

Water Committee Meeting  
Thursday, July 30, 2026 9:30 AM  
Lower Platte North NRD Office  
1616 County Road 17  
Wahoo, NE 68066

1. UNFINISHED BUSINESS

2. REGULATORY

2.A. GROUND WATER MANAGEMENT AREA

2.A.1. Variance Request in the Hydrologically Connected Area (Limited Development Area)

The deadline is September 15.

2.A.2. Variance Requests in the Non-Hydrologically Connected Area (Normal Development Area)

The deadline is August 15.

2.A.3. Variance Requests in the Restricted Development Areas

2.A.4. Well Permit Program

2.A.5. Supplemental Well Permit

Weston Loseke has applied for a Supplemental Well Permit for the SE SE 33-19N-2W, Platte County. The location is NW of Platte Center. Information on location, test hole and current water level graph is attached along with comments from Grosh Irrigation below.

**From:** Silver Creek Office <[silvercreek@groschirrigation.com](mailto:silvercreek@groschirrigation.com)>

**Sent:** Wednesday, July 8, 2026 8:33 AM

**To:** Daryl Andersen <[dandersen@lpnnrd.org](mailto:dandersen@lpnnrd.org)>

**Subject:** Scott Loseke test hole

I am working on the permit but its been a mad house around here and looks like I forgot to email this also but here it is. Spencer estimates it to pump between 700-900GPM. Let me know if you have any questions. I will get the permit sent to Scott hopefully today!

**JeniLynn Storm**

Office Manager

Grosch Irrigation Co., Inc.

3110 33rd Road - PO Box 337

Silver Creek, NE 68663

308-773-2261- Office

**Discussion:**

The committee reviewed the provided information, including the historical water levels, and agreed that the location seems suitable for a supplemental well.

2.A.6. Irrigation Runoff Complaint

2.A.7. Well Interference Complaints

A draft well interference complaint form and policy document has been prepared. The well interference complaint form has been updated to request GPS coordinates of the well(s) and provide the complainant an overview of the actions the NRD will take in response. Staff is requesting comments and feedback on these documents so they can progress to being approved for use.

**Discussion:**

Several recommendations were made for the interference complaint form that will be actioned before the next committee meeting, including:

- Adding fields for water levels
- Logging communication with the involved parties
- Adding an area for additional wells suspected of interference

The procedures were also reviewed, and the section on resolution of complaints will be reviewed in the next committee meeting. Feedback included:

- Expand the communication methods to include email or phone initially, and only send a certified letter as a last resort.
- Make clear what is the complainant's expense, and not the NRDs, such as hiring a well inspector or hydrogeologist.

2.A.8. Special Quantity Subareas

2.A.9. Cost Share Programs

**RO (Reverse Osmosis) — cost** share is 75% up to \$800 with assistance of \$70 for registering the domestic well.

Dean Novak has two sites eligible for RO. Results were 8.17 ppm & 14.3 ppm. One of his domestic wells is not registered.

Jeff Anderson has applied for 1 site that is eligible for RO with his site testing over 10 ppm. Jeff's well is not a registered domestic well and the cost for registering a domestic well has risen to \$240.

Attachment is the current application and qualifications.

## **Flow Meters**

### **Galen Kehrli - 1 Flow Meter - \$1,000**

Discussion on applying for a grant for updating drop nozzles on pivots.

#### **Discussion:**

The committee felt that the RO cost share should be increased to \$1,000, but that the cost of registration should be the responsibility of the property owner. Registration will still be required to qualify for cost share.

#### 2.A.9.a. Irrigation Well Sample Kits

#### 2.A.9.b. Data sharing

Discussion on individuals or firms wanting data from the NRD.

Currently, we have a request from a student here who is working with Dr. Debra Perrone from University of California, Santa Barbara on rules and regulation, shape files and orders issued.

The NRD gets requests from realtors, engineering firms, county assessors or patrons from the district.

In the past, the NRD has provided the information that has been requested.

#### **Discussion:**

The committee was concerned about how staff time in managing and replying to these requests, and suggested possibly charging for staff time. Additionally, the committee would like to investigate the implications of LB1096, which permits the restriction of public data sharing about critical infrastructure, such as water.

#### 2.A.10. LPNNRD Operator Certification

#### 2.A.11. Lower Platte River Basin Water Management Plan Coalition (LPRBC)

#### 2.A.12. Voluntary Integrated Water Management Plan - LPNNRD

### 2.B. CHEMIGATION

Less than 10 renewal inspections left.

## 2.C. GROUND WATER ENERGY LEVELS

## 2.D. GROUND WATER QUALITY SAMPLING

- 80% of our Statewide Network Wells have been sampled. Contaminants sampled for are: nitrates, pesticides, sodium, iron, magnesium, and uranium.
- All of Todd Valley is currently being sampled to assist with management decisions in the future.
- District-Wide maps of all sampling events will be provided to the board this winter.

## 3. GROUND WATER PROGRAMS

### 3.A. DECOMMISSIONED WELL PROGRAM

FY25–26 we had 11 water well abandonments that received cost share payment.

#### 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 |
|------------|--------------|---------------------|--------|
|            |              |                     |        |
|            |              |                     |        |
|            |              |                     |        |

#### 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 |
|------------|--------------|---------------------|--------|
|            |              |                     |        |
|            |              |                     |        |
|            |              |                     |        |

### 3.B. LOWER PLATTE NORTH NRD GROUND WATER STUDIES

### 3.B.1. Phase Area Update

### 3.B.2. Precision Nitrogen Demonstrations

For the past 3 years, the NRD has been doing demonstrations with producers on utilizing precision nitrogen applications through the Sentinel Company. This year, the pumps were furnished to Ethan Cuda and Travis Klug with fields in the Schuyler-Richland Nitrogen Management Area. The NRD purchased a couple of variable rate pumps three years ago and assist the producer in paying for the first year of satellite imagery. The producer and Sentinel provide the NRD information on the field at the end of the year on nitrogen reduction.

Attached is this invoice from Sentinel for \$1,716. They have raised their rates from previous years.

### 3.B.3. Lower Platte River Consortium

## 3.C. NEW MONITORING WELLS

### 3.D. AI Model

Preliminary data for the SQS2 area, including water level measurements and flow meter data, were provided to Dr. Jesse Korus for review. The data will require additional cleaning up to train a potential AI model in the future. Additionally, if model development is pursued, existing GIS data and models developed by LRE/Spheros would be helpful.

The current proposed scope would be to train an AI model using extensive data from the SQS2 area, and roll the model out district wide by subarea over the course of one year. A graphical user interface (GUI) for modifying model parameters and visualizing data would be delivered at the end of the project.

If the committee would like to move forward, staff would like to proceed with Request for Qualifications (RFQs) and Request for Proposals (RFPs).

### **Discussion:**

Before progressing to RFQs and RFPs, the committee would like staff to provide additional information and clarity on:

- Specific examples and scope of what the model will do
- AI Inputs
- AI Outputs
- How the end product will be used
- Value of the data

## 3.E. SOURCE WATER PROTECTION

### Water Committee Source Water Protection

Increased interest in communities wanting to update their Wellhead Protection Plans have caused some questions to arise in how the NRD will participate in helping communities protect their drinking water. We currently

conduct water sampling in these areas and help with preparing the plan by conducting contaminant source inventory. I am looking for guidance from the committee on what else we should do to help communities within our district.

Committee discussed topics below. No further actions were taken.

Projected Communities to update in the next 1-2 years:

- Yutan- Meeting with City Council on August 17<sup>th</sup> with DWEE
- Mead- Met with earlier and they are currently working on an aquifer analysis with DWEE
- Cedar Bluffs- will need updated after construction of new well
- North Bend- will need updated after construction of new well

Cost-Share Ideas:

Item at potential well siting assessment locations.

Monitoring wells: Cost-share with monitoring wells that can be used by both the district and the community for water quality and quantity while improving our monitoring network to both collect more data and strengthen modeling accuracy.

Water Sampling: More expensive sampling (13 Parameter) to give us more quality data as well as showing communities what is around their WHPA

Vadose Zone Sampling: Getting an idea of what is moving through the soil profile will help in making sure a site for the community is reasonable. It will also give us an idea of areas of concern as contaminants flow through the soil profile.

4. Weather Stations

This is the cost for half of a year, which will expire June 30th of 2027. At the present time this will be in FY26-27 budget.

5. SURFACE WATER PROGRAMS

5.A. STATE LAKES, FOR THE WEEK OF

5.B. USGS STREAM FLOW GAUGING SITES

Attached is USGS quarterly invoice per contract for stream gages on Shell Creek and Wahoo Creek for \$4,334.

6. OTHER

6.A. GMDA Meeting

Two staff members attended the Groundwater Management District Association conference in Lubbock, TX from July 21-23. Topics included information on using data for decision-making, case studies on data center water usage, rainwater harvesting, remote sensing, and water issues specific to Texas. Based on information

from the conference, staff members will be investigating topics that may be applicable to the LPNNRD, such as using remote sensing for evapotranspiration rates and crop inventories, programs that could be pursued with Nebraska Extension, and acoustic water level monitoring instruments.

6.B. FY2027 Budget Review



Existing Well G-042825

Loseke New Well

Existing Well G-39683

SC-27  Current Well Location G-002242

 Existing Well Location G-122076

**APPLICATION FOR A PERMIT TO CONSTRUCT A WATER WELL  
IN THE LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT**

**DNR & NRD USE ONLY**

Permit No. \_\_\_\_\_ Date Approved/Denied \_\_\_\_\_ NRD Representative \_\_\_\_\_  
 Permit Type: New, Replacement or Late \_\_\_\_\_ Date Received \_\_\_\_\_ Paid: Cash or Check \_\_\_\_\_  
 Date Post-inspected \_\_\_\_\_ Registration No. \_\_\_\_\_

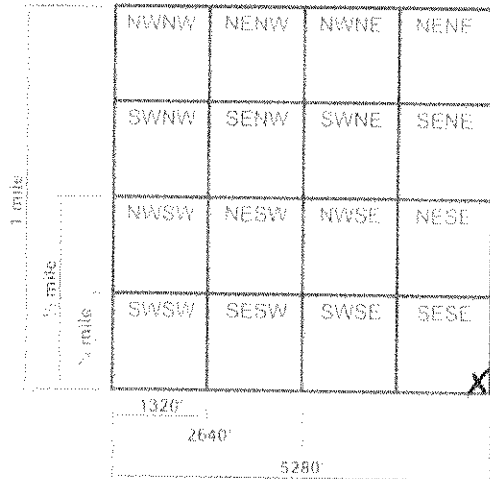
ALL APPLICANTS SEEKING A WATER WELL PERMIT MUST COMPLETE PAGES 1 AND 2, AND THE APPROPRIATE SECTION BASED ON THE PURPOSE OF THE WELL. (CLASS 1 - 4 WELL PERMIT)  
 WATER WELL PERMITS FOR IRRIGATED ACRES GREATER THAN 160 ACRES IN SIZE OR TOTAL ANNUAL WATER USE BETWEEN 150 AND 300 ACRE FEET PER YEAR MUST COMPLETE PAGES 1, 2, AND 3, AND THE APPROPRIATE SECTION BASED ON THE PURPOSE OF THE WELL. (CLASS 3 WELL PERMIT)  
 WATER WELL PERMITS FOR TOTAL ANNUAL WATER USE EQUAL TO OR GREATER THAN 300 ACRE FEET PER YEAR, REGARDLESS OF NUMBER OF IRRIGATION ACRES, MUST COMPLETE PAGES 1, 2, AND 4, AND THE APPROPRIATE SECTION BASED ON THE PURPOSE OF THE WELL. (CLASS 4 WELL PERMIT)

1. NAME AND ADDRESS OF LAND OWNER: Weston Losehe NAME AND ADDRESS OF CONTACT: Scott Losehe  
33013 325th Avenue  
Platte Center, NE 68653  
 Phone: 402-270-0699 Phone: 402-562-1188

2. PURPOSE OF NEW WATER WELL (indicate one):  
☒ Irrigation (Complete section A) \_\_\_\_\_ Dewatering (Over 30 days, Complete section B)  
☐ Livestock (Complete section C) \_\_\_\_\_ Domestic (Irr. on one acre or larger, Complete section D)  
☐ Industrial (Complete section E) \_\_\_\_\_ Public Water Supply (Complete section F)  
☐ Recovery or Remediation (Complete section G)  
☐ Other (specify) \_\_\_\_\_ (Complete section H)

3. IDENTIFY LOCATION OF PROPOSED WELL:  
 A. Platte County, SE 1/4 of the SE 1/4 of  
 Section 33, Township 19 North, Range 2  
 East/West: (circle one)

B. The box at the right represents one square mile, (section). Indicate with an "X", the proposed location of the well. Outline the proposed water use area. If the water is to be used outside the above written legal description, give legal description of water use area.  
 \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of Section \_\_\_\_\_,  
 Township \_\_\_\_\_ North, Range \_\_\_\_\_ East/West.



C. The well will be located 59 feet from the North/South section line, and will be 20 feet from the East/West section line. Or enter Lat. / Long.  
 Latitude Degree 41 Minute 34 Second 1125  
 Longitude Degree 97 Minute 33 Second 3300

4. REPLACEMENT AND ABANDONED WELL INFORMATION:

- A. Is this a replacement well? Yes ☒ No \_\_\_\_\_ If yes, fill out the rest of this section.  
 B. Registration number of well to be replaced: \_\_\_\_\_  
 C. Well to be replaced was last operated (month/year): \_\_\_\_\_  
 D. Replacement well is \_\_\_\_\_ feet from original well.  
 E. Decommissioning of Original well on (month/day/year): \_\_\_\_\_  
 F. If water use is for irrigation, list the number of acres watered by the original well: \_\_\_\_\_  
 G. If water use is for irrigation, will replacement well, water the same tract of land as the decommissioned well?  
 Yes, \_\_\_\_\_ No: If No, list the number of additional acres \_\_\_\_\_ and legal description \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of Section \_\_\_\_\_, Township \_\_\_\_\_ North, Range \_\_\_\_\_ East/West. (circle one)

- A replacement water well must deliver water to the same tract of land as the original water well, pump from a comparable aquifer, and yield approximately the same gallons per minute and total annual water use as the original water well.

5. SPECIFICATIONS OF INTENDED WELL AND PUMP:

- A. Approximate date when construction will begin (month/day/year): ASAP
- B. Expected total well depth: 220 feet.
- C. Well Casing Diameter: 16" inches.
- D. Pump Column Diameter: 8" inches.
- E. Estimated pumping capacity: 700-900 GPM.
- F. Expected total annual water use in Acre Inches / Year \_\_\_\_\_ or Total Gallons / Year \_\_\_\_\_
- G. The system is to be powered by \_\_\_\_\_ Electric ☒ Fuel
- H. Will the well be used in a system with other wells? ☒ Yes, \_\_\_\_\_ No. If Yes, How many 1  
List well registration number and legal description of each well in Section 6 below.
- I. Name of Well Driller: Grosch - Silver Creek (Please attach test hole log, if available.)

6. List additional information requested in this Section or attached additional sheet.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Addition information and requirements for Lower Platte North NRD review.

- Attach current tax assessor records including map, parcel number, and current land use such as irrigated acres.
- Attach aerial photo showing location of water source(s) and area water or reuse water is to be used.
- All new and replacement water wells must install a District approved flow meter and report water pumped annually to the LPNNRD by January 31<sup>st</sup> of the following year. See approved list in this packet.
- Water well permit conditions maybe required for approval by the Lower Platte North NRD for each individual well.

8. I certify that I am familiar with the information contained in this application, and it's restrictions, rules and regulations and that to the best of my knowledge and belief such information is true, complete and accurate.

Date 7-10-2026

Signature of Applicant [Signature]

Signature of Well System Operator, if different than Applicant

NRD Certification Number of Landowner or Operator 8498 (Required for irrigation, livestock, domestic (with irrigation on one acre or more of land), industrial, and public water supply wells.)

9. Lower Platte North NRD Use Only. Comments by District Representative.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

APPLICATION FOR A PERMIT TO CONSTRUCT A WATER WELL  
IN THE LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT

**PURPOSE OF WELL**

**IRRIGATION WELLS**

**(SECTION A)**

- A. How many acres will be irrigated? 135 acres
- B. Crops to be planted: Coen Beans Crop rotation schedule every other year
- C. Type of irrigation system. ☒ Center Pivot, ☐ Gravity, ☐ Other (specify) \_\_\_\_\_
- D. The irrigation system is to be powered by ☐ Electric ☒ Fuel
- ☒ E. Expected total annual consumptive water use in Acre Inches / Year \_\_\_\_\_ or  
Total Gallons / Year \_\_\_\_\_
- ☒ F. Will Fertilizer, Chemicals or Animal waste be applied through the system? ☐ Yes, ☐ No

**DEWATERING WELLS OVER 30 DAYS**

**(SECTION B)**

- A. Purpose of dewatering well, such as installation of building foundation, etc. \_\_\_\_\_
- B. Expected total number of days the dewatering well will be in use \_\_\_\_\_
- C. Approximate dates (month/day/year) in operation: Start \_\_\_\_\_ End \_\_\_\_\_
- D. Legal description of water discharge location: \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of Section \_\_\_\_\_, Township \_\_\_\_\_ North, Range \_\_\_\_\_ East/West and name of river, stream or water body \_\_\_\_\_
- E. Will discharge water be used for another purpose, such as livestock, irrigation, etc.? ☐ Yes, ☐ No  
If Yes, list purpose, location and expected total amount of water use in acre-inches / year or total gallons / year: \_\_\_\_\_

**LIVESTOCK WELLS**

**(SECTION C)**

- A. Name of facility \_\_\_\_\_
- B. Type of Livestock: ☐ Feeder Cattle, ☐ Dairy Cattle, ☐ Swine over 55 lbs., ☐ Swine under 55 lbs.,  
☐ Sheep, ☐ Poultry, ☐ Horses
- C. Average number of livestock per year \_\_\_\_\_ and average weight per animal \_\_\_\_\_ lbs.
- D. Peak number of livestock \_\_\_\_\_ and time of year \_\_\_\_\_
- E. Is facility approved by Nebraska Department of Environmental Quality? ☐ Yes, ☐ No. If Yes, list NDEQ certification IIS number \_\_\_\_\_. If No, complete the rest of this section.
- F. Type of facility: ☐ Open lot, ☐ Covered Building
- G. If facility is Open lot, list soil type \_\_\_\_\_
- H. Estimated depth to ground water under feedlot \_\_\_\_\_ ft.
- I. Describe manure collection system of feedlot \_\_\_\_\_
- J. Name and distance of nearest surface watercourse from feedlot \_\_\_\_\_
- K. For each manure land application site, list legal description and size in acres, method of application, and distance from feedlot operation. \_\_\_\_\_

**DOMESTIC WELLS WITH IRRIGATION ON ONE ACRE OR MORE**

**(SECTION D)**

- A. Check all that apply:
- a. Water use: ☐ Lawn and number of acres to be irrigated \_\_\_\_\_ acres.
- b. Water use: ☐ Commercial garden and number of acres to be irrigated \_\_\_\_\_ acres.
- c. Water use: ☐ Tree Farm and number of acres to be irrigated \_\_\_\_\_ acres.
- d. Water use: ☐ Type of livestock \_\_\_\_\_ and number \_\_\_\_\_
- B. Type of irrigation system. ☐ Sprinkler, ☐ Drip Tape, ☐ Other (specify) \_\_\_\_\_
- C. If applicable, give Street address and town \_\_\_\_\_

\* One acre equals 43,560 square feet.

## GROSCH IRRIGATION CO., INC.

Branch Silver Creek, NE

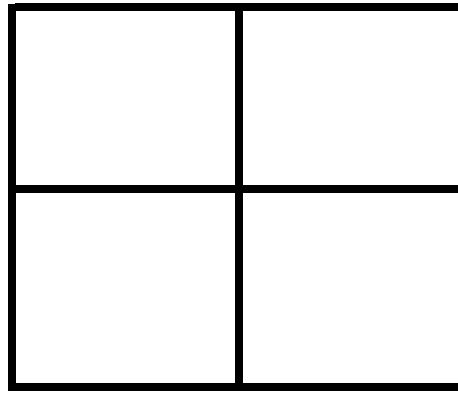
Date 7/1/2026

# test #1

Name Scott Loseke

County Platte

NRD Lower Platte North SE1/4 33 SEC 19 TN 2W RA



GPS  
41' 34' 11.25'  
97' 32' 33.00'

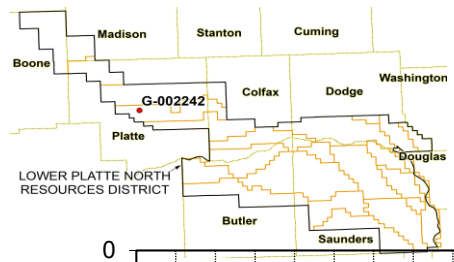
59 FEET FROM South  
20 FEET FROM East

ELEVATION  
1688'

| TYPE |     |                                    |  |  |  | HARDNESS       |  | COLOR  |  | OTHER            |  |
|------|-----|------------------------------------|--|--|--|----------------|--|--------|--|------------------|--|
| 0    | 4   | top soil                           |  |  |  | loose          |  | brown  |  |                  |  |
| 4    | 34  | clay                               |  |  |  | soft           |  | tan    |  |                  |  |
| 34   | 45  | clay                               |  |  |  | hard           |  | tan    |  |                  |  |
| 45   | 70  | clay                               |  |  |  | medium         |  | tan    |  |                  |  |
| 70   | 78  | clay & fine sand                   |  |  |  | medium         |  | tan    |  |                  |  |
| 78   | 90  | clay                               |  |  |  | medium         |  | tan    |  |                  |  |
| 90   | 100 | clay                               |  |  |  | stiff          |  | tan    |  |                  |  |
| 100  | 105 | clay & fine sand                   |  |  |  | unconsolidated |  | tan    |  |                  |  |
| 105  | 124 | fine & fine to medium sand         |  |  |  | unconsolidated |  | tan    |  |                  |  |
| 124  | 131 | clay                               |  |  |  | stiff          |  | brown  |  |                  |  |
| 131  | 145 | fine & fine to medium sand         |  |  |  | unconsolidated |  | tan    |  |                  |  |
| 145  | 150 | fine & fine to medium sand         |  |  |  | loose          |  | tan    |  |                  |  |
| 150  | 175 | fine & fine to medium sand         |  |  |  | unconsolidated |  | tan    |  |                  |  |
| 175  | 182 | silty clay                         |  |  |  | soft           |  | tan    |  |                  |  |
| 182  | 186 | fine & fine to medium sand w/ clay |  |  |  | unconsolidated |  | tan    |  |                  |  |
| 186  | 208 | fine to medium & med to coarse     |  |  |  | unconsolidated |  | tan    |  | traces of gravel |  |
| 208  | 213 | clay w/ fine sand                  |  |  |  | stiff          |  | tan    |  |                  |  |
| 213  | 225 | Ochre                              |  |  |  | hard           |  | ywllow |  |                  |  |
| 225  | 0   |                                    |  |  |  |                |  |        |  |                  |  |
| 0    | 0   |                                    |  |  |  |                |  |        |  |                  |  |
| 0    | 0   |                                    |  |  |  |                |  |        |  |                  |  |
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DRILLER

Spencer &amp; Will Grosch &amp; Cameron Reed

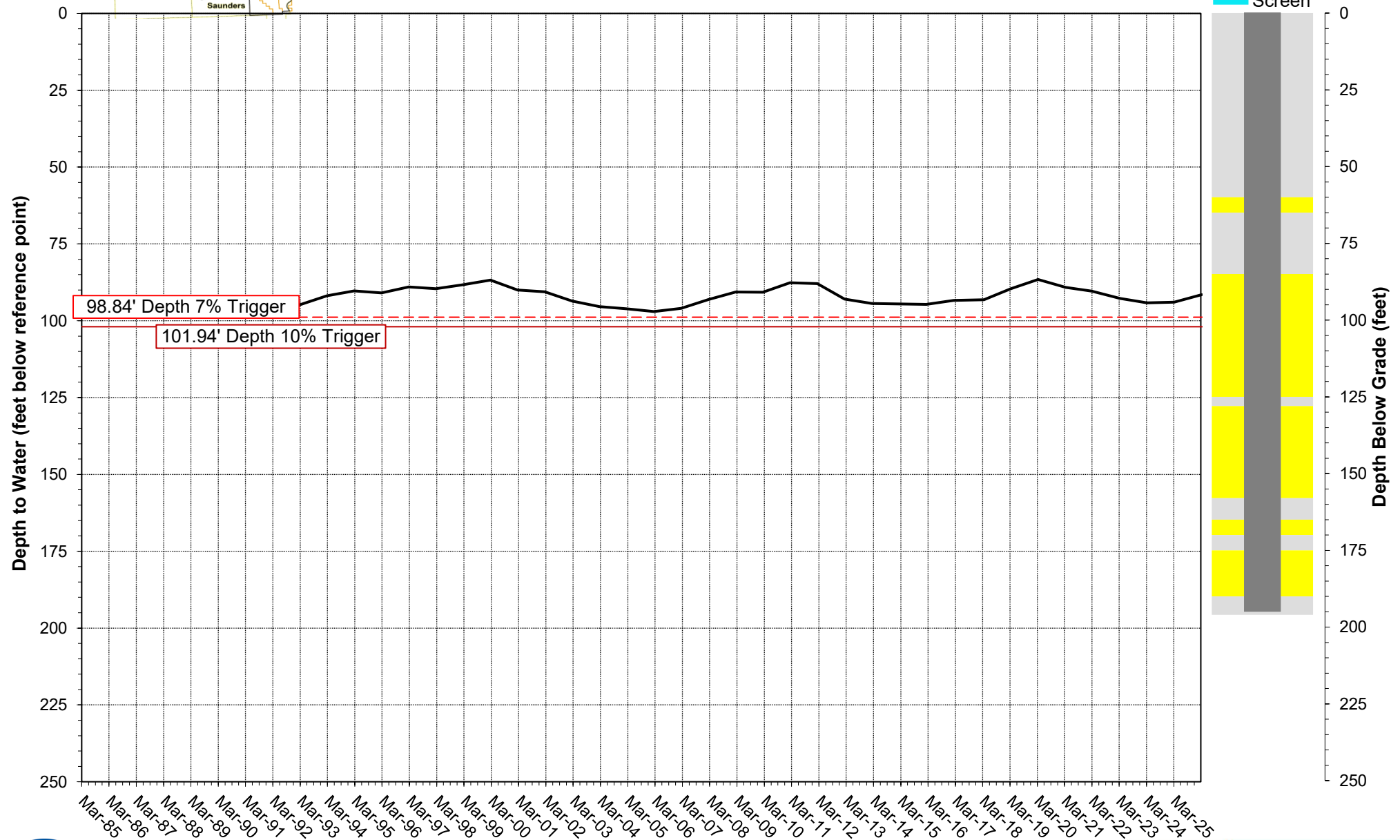


**LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT**  
**G-002242/SC-27**  
**SUB AREA: PLATTE CENTER**  
**SPRING LEVELS DEPTH TO WATER VS. TIME**  
**NW 1/4, SEC. 3, T18N, R2W**  
**SPRING 1985 THROUGH SPRING 2025**

Well Depth: 195 ft  
Well Screen Details Are Unknown

High Capacity Wells Within 1-Mile Radius: 8

- Clay
- Sand
- Sandstone
- Shale
- Limestone
- Casing
- Screen





## WELL INTERFERENCE COMPLAINT FORM

*To be completed by Lower Platte North Natural Resources District Staff*

**Complaint Number:**

**Date Received:**

**Received By:**

### SECTION 1- LANDOWNER INFORMATION

**Full Name:**

**Mailing Address:**

**City:**

**State:**

**Zip:**

**County:**

**Primary Phone:**

**Email Address:**

### SECTION 2- LANDOWNER WELL INFORMATION

#### 2A. Well Type

**Primary Well Use:**

☐ Domestic

☐ Irrigation

☐ Municipal

☐ Livestock

☐ Industrial/Commercial

☐ Other

**If 'Other', please describe:**

**Well Construction Type:**

☐ Drilled

☐ Bored

☐ Sand Point/Driven

#### 2B. Well Identification

**DWEE Well Registration Number:**

A- \_\_\_\_\_ or G- \_\_\_\_\_

**Well Location (Legal Description):**

\_\_\_\_\_ of \_\_\_\_\_ Section \_\_\_\_\_ T \_\_\_\_\_ N R \_\_\_\_\_ E / W

**Well GPS Coordinates**

Lat. \_\_\_\_\_ Long. \_\_\_\_\_

#### 2C. Well Details

**Well Drilling Contractor:**

**Well Driller's License #:**

**Well Drilling Date:**

|                                            |                      |                                  |                      |
|--------------------------------------------|----------------------|----------------------------------|----------------------|
| <b>Well Depth:</b>                         | <input type="text"/> | <b>Casing Depth:</b>             | <input type="text"/> |
| <b>Pump Depth:</b>                         | <input type="text"/> | <b>Top of Screen:</b>            | <input type="text"/> |
| <b>Bottom of Screen:</b>                   | <input type="text"/> | <b>Screen Slot Size:</b>         | <input type="text"/> |
| <b>Pump Manufacturer:</b>                  | <input type="text"/> | <b>Year Installed:</b>           | <input type="text"/> |
| <b>Rated Capacity (GPM):</b>               | <input type="text"/> | <b>Motor Horsepower:</b>         | <input type="text"/> |
| <b>Date of Last Service or Inspection:</b> | <input type="text"/> | <b>Inspected or Serviced by:</b> | <input type="text"/> |

### SECTION 3- DESCRIPTION OF WELL INTERFERENCE

**Type of Issue:** ☐ Reduced flow ☐ Well went dry  
☐ Turbid / discolored water ☐ Sand or sediment in water ☐ Other

**If 'Other', please describe:**

**Date issue began:**

**Frequency:** ☐ Continuous ☐ Intermittent

**Describe the issue in detail (when it occurs, duration, frequency):**

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**Describe what you believe is causing the issue:**

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### SECTION 4- SUSPECTED INTERFERING WELL

|                                           |                                                                                                                                 |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Owner Name (if known)</b>              | <input type="text"/>                                                                                                            |
| <b>Owner Address (if known)</b>           | <input type="text"/>                                                                                                            |
| <b>DWEE Well Registration Number:</b>     | A- <input type="text"/> or G- <input type="text"/>                                                                              |
| <b>Well Location (Legal Description):</b> | <input type="text"/> of <input type="text"/> Section <input type="text"/> T <input type="text"/> N R <input type="text"/> E / W |
| <b>Well GPS Coordinates</b>               | Lat. <input type="text"/> Long. <input type="text"/>                                                                            |

|                           |             |
|---------------------------|-------------|
| Estimated Depth:          | <div></div> |
| Estimated Capacity (GPM): | <div></div> |

## SECTION 5- DOCUMENTATION

---

*Please include the following documents with this form. Incomplete submissions may delay the investigation.*

**Required documents checklist:**

- |                                                                |                                                                     |
|----------------------------------------------------------------|---------------------------------------------------------------------|
| <input type="checkbox"/> Well completion report/ driller's log | <input type="checkbox"/> DWEE well registration record              |
| <input type="checkbox"/> Pump service or inspection records    | <input type="checkbox"/> Pump test data                             |
| <input type="checkbox"/> Photos of well and surrounding area   | <input type="checkbox"/> Map or aerial photo showing well locations |

## SECTION 6- CERTIFICATION AND SIGNATURE

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By signing below, the complainant certifies that all information provided is true and accurate to the best of their knowledge, and that they consent to Lower Platte North Natural Resources District staff and/or contractors accessing their property and well for investigation purposes.

|                                             |                                    |                            |
|---------------------------------------------|------------------------------------|----------------------------|
| <div></div><br><i>Complainant Signature</i> | <div></div><br><i>Printed Name</i> | <div></div><br><i>Date</i> |
|---------------------------------------------|------------------------------------|----------------------------|

**Note:** Upon receipt of your complaint, the LPNNRD will log your submission, notify the owner of any suspected interfering well, and conduct a field investigation to measure water levels and assess the cause. No action will be taken against any well operator until interference has been verified. You will receive written notification of the findings and available resolution options once the investigation is complete.



## WELL INTERFERENCE RESPONSE PROTOCOL

*To be completed by Lower Platte North Natural Resources District Staff*

|                          |                       |                     |
|--------------------------|-----------------------|---------------------|
| <b>Complaint Number:</b> | <b>Date Received:</b> | <b>Received By:</b> |
|--------------------------|-----------------------|---------------------|

This protocol establishes the standard process for reviewing, investigating, and resolving well interference complaints filed with the Lower Platte North Natural Resources District (LPNND). All staff involved in complaint investigations shall follow these procedures. This protocol applies to all well types including domestic, irrigation, livestock, municipal, and industrial/commercial wells.

**IMPORTANT:** No regulatory action, including shut-off orders, shall be issued against any well operator until the investigation is complete and interference is verified. This applies to all wells, including those with shut-off stipulations in their permits. Premature shut-off requests may create legal liability and may not be supported by evidence.

### PHASE 1 — INTAKE & INITIAL REVIEW

|            |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | <b>Log and Acknowledge the Complaint</b>                                                                                                                                                                                                                                                                                                                                                                                |
| <b>1.1</b> | Upon receipt, assign a unique complaint number and log all information in the LPNND complaint tracking spreadsheet. Send written acknowledgment of receipt of the complaint within <b>one business day</b> (?), including the assigned complaint number, the name of the assigned investigator, and an estimated timeline for initial review.                                                                           |
| <b>1.2</b> | <b>Review Submitted Documentation</b><br><br>The assigned investigator shall review all submitted documents including the well completion report, registration records, and any water level data. Identify any missing documentation and contact the complainant to obtain it. Check the LPNND and Nebraska DWEE databases for registration records of both the complainant's well and any suspected interfering wells. |
| <b>1.3</b> | <b>Identify Permit Stipulations</b><br><br>Pull permit records for all potentially involved wells. Flag any well that carries an interference or shut-off stipulation. Document this in the case file.<br><br><b>Note:</b> the existence of a shut-off stipulation does not authorize immediate action.                                                                                                                 |
| <b>1.4</b> | <b>Inform Suspected Interfering Well Owner</b>                                                                                                                                                                                                                                                                                                                                                                          |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>Within 2 business days of completing Step 1.3, the assigned investigator shall provide written notice to the owner of any well identified as potentially involved in the complaint. Notice shall be sent via certified mail. The notice shall inform the owner that a complaint has been received and their well has been identified for review, that no determination of fault or interference has been made, that no action is required at this time, and that LPNNRD staff may request access to their property or pump records as part of the investigation. If the well's permit contains a shut-off or interference stipulation, the notice shall reference that stipulation without implying it will be enforced. Staff shall document the date of notice and method of delivery in the case file</p> |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## PHASE 2 — FIELD INVESTIGATION

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.1 | <p><b>Initial Site Visit</b></p> <p>The investigator shall conduct an initial on-site visit to the complainant's property.</p> <ul style="list-style-type: none"> <li>• Verify well construction details against the submitted completion report.</li> <li>• Photograph the wellhead, controls, and surrounding area.</li> <li>• Interview the complainant to obtain additional details not captured in the written complaint.</li> <li>• Measure the static (non-pumping) water level in the complainant's well using a calibrated electric tape or steel tape. If the complainant's well is a domestic or municipal well, this must be done by a certified well driller or well inspector so proper disinfection protocols are adhered to.</li> <li>• Compare measured levels to historical records if available.</li> </ul>                                                                                                                                                                                                                                                                                                                       |
| 2.2 | <p><b>Site Visit with Certified Well Inspector or Well Driller</b></p> <p>If the initial investigation does not clearly identify the cause, or the well is a domestic or municipal well, the investigator may authorize a more thorough inspection with a certified well inspector or well driller.</p> <p>The certified well driller or inspector should do the following:</p> <ul style="list-style-type: none"> <li>• Determine and document whether any of the following causes may explain the complaint: <ul style="list-style-type: none"> <li>○ Pump or mechanical failure</li> <li>○ Well screen issues</li> <li>○ Regional water table decline due to drought or seasonal conditions</li> <li>○ Water quality change unrelated to neighboring pumping</li> </ul> </li> <li>• Measure the static (non-pumping) water level in the complainant's well using a calibrated electric tape or steel tape.</li> <li>• Compare measured levels to historical records if available.</li> <li>• If deemed necessary, perform a camera down-hole inspection. This inspection will assess casing condition and continuity, screen integrity</li> </ul> |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | <p>and position, the presence of sediment or debris, and signs of casing corrosion or clogging.</p> <ul style="list-style-type: none"> <li>• Provide a written inspection report to add to the case file.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                |
| 2.3 | <p><b>Hydrogeological Review</b></p> <p>For complex cases involving multiple affected wells, regional aquifer concerns, significant economic impacts, or disagreement between parties, the LPNNRD shall engage a licensed hydrogeologist for independent technical review. The hydrogeologist shall evaluate aquifer characteristics in the affected area, review all water level data collected, assess the hydraulic relationship between wells, and provide a written opinion. The hydrogeologist's report shall be obtained before final determination in these situations.</p> |

## PHASE 3 — RESOLUTION

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.1 | <p><b>Internal Review and Determination</b></p> <p>The investigator shall compile all field data, inspection reports, and expert opinions into a case summary. The summary shall be reviewed by the LPNNRD Manager (or water committee??). A formal determination shall be made as to whether:</p> <ul style="list-style-type: none"> <li>(a) Well interference has been confirmed</li> <li>(b) An alternative cause is responsible</li> <li>(c) Insufficient evidence exists for determination</li> </ul>                                                                    |
| 3.2 | <p><b>Notification of Findings</b></p> <p>Both the complainant and any implicated well operator(s) shall receive written notification of the determination within 10 business days of the conclusion of the investigation. Notification shall include a summary of findings, any supporting data, and available resolution options.</p>                                                                                                                                                                                                                                       |
| 3.3 | <p><b>Resolution — Wells WITH Shut-Off Stipulation</b></p> <p>If interference is confirmed and the interfering well's permit contains a shut-off or interference stipulation, the LPNNRD may issue a formal order to cease pumping or reduce pumping as specified in the permit conditions. The order shall specify the effective date and time, pumping restrictions or schedule modifications required, conditions under which restrictions may be lifted, and the process for appeal. Orders shall be delivered in writing via certified mail and/or personal service.</p> |
| 3.4 | <p><b>Resolution — Wells WITHOUT Shut-Off Stipulation</b></p> <p>If the interfering well does not carry a shut-off stipulation, the NRD shall pursue resolution through:</p> <ul style="list-style-type: none"> <li>(a) Voluntary mediation or negotiated pumping schedule between the parties</li> <li>(b) Recommendation that the complainant consider deepening or rehabilitating their well</li> </ul>                                                                                                                                                                    |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | (c) Legal referral if the parties cannot reach agreement and the LPNNRD's regulatory authority does not extend to mandatory action. The LPNNRD shall document all resolution attempts in the case file.                                                                                                                                                                                                                                                                                                               |
| <b>3.5</b> | <p><b>Case Closure</b></p> <p>A case shall be formally closed when:</p> <ul style="list-style-type: none"> <li>(a) The complaint is resolved by mutual agreement</li> <li>(b) A regulatory order has been issued and complied with</li> <li>(c) The complainant withdraws the complaint</li> <li>(d) or no interference is found.</li> </ul> <p>A case closure letter shall be sent to all parties. All documentation shall be retained in the NRD records system per the established records retention schedule.</p> |

Eligible Participants: Active domestic wells within the Lower Platte North Natural Resources District (LPNNRD). Well must be sampled through the LPNNRD's domestic well sampling program, which utilizes the Nebraska State Laboratory. The cost-share program is for a one-time purchase of a water treatment system through this program.

Eligible Components:

- 75% of Equipment and installation costs for a water treatment system, up to \$800
- Registration cost of the domestic well, up to \$70

In-Eligible Components:

- Maintenance costs and follow up sampling after initial sampling
- Registration of illegal wells or equipment (i.e. sand point wells)

Requirements:

1. If the domestic well is not currently registered, the LPNNRD will assist in the paperwork along with the cost of registering the well.
2. Well owners must first apply for and utilize any other funding if available and eligible.
3. If ineligible for other funding, or funding is exhausted, well owners may apply for LPNNRD cost share program.
4. **The sample results, pre-treatment, must be 8 parts per million (mg/L) or greater for nitrate or test positive for other contaminants over the drinking water standards.**
5. The application must be approved by the LPNNRD prior to the purchase and installation of the equipment.
6. Equipment must reduce nitrate to **less than 6 parts per million (mg/L)** and be approved by the LPNNRD. For other contaminants, the equipment must reduce the level to meet drinking water standards and be approved by the LPNNRD. Cost estimate from a licensed plumber must be submitted for the installation of a water treatment system certified by the American National Standards Institute.
7. Following installation, well owners are required to conduct one follow-up sample to verify the equipment is functioning correctly and send results to LPNNRD.
8. One year after installation a follow-up sample is required along with the option of allowing NRD staff to do an inspection of the water treatment unit at the location of the cost-share site.
9. The purpose of the cost share project is to assist the citizens of the LPNNRD in having acceptable drinking water. So, the cost shared water treatment unit must stay on the site where the original cost-share was given.
10. After receiving water treatment system cost share, the domestic well is no longer eligible for the LPNNRD's water sampling cost-share program.

## DOMESTIC WELL WATER TREATMENT SYSTEM COST-SHARE PROGRAM

Purpose: *This program is intended to assist with funding the installation of a water treatment system on eligible domestic wells.*

Cost-Share: 75% of the total cost, not to exceed \$800. One time use program.

### Landowner Information

Name Jeff Anderson  
Address 1490 E. Rd S  
Town / Zip Code: Colo Ne, 68018  
Phone Number (402) 443-6886

### Installation Locations

Address: In house Section 25 167  
Town / Zip Code: Colo Ne, 68018  
(Must be within the LPNNRD District Boundary to be eligible for funding)

**Signature required:** I attest that I have read and understand the instructions given and that the above information is accurate for this cost share application. The landowner's signature is required.

Landowner Signature: [Signature]  
Signature Date: 7-21-26

### **Submit the Following for Application Review:**

One W-9 Form / One Citizen Attestation Form / One Cost-Share Application Form

### **If Approved:**

LPNNRD will distribute funds after inspections and all necessary documents are submitted.

For Use by LPNNRD ID# \_\_\_\_\_

|                     |  |                                  |  |
|---------------------|--|----------------------------------|--|
| Date Received       |  | Date Reviewed by Water Committee |  |
| All Forms submitted |  | Date Approved by NRD Board       |  |
| Date Inspected      |  | Amount Approved                  |  |



1071 County Road G  
Ithaca, NE 68033  
[www.sentinelag.tech](http://www.sentinelag.tech)

## Order Form

|                                                |                                        |                                        |                              |
|------------------------------------------------|----------------------------------------|----------------------------------------|------------------------------|
| <b>Customer: Lower Platte North NRD</b>        |                                        | <b>Primary Contact: Daryl Andersen</b> |                              |
| <b>Sentinel Account Manager: James Herrick</b> |                                        |                                        |                              |
| <b>Street Address: 1616 County Rd 17</b>       |                                        |                                        |                              |
| <b>City: Wahoo</b>                             |                                        | <b>State: NE</b>                       | <b>Zip: 68066</b>            |
| <b>Phone: 402-443-4675</b>                     |                                        | <b>E-Mail: 68066</b>                   |                              |
| <b>Order Date: 07/22/2026</b>                  | <b>Enrollment Deadline: 07/22/2027</b> |                                        | <b>Payment Terms: NET 30</b> |
| <b>Additional Terms:</b>                       |                                        |                                        |                              |

## Order Details

| Product/Service     | Quantity | Unit | Unit Price | Unit Discount | Amount (\$)       |
|---------------------|----------|------|------------|---------------|-------------------|
| Sentinel Standard   |          | ac   |            |               |                   |
| Sentinel Irrigation |          | ac   |            |               |                   |
| Sentinel Advanced   | 132      | ac   | \$13.00    |               | \$1,716.00        |
| Sentinel Complete   |          | ac   |            |               |                   |
| <b>Total</b>        |          |      |            |               | <b>\$1,716.00</b> |

This order form is pursuant to the current commercial agreement ("Agreement") between the parties and to Sentinel's Terms of Service. The customer has until the enrollment deadline to use the contracted value credited for enrollment before the value is forfeited. All terms not defined herein have the meanings set forth in the Agreement. Any appendices or schedules attached hereto are included in this order form.

### SENTINEL AG, INC.:

*James Herrick*

Signature

James Herrick

Name

VP of Customer Success

Title

7/22/2026

Date

### CUSTOMER:

Signature

Name

Title

Date



1071 County Road G  
Ithaca, NE 68033  
[www.sentinelag.tech](http://www.sentinelag.tech)

## TERMS AND CONDITIONS

### Account Credit and Enrollment

The contract amount will be treated as an account credit for acre enrollment. The Customer may enroll contracted acres from the order date through the enrollment deadline. Any unused credits remaining after the enrollment deadline are forfeited.

### Step-Up Provision

If this Order Form is for a multi-year contract, it supersedes any current single-year agreement and incorporates those acres and amounts into Year 1 of this multi-year commitment.

### True-Ups

This Order Form may be used multiple times within the same agreement year for additional orders ("true-up" orders) without impacting future commitments.

### Price Protection

Pricing specified in this Order Form is guaranteed for the quantity of acres specified above and enrolled by the enrollment deadline.

### Modification

This Order Form may only be modified by written agreement signed by authorized representatives of both parties.

### Integration

This Order Form is governed by and subject to all terms of any commercial agreement between the parties current as of the order date or Sentinel's Terms of Service. In case of conflict between this Order Form and a commercial agreement or Sentinel's Terms of Service, the commercial agreement or Terms of Service controls except for specific pricing, quantity, and delivery terms set forth herein.

### Metos USA, LLC

3239 Monier Cir #3  
Rancho Cordova, 95742, CA  
Phone +1 559-753-0490

**Date** July 14, 2026

**Quote #** Q006499

**Payment Terms:**

#### Bill To

**Account name** Lower Platte North Natural Resources District  
**Address** 511 Commercial Park Road  
**City, Prov** Wahoo, NE, 68066  
**Contact person**  
**Email**  
**Phone**

#### Ship To

**Company** Lower Platte North Natural Resources District  
**Address** Lower Platte North NRD  
**City, Prov** , ,  
**Contact person**  
**Email**  
**Phone**

| QUANTITY | PRODUCT CODE                  | PRODUCT NAME                                                                             | MSRP     | SALE PRICE | TOTAL      |
|----------|-------------------------------|------------------------------------------------------------------------------------------|----------|------------|------------|
| 66.00    | Annual Fee - ECO D3 / IMT 3.3 | Annual Fee - ECO D3 / IMT 3.3 - Data Processing, LTE Cell Service, Help Desk, API Access | \$170.00 | \$85.00    | \$5,610.00 |
| SUBTOTAL |                               |                                                                                          |          |            | \$5,610.00 |
| TOTAL    |                               |                                                                                          |          |            | \$5,610.00 |

**Order Notes:** This quote is for 6 months of annual fees, that's why it is showing the 50% discount. In June of 2027 the customer will decide if they continue for 6 more months or not.

**THANK YOU FOR YOUR BUSINESS!**

Name:

---

Signature:

---

UNITED STATES DEPARTMENT OF THE INTERIOR  
DOWN PAYMENT (BILL) REQUEST

Make Remittance Payable To: U.S. Geological Survey  
Billing Contact: Amanda Flynn, Budget Analyst Phone: 402-328-4144,  
aflynn@usgs.gov

Bill #: 90194674  
Customer: 6000000136  
Date: 07/14/2026  
Due Date: 09/12/2026

Remit Payment To: United States Geological Survey  
12201 Sunrise Valley Dr., RM 6A221, MS  
271  
Reston, VA 20192

Payer: LOWER PLATTE NORTH NRD  
P.O. BOX 126  
WAHOO NE 68066

Additional forms of payment may be accepted. Please  
email GS-A-HQ\_RMS@USGS.GOV or call  
703-648-7683 for additional information.

<https://www.pay.gov/public/form/start/33192486>

Amount of Payment: \$ \_\_\_\_\_

| Date                                                                                                                                                                                        | Description                                                                                                                                                                                                                                                                                                                                 | Qty | Unit Price |     | Amount   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|-----|----------|
|                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                             |     | Cost       | Per |          |
| 07/14/2026                                                                                                                                                                                  | The streamgages at Shell Creek near Columbus and Wahoo Creek at Ashland, as agreed to in Joint Funding Agreement 25NRJFA00170 between the US Geological Survey and the Lower Platte North NRD<br><br>JFA 25NRJFA00170<br>25NRJFA00170<br><br>Date rec'd <u>7/28/2026</u><br><br>Approved by <u>DA</u><br><br>Date approved <u>7/29/2026</u> | 1   | 4,344.00   | 1   | 4,344.00 |
| Expense acct _____ Amount Due this Bill:                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                             |     |            |     | 4,344.00 |
| Funding source _____                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                             |     |            |     |          |
| Accounting Classification:<br>Sales Order: 143669      % (amount) _____<br>Sales Office: GESE<br>Customer: 6000000136      ncome acct _____<br>Accounting #: 11685762<br><br>TIN: *****2716 |                                                                                                                                                                                                                                                                                                                                             |     |            |     |          |