Model (ELM)

No new update.

6.C.2.b.2. Eastern Nebraska Water Resources Assessment (ENWRA)

Katie Cameron (ENWRA Coordinator) has arranged to have the latest findings of the recent AEM flights to be presented at the next NARD Conference near the end of January.

NET grant is still under review by their committee, and results not expected until February 2015.

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

Staff completed its collection of the Fall GWEL readings in early November. The Ground Water Level Summary Comparison of Fall 2013 to Fall 2014 is an attachment. These readings are encouraging and show rainfall in June and late August were helpful.

As a reminder, the LPNNRD has three subareas that could be declared as Level 2 management areas next spring if those readings are below the trigger level: David City, Bellwood, and Fremont East.

6.C.2.d. GROUND WATER QUALITY SAMPLING

Results for the sixteen monitoring well sites sampled thus far have been received. One nitrate result was 11.8 ppm.

6.C.2.e. FORMER ORDNANCE PLANT NEAR MEAD

The last Public Availability meeting was held on November 12, 2014 at the Yutan VFW Country club building.

- The 2013 Containment Evaluation has been completed with the recommendation to install an additional extraction well (EW-18) at the leading edge of the LL2 plume that will be placed between EW-7 and EW-9. To date several extraction (EW wells) and focussed extraction wells (FEW) have been shut off, primarily due to these wells pulling the contaminant plumes away from other extraction wells. The wells shut down are EW-8 (LL1), EW-10 (LL2), EW-6, EW-5, EW-16, EW-3, (all LL3), EW-2 (LL4). Extraction wells still operating include EW-12 and EW-17 (LL1), EW-9 and EW-7 (LL2), FEW-14 and EW-4 (LL3), FEW-15 and EW-1R (LL4).
- The highest RDX (explosives) concentrations are in LL2, while the highest TCE concentrations are in LL1 and LL4.
- The second 5 Year review has been completed. This is required by the Corps to take a fresh look at the clean-up efforts and evaluate any new technology that could shorten the cleanup time or cut cost.
- On site UV treatment systems have been installed on several extraction wells (EW-4, 7 and 9, FEW-11 and 14) to the point that the main treatment plant is no longer needed and therefore has been shutdown since April 30, 2014. Reuse of the cleanup water is still available on the existing discharge lines, but users have had to install booster pumps to increase the pressure for use in center pivots.
- Public availability meetings have gone from quarterly to semi-annual.
- The Pilot Studies for in-situ treatment within the aquifer for RDX and TCE are still on-going.

6.C.3. SURFACE WATER PROGRAMS

6.C.3.a. USGS STREAM FLOW GAUGING SITES

Attached is a funding agreement with USGS to continue flow monitoring on Shell Creek near Columbus, Wahoo Creek near Ashland, and a real time ground water level monitoring site at ARDC.

6.C.4. OTHER

6.C.4.a. GMDA ANNUAL CONFERENCE

GMDA Annual Conference is scheduled for January 6-8, 2015. The main agenda will be on the Central Arizona Water Project that provides water for agriculture, municipalities, and industries. This project will likely service as a model for future California and Kansas water projects.

6.C.4.b. COMMENTS FROM THE PUBLIC

6.D. Projects Committee - Action as Required

6.D.1. SWCP

6.D.1.a. SWCP Application Approvals

None

6.D.1.b. SWCP Payments

None

6.D.1.c. SWCP Cancellations

None

6.D.1.d. Cottonwood Creek Payments

6.D.1.e. Sand/Duck Creek Approvals

We have received two additional Sand and Duck Creek applications for conservation work in the watershed

Jeff Tepoel / Chris Tepoel	Basins/Tile	75%	\$ 5,400.00
William Chromy	Basins/Tile	75%	<u>\$ 7,896.00</u>
TOTAL:			\$ 13,296.00

No motion from Committee Meeting

6.D.1.f. Sand/Duck Cost Share Payment

None

6.D.1.g. 2014 Nebraska Buffer Strip Payments

Approval of 2014 Nebraska Buffer Strip Payments as attached.

6.D.1.h. Wahoo Creek Cost Share Approvals

We have three approved Wahoo Creek Watershed applications NRCS is requesting to move to Lands for Conservation approval for next Summer.

Jami will be present to discuss approvals. All three were under the understanding that they were applying for Lands for Conservation when applications were signed. All three fields have been planted to wheat in preparation of LFC work next Summer.

Donald Fujan 8 acres = \$ 1,760.00
Dennis Fujan 40 acres = \$ 8,800.00
Dennis Fujan 33 acres = \$ 7,260.00

TOTAL: \$ 17,820.00

6.D.2. WATERSHEDS

6.D.2.a. Shell Creek - Watershed Plan

6.D.2.b. Wahoo Creek Watershed - Water Quality Plan (PIP) Phase I

As outlined in the attached report, JEO began looking at streams to narrow down priority areas and began stream and land use assessments. These tasks were 10% complete at the end of October.

6.D.3. LOWER PLATTE RIVER CORRIDOR ALLIANCE

6.D.3.a. LPRCA Monthly Report

A monthly report for November is anticipated by Board Meeting.

6.D.4. OTHER

6.D.4.a. Army COE 205 Projects

6.D.4.a.1. Fremont 205

As reported at the O, E & RW committee meeting, Dodge County has paid their share of 205 study expenses.

6.D.4.a.2. Schuyler 205

Attached to the Project Committee Minutes find the latest weekly construction report. The project is 80% complete, with a good portion of topsoil placement completed over the weekend. The final completion date is now December 15th.

6.D.4.b. Shell Creek Landowner Levee Project Update

Update from Mark Mainelli, P.E. : We have requested and received some of the required study summary from the COE. We anticipate the hydraulic portion of the report will be sent this week. I am hopeful at that point we will be able to determine the study requirements for your project.

6.D.4.c. All Hazard Mitigation Plan Update- JEO Progress Report and Invoice

After our HMP meetings in October, JEO has been working with communities on their identified projects to reduce damages from natural disasters and to complete hazard risk assessments. Attached is a draft that was submitted by LPNNRD. At the end of October the HMP was 28% complete as outlined in the attachment.

6.D.4.d. Review of Projects Financial Statement

6.D.5. SAND CREEK ENVIRONMENTAL RESTORATION PROJECT REPORT

6.D.5.a. Lake Wanahoo

6.D.5.a.1. Wahoo By-Pass & County Road Paving Project Updates - Mike Murren

Two lanes over the top of the dam and County Road 17 intersection were opened on November 20th. Construction activities are now in winter shutdown and will resume in the Spring.

6.D.5.b. Upstream Structures - Update

6.D.6. WESTERN SARPY/CLEAR CREEK LEVEE REPORT

Segment 4b is near 50% complete with moving of random fill and minor clearing and grubbing to take place this fall (weather permitting).

Segment 5 landrights have been completed and COE will award construction contract on November 26th.

6.D.6.a. Project Invoice From PMRNRD

We have had a long standing agreement with Papio NRD to pay a maximum of \$150,000 each year for our WS/CC project expenses. Attached is their request for payment.

7. Additional Action Items

7.A. LARM Interlocal

LARM has made a few minor changes to the Interlocal Agreement we have for our insurance coverage, a copy is attached. We can approve the new agreement now or review further and approve in January.

7.B. LARM Representative

LARM has offered to have one of our elected directors serve on the Risk Management Board that oversees the insurance pool. They would like to have this representative in place by the end of the year. This group meets five times per year and LARM pay for actual expenses to attend the meetings. We need a director to step forward

7.C. Lower Platte Weed Management Payment to PMRNRD

Our District is in an Inter-local Agreement with the Papio-Missouri and Lower Platte South NRD's to help control Phragmites on the Platte and Elkhorn Rivers & Tributaries. Papio-Missouri NRD has submitted an invoice for the agreed amount of \$20,000 for the shared program cost to control Phragmites.

7.D. Hazard Mitigation Payment to JEO

7.E. Wahoo Creek WQ Plan Payment to JEO

7.F. Amendment to Czechland Shoreline Contract with JEO

The amendment will allow JEO to advertise, prepare bid documents and construction document, bid letting, meet with contractor, construction observation and management for of \$15,000.

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.