



<b>Butler</b>	1	0	1	0	0	0	2
<b>Colfax</b>	0	0	0	0	0	0	0
<b>Dodge</b>	1	0	0	0	0	0	1
<b>Boone</b>	1	0	0	0	0	0	1
<b>Madison</b>	2	0	0	0	0	0	2
<b>Platte</b>	2	1	1	0	0	0	4
<b>Saunders</b>	1	3	0	0	0	1	5
<b>Total</b>	8	4	2	0	0	1	15

#### 1.B.1.c. Special Quantity Subareas

Staff did a random check of well measurements within the SQS areas. Most of the wells showed an increase from the spring level. At this time staff will not be doing many more well measurements within these areas, except if irrigation starts up within the next couple of weeks.

#### 1.B.1.d. Lower Platte River Basin Water Management Plan Coalition (LPRBC)

A meeting of the technical group was held on July 16. Discussion was held on reporting to DNR online and what each NRD tracks on a yearly basis. A lot of discussion centered around flow meters, municipal and industrial use.

#### 1.B.1.e. Voluntary Integrated Water Management Plan - LPNNRD

As of July 15 the IMP has been completed for all of the needed publications.

#### 1.B.1.f. Cost Share Programs

##### 1.B.1.f.1. Irrigation Well Sample Kits

152 irrigation kits were mailed out in July. Precipitation has slowed the requests as producers have waited to irrigate. Nine samples have been received. The results for two of these have been received from the lab and these results were mailed to producer.

1.B.1.g. Bellwood Phase 2 Area

2018 is the sixteenth year for the Phase 2 Area.

No samples to report at this time for 2018.

1.B.1.h. Richland - Schuyler Phase 2 Area

2018 is the third year of this Phase 2 Area. There are 45 registered active irrigation wells in the ten sections of this new area.

No samples to report at this time for 2018.

1.B.1.i. Richland - Schuyler Phase 3 Area

2018 is the third 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.

2018	15.2, 16.3	0% (0 of 2)	0% (0 of 2)	100% (2 of 20)
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1.B.1.j. LPNNRD Operator Certification

Three online test requests were received in July. Each passed test and a certification card was mailed.

Cert #	Cert date	Name	Re-cert	Comments
5878	7/2/2018	Paul Kettelson	Yes	
6482	7/5/2018	Randy Fendrich	Yes	
5937	7/24/2018	Steven Svatora Jr	Yes	for Chem permit

1.B.2. CHEMIGATION

For 2018 we have 619 renewals and 90 new permit applications for a current total of 709. Inspections for 203 renewal permits have been completed.

639 applications were sent out for renewals.

The breakdown by County for the Total Number of Renewals within the LPNNRD.

County	Number of Renewals
Boone	55
Butler	89
Colfax	42
Dodge	96
Madison	7

Platte	102
Saunders	228

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

County	Number of Renewal Inspections Completed
Boone	11
Butler	20
Colfax	22
Dodge	51
Madison	6
Platte	42
Saunders	51

The breakdown, by county for the 90 new chemigation permit applications, are listed below:

County	New Chemigation Applications
Boone	3
Butler	22
Colfax	18
Dodge	22
Madison	0
Platte	8
Saunders	17

### 1.B.3. LIVESTOCK WASTE PERMITS

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

Name	Livestock	Type of Permit	Legal Description	County
CJ Hog	Swine	New Permit	NE¼ Section 17-19N-03W	Platte County

Description of permit application

This will be construction of 2 buildings holding 6000 head of finishing swine.

1.C. GROUND WATER PROGRAMS

1.C.1. DECOMMISSIONED WELL PROGRAM

1.C.1.a. 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
Maurice Bonne	Domestic	\$989.55	Butler

1.C.1.b. 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
Donna Sabata	Irrigation	\$1,200.62	Butler

1.C.2. LOWER PLATTE NORTH NRD GROUND WATER STUDIES

#### 1.C.2.a. Lower Platte River Consortium

A meeting was held at LPS on July 17 to discuss feedback from the open house and to discuss the action plan. The main comment coming from the open house was to consider the pipeline connection to the Missouri River or to the Omaha water system.

Discussion on triggers included the Palmer Drought Index and Drought Index used by the Drought Center along with actual flows within the Platte River. A combination of all three is something the group is looking at. The idea is to try to forecast long and short term drought for implementation of the action plan.

A list of potential projects are attached showing the benefits and costs of each scenario. A couple of projects on the list that is located in the District is Skull Creek and Dry Lease. Discussion on the Dry Lease included the cost and logistic on conducting this project. These projects will be given a priority ranking and then put into the action plan for a list of potential projects. One project that is still being evaluated is installing a dedicated high capacity well on the southern part of Todd Valley.

#### 1.C.3. NEW MONITORING WELLS

Drilling on the west site began on Monday, July 30th and the final site was completed the first full week of August. Staff will begin sampling wells and installing transducers into all 3 wells.

##### 1.C.3.a. Crop Damage

Staff will be determining the dollar amount for crop damage that incur during the drilling of the monitoring wells.

#### 1.C.4. GROUND WATER QUALITY SAMPLING

Precipitation has slowed the start of irrigation and only a few producers have contacted LPNNRD to have their network well sampled.

#### 1.C.5. Groundwater Budget

Discussion on Groundwater Budget

#### 1.C.6. Flow Meter Discussion

The Committee asked staff to identify what wells already have meters within the District and how many wells would potentially need meters.

### 1.D. SURFACE WATER PROGRAMS

#### 1.D.1. STATE LAKES, FOR THE WEEK OF

#### **Harmful Algal Blooms**

**FOUR Lakes will be on "Health Alert"** this week. NDEQ in conjunction with numerous collaborators monitor public beaches and sample for microcystin, a toxin produced as a result of a Harmful Algal Bloom. A lake that exceeds 20 ppb of microcystin will be placed on "Health Alert". That lake will remain under "Health Alert" Status until such time that it has tested below 20 ppb for two continuous weeks.

If a lake is under a Health Alert, signs will be posted recommending people avoid full body contact activities such as swimming, wading, skiing, jet skiing, etc.

**No Lakes in Lower Platte North with harmful algal blooms**

A complete list is attached with other sites.

**Lakes that tested high for *E. coli* bacteria** this week are listed below. *E. coli* bacteria levels measured above 235 colonies/100 ml of sample are considered a higher risk for illness when swimming. Considering the more rapid changes in bacteria conditions, signs are not posted with these higher levels although we want people to be aware and use their own judgment on their use.

**Lakes with High *E. coli* Bacteria Levels**

Fremont Lake No. 10 is on the list. Other sites are attached.

This information is updated weekly on our web site, <https://deq-iis.ne.gov/zs/bw/> .

1.E. OTHER

1.E.1. Phoenix Database Presentation

1.E.2. COMMENTS FROM THE PUBLIC

2. LPNNRD Operator Certification

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#### 7. Cost Share Programs

#### 8. Voluntary Integrated Water Management Plan - LPNNRD

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#### 9. Groundwater Budget

Discussion on Groundwater Budget

#### 10. OTHER

#### 11. SURFACE WATER PROGRAMS

#### 12. GROUND WATER QUALITY SAMPLING

Precipitation has slowed the start of irrigation and only a few producers have contacted LPNNRD to have their network well sampled.

#### 13. Lower Platte River Basin Water Management Plan Coalition (LPRBC)

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16. GROUND WATER PROGRAMS

17. NEW MONITORING WELLS

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21. LOWER PLATTE NORTH NRD GROUND WATER STUDIES

22. Well Permit Program

23. REGULATORY

24. Water Committee

25. UNFINISHED BUSINESS

26. GROUND WATER MANAGEMENT AREA

27. Variance Policy

Past Committee meetings, discussion was held on setting minimum numbers from the ranking sheet for approving variances. Staff will show some past variance numbers for discussion purposes.

What criteria does the District want to consider?

What policy is wanted for the expansion of acres variance?

More discussion at future Committee meetings on the variance scoring and policy will be held as staff provides more information and recommendations.

28. Well Permits Approved

Wells Permits Approved: 0

Landowner	Number of Wells	Number of New Irrigated Acres	Type of Well	County	Subarea

The total number of approved permits for 2018 is 15

Location of Approved Well Permits for 2018: Correct as of 6/27/2018

County	Irrigation - New	Irrigation - Replacement	Stock	Commercial	Municipal	Other	Total
Butler	1	0	1	0	0	0	2

<b>Colfax</b>	0	0	0	0	0	0	0
<b>Dodge</b>	1	0	0	0	0	0	1
<b>Boone</b>	1	0	0	0	0	0	1
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### 32. Well Estimates

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### 35. Phoenix Database Presentation