



LOWER PLATTE SOUTH natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581

P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

Memorandum

Date: January 12, 2023

To: Board of Directors

From: Mike Murren Projects Coordinator *mm*

Subject: Water Resources Subcommittee meeting minutes

The Water Resources Subcommittee met on Wednesday January 11, 2023, at 5:30 pm. Members present included Susan Seacrest, Bob Andersen, Larry Ruth, Christine Lamberty, Ken Vogel, Chelsea Johnson, and Gary Hellerich. Others present were Dick Ehman, Paul Zillig, Mike Murren, Steve Herdzina and Maclane Scott all with the LPSNRD. There were three items the Subcommittee took action on and heard one report. The meeting was called to order by Director Seacrest at 5:30 p.m.

9A. Consideration of the proposed revisions to the Groundwater Rules and Regulations [Action] (Attachment)

Ehman gave an update on the public hearing regarding the revisions to our Groundwater Rules and Regulations. A summary the public hearing that was prepared by Zillig as well as all the written testimony was handed out to the subcommittee. That information is attached. There was some discussion on how long written testimony should have been accepted. It was suggested, that in future public hearing authorizations that the Board approve a deadline for accepting written testimony.

Director Hellerich raised the question as to why the landowner is responsible for the cost of the hydrogeologic analysis when applying for certain well permits. Hellerich felt that the district will use that data and therefore should pay for it. Staff reported that the cost isn't part of the proposed rule changes, but it could be discussed and considered at a future meeting. Staff was asked to put this on a future agenda for further discussion.

It was moved by Vogel, seconded by Ruth, to **recommend that the Board of Directors approve the proposed revisions to the Groundwater Rules and Regulations, and direct staff to provide public notice of the approved revisions as required by statute with the revised regulations to take effect on March 1, 2023, pending legal counsel review. Roll call vote taken, voting Aye was Seacrest, Andersen, Johnson, Lamberty, Ruth, and Vogel. Voting Nay was Hellerich.**

9B. Consideration of a request by the Village of Davey to decommission one well in their municipal well field. [Action] (Attachment)

Scott presented the request by the Village of Davey for cost share to assist them the cost to do an advanced decommissioning of one of their wells which is located within the Davey Community Water System Protection Area. It was also noted that Davey is currently in a Phase II Management area due to high nitrates. This method of Advanced decommissioning was completed on another well the village owned last Spring. The Village of Davey has reached out to AWS to perform the “advanced well decommissioning” at a cost of \$13,050.00.

It was moved by Andersen, seconded by Vogel, and unanimously approved by the subcommittee to recommend that the Board of Directors authorize the Village of Davey to be reimbursed for 100% of the cost of a standard well decommissioning, and in addition reimburse the Village for 50% of the difference in cost between a standard decommissioning and an “advanced well decommissioning”.

9C. Consideration of allocation violation in the DVB (Dwight Val Brainard) SMA (Special Management Area) [Action] (Attachment)

Steve Herdzina provided the attached memo and background information regarding a reported allocation violation by Ron Regnier who is a tenant on property owned by Regniers in the DVB SMA. Ron Regnier self-reported to the LPSNRD on September 12, 2022, that he believed he is exceeding his 9-acre-inch allocation by .03 inches. Staff investigated the case and believes a probable violation has occurred.

It was moved by Andersen, seconded by Vogel, and unanimously approved by the subcommittee to recommend that a probable violation of the Rules and Regulations has occurred, and direct staff to proceed with compliance as outlined in Section O of the Rules and Regulations.

9D. Piening Dam update

Murren reported that staff held a kickoff meeting on January 4th with Schemmer and their sub-consultant HDR.. Schemmer is working on updating the plans and HDR is starting the 404 permit process with the hope to have it ready for submission to the COE by the end of July

With no further business the meeting adjourned at 6:26pm.

Enc.

Cc: Steve Seglin

Corey Wasserburger



LOWER PLATTE SOUTH
natural resources district

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P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

Memorandum

Date: January 6, 2023
To: Water Resources Subcommittee
From: Mike Murren Projects Coordinator *MM*
Subject: Subcommittee Meeting Background Information January 11, 2023

The Water Resource Subcommittee will be meeting on Wednesday January 11, 2023, at NRD office, at 5:30 pm to review, discuss, and take action on three items. Please find the attached background information.

9A- Consideration of the proposed revisions to the Groundwater Rules and Regulations. Staff memo is attached [Action]

The District held a public hearing regarding proposed revisions to its Groundwater Rules and Regulations on Thursday, January 5, 2023 at the District office. Dick Ehrman has prepared a summary that is attached.

Staff recommended motion: The Water Resource Subcommittee recommends that the Board of Directors approve the proposed revisions to the Groundwater Rules and Regulations, and direct staff to provide public notice of the approved revisions as required by statute, with the revised regulations to take effect on March 1, 2023, pending legal counsel review.

9B. Consideration of the request by the Village of Davey to decommission one well in their municipal well field. Staff memo is attached [Action]

The LPSNRD has received a request from the village of Davey to ask for assistance to decommission one of their municipal wells. Maclane Scott will go over the attached handout to explain this request.

STAFF RECOMMENDED MOTION: The Water Resources Subcommittee recommends that the Board of Directors authorize the Village of Davey to be reimbursed for 100% of the cost of a standard well decommissioning, and in addition reimburse the Village for 50% of the difference in cost between a standard decommissioning and an “advanced well decommissioning.”

9C. Consideration of allocation violation in the DVB (Dwight Val Brainard) SMA (Special Management Area). Staff memo is attached [Action]

Steve Herdzina has provided the attached memo and background information regarding a reported allocation violation by Ron Regnier who is a tenant on property owned by Robin Regnier in the DVB SMA. Steve will be present to go over the violation with the sub-committee.

Staff recommends that the Water Resources Subcommittee determine that a probable violation of the Rules and Regulations has occurred, and direct staff to proceed with compliance as outlined in Section O of the Rules and Regulations.

Enc.

Cc: Steve Seglin

Corey Wasserburger

Deb Eagan



LOWER PLATTE SOUTH
natural resources district

TO: Water Resources Subcommittee
FROM: Dick Ehrman, Water Resources Coordinator
DATE: January 6, 2023
RE: Public Hearing on Groundwater Rules and Regulations

The District held a public hearing regarding proposed revisions to its Groundwater Rules and Regulations on Thursday, January 5, 2023 at the District office. Paul Zillig called the hearing to order at 3:00 PM. In attendance were Directors Aldridge, Hellerich, Jacobson, Andersen, Seacrest, Eagan, Ruth, Vogel, and Yoakum, as well as staff members Zillig, Potter, Ehrman, Scott, and Witthuhn. Four members of the public were present: David Barry, Harry Mulbach, Jack Nagel, and Art Althouse, all representing themselves. After introductions, Zillig announced logistics for the hearing, and then introduced Ehrman, who gave an overview of the proposed regulations and answered questions. Following the presentation, Zillig opened the hearing for public input. He first noted that the hearing had been public noticed in the Lincoln-Journal Star on December 9, 16, and 23 as required by statute. He then read into the record letters of testimony. The first two were from the NE Department of Environment and Energy and the NE Department of Natural Resources, both of which were in favor of the proposed revisions. He then read a letter from Larry Hudkins, which expressed the opinion that requirements for the various tests associated with water well permits should be paid for by the NRD rather than the applicant. Zillig then invited in-person testimony. Harry Mulbach gave testimony mainly dealing with definitions and pointing out that agriculture is not the only groundwater user in the District and encouraged the District to work with municipalities and others to promote the most efficient use of groundwater. There was no other public testimony. Zillig then noted that the record would be kept open until 4:30 PM, Friday, January 6, 2023 for written comments. There being no other testimony or questions, he then closed the public hearing at 3:58 PM.

Staff recommended motion: The Water Resources Subcommittee recommends that the Board of Directors approve the proposed revisions to the Groundwater Rules and Regulations, and direct staff to provide public notice of the approved revisions as required by statute with the revised regulations to take effect on March 1, 2023, pending legal counsel review.

Public Hearing – LPSNRD Groundwater Rules & Regulation Revisions
January 5, 2023 - 3:00 p.m.
LPSNRD, Lincoln, NE

Paul Zillig: At this point what I want to do is start the Public Hearing portion of the public hearing. It is 3:38 p.m. here on January 5, 2023. We will open the hearing now. What I need to do is review the exhibits that we have. We have the notice of publication that was in the Lincoln Journal Star on December 9th, December 16th and December 23rd of last year. We also have the exhibit that was on the table back there, the draft Rules and Regs that has all the revisions in it so we will enter that into the record. I do have some written comments, some letters from agencies and I'll go through those. If anyone here wishes to make public testimony, they can sure do it now. I'm not going to make you sit through me reading three letters, if you want to you can go now, if not, I'm going to start reading letters.

Harry Muhlbach: I have one real quick comment, there is a little bit of misunderstanding about the time limit of writing, for instance the deadline is tomorrow for written comments.

Zillig: Well, the notice in the paper was that we were giving everybody until 4:30 tomorrow to submit written comments. Typically, it would be that this is it, when we close the hearing it is done but we said we were going to keep it open until tomorrow until 4:30 so that is what we are providing. Okay, anybody want to make their testimony now, if not, I'll start in on the three letters that we received. Okay, with that, we received a letter dated yesterday, January 4th, 2023 from the State of Nebraska, Department of Environment and Energy. It's a requirement that we provide this to them and give them the opportunity to provide comments. The letter directed to us here at the Lower Platte South NRD. Those comments will be entered into the record. Zillig read the letter into the record; a copy is attached.

Zillig: We also sent the proposed changes to the State of Nebraska Department of Natural Resources, and they submitted a letter yesterday also, January 4, 2023. Zillig read the letter into the record; a copy is attached.

Zillig: We have one more that was dropped off yesterday signed by Larry Hudkins. This was January 4, 2023 to the Board of Directors concerning Groundwater Rules and Regulations. Zillig read the letter into the record; a copy is attached.

Zillig: So, those are the letters that we have received at this point, and I have read those into the record. So, we have that, I guess the one item that remains for us is if there is any additional testimony, any testimony that wants to be made today. If so, you would need to state your full name and address and declare whether you are appearing on behalf of yourself, another person, or an organization and if so, name that person or organization. So, with that does anyone want to make any comments, any testimony today and if so, come forward. If not, we will be accepting written testimony through tomorrow at 4:30. Harry, you sure can.

Harry Muhlbach:

My name is Harry Muhlbach and I farm north of Lincoln. My address is 14277 North 56th Street, Lincoln, Nebraska and I'm here just to testify because I'm a farmer and use some of this stuff and first of all I want to thank you for letting me talk to you and on this rule, I kind of got short notice of this, there's some things in here that maybe should have been changed in some of the definitions and I don't know how much you guys are looking forward to, or want more work or whatever, but, a lot of these definitions just include farms and doesn't commit, comment, include the other communities and municipalities and so, I kind of, maybe, just go through some of them and if I got the right book, I'll go through the definitions department.

On best management practices it says, it doesn't say anything in there, it kind of incinerates about all farms and stuff like but does not mention city or small towns in the Lower Platte South if they are responsible and what I'm talking about is a lot of people watering their lawns. I can drive through Lincoln in the summertime and waters running down the street. And, who's monitoring the runoff and if you talk, Lincoln is about 80, 60 square miles in area. So that people think, well I just seen a couple of yards and multiple that by thousands that are doing that, there's more water than you think that's being lost and it doesn't say anything about if your inspectors can go talk to that lawn person and say you know believe it or not, you guys are running a lot of water down the street and it's really gotten bad around the new developments where they come in and sod a new area and they run that water 24/7 for two weeks and they will run it every 30 minutes so that was there, I was concerned that you didn't mention them in that one. Um, and then when it was talking about certified acres, about being responsible for certified acres, it goes back to this city. There's 35 to 40 thousand acres under the City of Lincoln that run water and all I'm saying is that there is a point where water use needs to be checked. And I don't know if.

Contamination, back down to the definition of contamination. I'm a little bit concerned that, back to the City of Lincoln who if Lower Platte South has anything discharge into the Little Salt where the discharge, if anybody's monitoring nitrate, and, this map that is in the back shows that area for some convenient reason on page 50, I think it's 50, no, it's on page 45, and that's that, that area that's darkened, is where Salt Creek runs from Lincoln to Ashland and for 150 years, that's where Lincoln's sewage drainage has run down that area and nobody, every time I bring it up and says don't bring it up. So Lincoln's been pumping nitrate down that river for, and it's right along the boundaries where these farms are and nobody's double checked that and I don't feel that's right that should be going out there because there's areas where that, bottom of that river is on top of the water, the first surface water or the subwater and that water goes sideways into that sandy areas, but they're trying to tell the farmers sure they may be doing that, and then I appreciate us because I'm for, not for over fertilizing myself but I don't like taking the blame for somebody else. And so, on that, contamination, I really think that the large systems in the county, whatever little town it is, not necessarily picking on Lincoln, should be included in that definition as large cities and municipalities.

We kind of talked about dewatering, I was talking about the dewatering, it's not too common in our area, like where you get out into Grand Island they do it all the time just to build something, so, and we covered that.

The, in Lincoln, city, this groundwater reservoir, Lincoln has a groundwater reservoir, it's man made, over on 98th and "O" Street, to the north, on the north side with two irrigation wells that keep that viable and I don't know if the NRD had anything, and the way I understand about that, that is under kind of a, just a smaller lake, they could actually pump it dry, if some of the stuff that I've been hearing, but I wonder how, where we should stop and start on recreational fresh water, using good water rather than runoff for recreational and developer benefits, I was surprised that that was approved.

And I did talk, this insufficient important irrigation runoff that goes back to, in that one there, it should also not mention lawn watering and commercial property, these big businesses that have these fancy yards out in front of them that they're running water, you can go by there at night and it's running down the street and stuff, and, it's nice to have it, a little bit concerned this last year that Lincoln didn't have more of a moratorium on watering. The Platte River went dry in the 30s, my Grandma used to talk about it and Lincoln gets more, majority of their water out of the Platte River and that water, the river went underground for about seven years in the 30s in spots but it still made it to Ashland and then that water's being pumped back into this county just cause we can't regulate them wells, we should be little, have a little authority on regulation the use of it. It's kind of a gray area where it's crossing lines, of NRD district lines because, Paul, like Paul said, that it's probably in the Papio, what is that?

Zillig: The Island is in the Papio, yeah.

Muhlbach: Yeah, and so, we are using it over here and we need to be a little more concerned about how we use it cause, if we cut our water uses in half, it should almost increase the life expected our wells by 50%. The only thing that's gonna infect, increase it is the population growth, so, by the end of 30 years, it might only by 20%, but, there's places that Lincoln needs to cut back big time and I don't know if this NRD can help on that or not.

The perp, definition on perp, people or persons, that was good, that's a good definition.

The saltwater deals, I just question how important they are, I mean, anybody with common sense, I mean, I suppose it's nice to have them in there for lay persons, but I hope nobody's doing that, I did see a couple of domestic wells where their yards were looking like it snowed on them and they had to quit watering, but, so. I guess that's about all I have to talk about, was just wanting a little more responsibility of some people and maybe changes, add them to the definitions. Thank you.

Zillig: Okay, Harry thank you. I know, Jack you indicated possibly, anything to add today?

Jack Nagel: No, they answered most of my questions.

Zillig: Okay, thank you, okay, I guess we're still taking testimony, anybody else, want to present testimony here? I don't see a mad rush to the microphone. I'll remind you that we'll take written testimony tomorrow through 4:30, so, I've got information on how to email that to us or deliver it here, we'll be here for that, so, with that, oh yeah, okay, Harry.

Muhlbach: Are you allowing any irrigation wells in the Lower Platte South, anywhere?

Zillig: Yeah, it's, permit wise, there's just a couple of hydrogeologically connected areas that it's a little different process to go through for the Dwight-Val-Brainard area, but yes. Okay, anything else?

Nagel: How much does a variance cost?

Zillig: Well, if someone wants to do something that is not allowed in our rules and regulations they would come forward and request a variance for \$500 and the district would consider whether to approve that or not. That's the only time you get a variance. If someone wants to get a permit for an irrigation well that's a whole different story and Dick and Chris can, Dick and Maclane can answer that after the meeting. That's the variance process, it's just if someone wants to do something and it's not allowed in the rules and regulations.

Nagel: \$500

Zillig: Yeah, right.

Nagel: Lower Platte North is \$75.

Zillig: Okay

Jack: Why is that?

Dick Ehrman: Jack you mean for a permit, just to apply for a permit? Or for a variance?

Nagel: A variance.

Zillig: I can't tell you, all I can tell you is it's \$500. What? No, a lot of thought went into what to do, and obviously we're not trying to be in the variance business. I think that maybe that shows why it is \$500. Okay, with that I'll close the hearing at 3:58. Appreciate everybody coming and there again, we will talk to you later. Thank you.

LEGAL NOTICE

The Lower Platte South Natural Resources District will hold a public hearing on **Thursday, January 5, 2023 at 3:00 PM at the District headquarters**, 3125 Portia Street, Lincoln NE, for all persons wishing to testify and/or offer written materials on proposed revisions to the District's Groundwater Rules and Regulations. A general description of the contents of the rules and regulations proposed for adoption are:

- Add/revise definitions for the following terms:
 - Dewatering Well;
 - District;
 - Final Permit Application;
 - Hydrogeologic Analysis;
 - Preliminary Permit Application;
 - Test Hole;
- Specify reasons for submitting a preliminary permit application;
- Specify that any required hydrogeologic analysis for any water well permit be submitted at least 120 days prior to submittal of the final permit application;
- Clarify means by which the District may verify information submitted with a water well permit application;
- Modify requirements for Class 1, 2, 3, and 4 water well permits to account for the new Class 5 water well permit (see below);
- Create a new Class 5 water well permit category for water wells designed to pump more than 500 acre-feet of water per year and specify requirements;
- Clarify instances where the District may take action administratively and those requiring action of the Board of Directors; and
- Correct various grammatical errors.

To obtain a complete copy of the proposed revisions to the Groundwater Rules and Regulations, contact the Lower Platte South Natural Resources District at www.lpsnrd.org or 402-476-2729 or P.O. Box 83581, Lincoln, NE 68501-3581.

PLEASE PUBLISH notice once each week for three consecutive weeks, the last publication to be not less than seven days prior to the hearing.

Dick Ehrman

From: Paul Zillig
Sent: Wednesday, January 11, 2023 1:25 PM
To: Dick Ehrman; Steve Herdzina
Subject: Testimony Summary

Below are the 5 letters received and a summary of their comments concerning the proposed changes to the GW R&R.

NDNR (Nebraska Department of Natural Resources)

1. Looks ok, no changes or comments.

NDEE (Nebraska Department of Environment and Energy)

1. Recognized the benefit of adding a Class 5 well permit and clarifying hydrogeologic analysis.

The following comment concerns the well owner paying for future water testing, this is not the case and the proposed revisions does not require future water testing by the well owner.

Gary Masek, Valparaiso, NE

1. Heard he may have to pay for some water testing.
2. Feels NRD should pay for water testing as the NRD is using that information, not him.

The following comments are concerns about existing rules & regulations, nothing that is being proposed.

Larry Hudkins, Malcolm, NE

1. Thanks to NRD for work to protect soil, water and other natural resources.
2. Aware of citizen concerns and apprehensions pertaining to costly fees and surtaxes.
3. Acknowledged existing requirements for testing/study by well applicants for new Class 3 & 4 permits.
4. Believes these fees and costs should be paid by the NRD and not by farmers.

Bruce Tiedeman, Martell, NE – President Lancaster County Farm Bureau

1. Concerned about required water quality testing, 24 hr pump test, and hydrogeologic analysis for a new well, and supplying a water meter and usage reporting as future costs.
2. Believes when the NRD establishes all the R&R they in turn should shoulder the costs.

NEBRASKA

Good Life. Great Resources.

DEPT. OF ENVIRONMENT AND ENERGY

January 4th, 2023

Mr. Paul Zillig
Lower Platte South Natural Resources District
3125 Portia Street
P.O. Box 83581
Lincoln, Nebraska 68501

Re: Testimony for the January 5, 2023 Public Hearing
Lower Platte South Natural Resources Groundwater Rules and Regulations

Dear Paul:

Please consider this letter as the Nebraska Department of Environment and Energy's (NDEE) testimony for the above referenced public hearing.

The addition of a Class 5 Permit and the clarification of Hydrogeologic Analysis are tools to address quantity issues in your District and should ultimately aid you in protecting groundwater quality as well.

We reviewed your groundwater rules and regulations in their entirety including the proposed changes. We have identified areas we would like to discuss with you outside your proposed edits.

Your NRD's efforts to manage groundwater consumption and the use of agricultural chemicals is much appreciated. If you should have any questions regarding the above comments or if the Department can provide further assistance please feel free to contact David Miesbach at (402) 471-4982, david.miesbach@nebraska.gov.

Sincerely,



Laura Johnson
Division Administrator
Drinking Water & Groundwater Division
Nebraska Department of Environment and Energy

Department of Environment and Energy
P O Box 98922
Lincoln, Nebraska 68509-8922

Jim Macy, Director
office 402-471-2186 fax 402-471-2909
ndee.moreinfo@nebraska.gov

NEBRASKA

Good Life. Great Water.

DEPT. OF NATURAL RESOURCES

January 4, 2023

Paul Zillig, General Manager
Lower Platte South NRD
3125 Portia St
Lincoln, NE 68501

Re: Department Testimony for the Lower Platte South Natural Resources District's Hearing on Proposed Changes to Ground Water Rules and Regulations

Dear Paul Zillig:

This letter is intended as the official testimony of the Nebraska Department of Natural Resources (Department) for inclusion into the record of the Lower Platte South Natural Resources District's (District) January 5th public hearing on the proposed modifications to its Ground Water Rules and Regulations. This testimony is offered in accordance with *Neb. Rev. Stat. § 46-743(7)* (Reissue of 2017).

The Department has reviewed the District's proposed Rule modifications, and does not see any need for immediate action or comment. The Rules modification will improve the clarity of the District's Rules for efficient management of the natural resources in their jurisdiction.

The Department understands the District's need to develop and modify their rules for efficient management and recognizes the authorities of the District to make the necessary interpretations of the Ground Water Management and Protection Act. Moreover, the Department commends the steps that the District has taken to proactively manage groundwater resources through its Rules, IMP implementation and participation in the LPRBC.

Thank you for providing the opportunity to review the District's proposed modifications to its Groundwater Management Rules and Regulations. The Department looks forward to continuing to work with the District on these and many other important matters in the future.

Sincerely,


Thomas E. Riley, P.E., Director

Thomas E. Riley, P.E., Director

Department of Natural Resources

245 Fallbrook Blvd., Suite 201

P.O. Box 94676

Lincoln, Nebraska 68521

dnr.nebraska.gov

OFFICE 402-471-2363

FAX 402-471-2800

NeDNR Testimony LPSNRD Rules

8600 NW 112 Street
Malcolm, NE 68402

January 4 2023

TO: Lower Platte South Board of Directors
SUBJECT: Public Hearing on Ground Water Rules ad Regulations

Thank you for all you do to protect our soil, water, and our other natural resources.

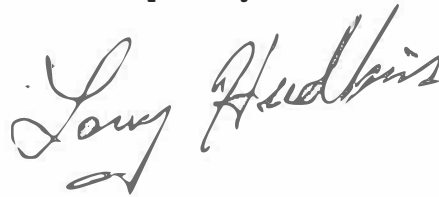
I am Larry Hudkins, a farmer and cattle producer from the Malcolm area. Carol and I have a 2000 acre operation in NW Lancaster and NE Seward Counties. I am the immediate past president of Lancaster County Farm Bureau, Past President of Lancaster-Seward Cattlemen, Lancaster County Health Department, Seward County Coop, Lincoln-Lancaster County Health Department, Lincoln – Lancaster District Energy and served as a Lancaster County Commissioner from 1987-2017. Through these associations, I am acutely aware of our citizens' concerns and apprehensions pertaining to costly fees and surtaxes.

Agriculture is facing a crisis with fertilizer prices up 300% and diesel fuel up 200% in just the past two years and general inflation is up over 7% this year. With this framework, I would like to call your attention to page 14 of the 10-11-2022 draft pertaining to Class 3 and 4 permits. Specifically that a Class 3 permit "A" requires a 24 hour, 100% capacity rate test which is already a significant cost to the farmer. In addition, you are requiring a qualified lab test on Class 4 permits (e). Class 3 and 4 permits require a licensed, professional geologist or engineer to perform and analyze these extensive and expensive hydrology tests and impact studies.

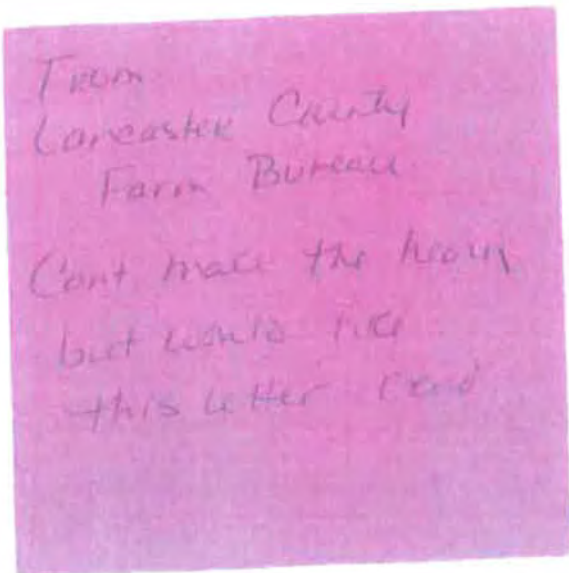
Agriculture is taxed significantly higher on a per capita basis because we are a property intensive industry and additional fees are viewed as a tax. The good work of the Lower Platte South NRD serves all of its citizens and we therefore believe that these fees should be paid by the NRD and not by farmers.

Thank you for your consideration.

Respectfully,



Larry Hudkins



From
Lancaster County
Farm Bureau
Can't make the hearing
but would like
this letter read

5 Jan 2023

TO: Lower Platte South NRD

Subject: Groundwater Rules & Regulations (Proposed)
Comments:

I feel with the requirements of water quality testing, a 24-hr. pumping test and a hydrogeologic analysis for a irrigation well on top of a water meter and usage reporting already required the fees should not be the responsibility of the landowner. When the NRD establishes all the rules and regulations they in turn should shoulder the costs.

Strong concerns,
with my regards,

Bruce D. Tiedeman
President Lancaster County Farm Bureau

Tiedeman Ag Services
1333 Olive Creek Rd.
Martell NE 68404

SAN JUAN PR 009

7 JAN 2023 PM 1 L



Lower Platte South NRD

Gary Mashek
354 County Road 28
Valparaiso, NE 68085



First Northeast
BANK OF NEBRASKA

Lower Platte South

RECEIVED
1/9/2023

Steve

I talked to my neighbor Cory Hellerich and he informed me that I may have to pay for some water testing. I feel that the water testing should be paid for by the NRD because you are using the information not me!!

Gary Mashek

fnb-ne.com

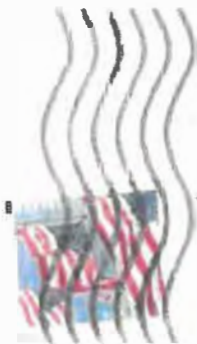
*Lower Platte South
3125 Portia Street
P.O. Box 83581
Lincoln Ne 68501-3581*

68501-3581 81



5 JAN 2023 PM 2 L

OMAHA NE 680



DRAFT 12/2022



LOWER PLATTE SOUTH
natural resources district

GROUNDWATER RULES & REGULATIONS

Revised Effective Date:

XXXX, 2023

DRAFT 12/2022

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DRAFT 12/2022

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LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT
RULES AND REGULATIONS FOR
THE NEBRASKA GROUNDWATER MANAGEMENT AND
PROTECTION ACT

REVISED EFFECTIVE DATE: January 15, 2020

Authority – The following rules and regulations are adopted pursuant to the Nebraska Groundwater Management and Protection Act (the “Act”) *Neb. Rev. Stat.* §§46-701 to 46-754.

Purpose – The purpose of the rules and regulations is to implement the Lower Platte South Natural Resources District’s Groundwater Management Plan, to develop procedures for the implementation of management practices, to conserve and protect groundwater supplies, to prevent the contamination or inefficient or improper use of groundwater, and to prevent and resolve conflicts between users of groundwater and appropriators of surface water which are hydrologically connected. The District acknowledges the Nebraska preference statute, *Neb. Rev. Stat.* §46-613, which grants preference in the use of groundwater, first for domestic purposes, second for agricultural purposes, and last for manufacturing or industrial purposes.

Section A **Definitions**

Rule 1 Definitions
For purposes of implementation of these regulations under the Nebraska Groundwater Management and Protection Act, unless the context otherwise requires:

Acre-Inch shall mean the volume of water that would cover an area of one (1) acre to a depth of one (1) inch; one-twelfth of an acre-foot; equivalent to 3,630 cubic feet or 27,154 gallons.

Alleged Violator shall mean any person who is charged with failure to comply with any of these rules and regulations.

Allocation as it relates to water use for irrigation purposes shall mean the allotment of a specified total number of acre-inches of irrigation water per irrigated acre per year or an average number of acre-inches of irrigation water per irrigated acre over a reasonable period of time.

Annual Allocation is the amount of allocation for one (1) calendar year.

Aquifer Test shall mean the design, implementation, and analysis of a test by a licensed professional geologist or engineer according to standard procedures to determine the hydraulic conductivity, storativity, and other appropriate properties of an aquifer.

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Best Management Practices (BMPs) shall mean schedules of activities, maintenance procedures, and other management practices utilized to prevent or reduce present and future contamination and/or depletion of groundwater which may include soil testing, water testing, irrigation scheduling, proper timing of fertilizer and pesticide application, chemigation techniques, crop rotation, residue management, contaminant source inventories, land treatment, irrigation surge valves, pivot conversions, water return lines, reuse systems, water use efficiency techniques, and other management programs and practices as the Board of Directors may adopt from time to time.

Board or Board of Directors shall mean the Board of Directors of the Lower Platte South Natural Resources District.

Certified Irrigated Acres shall mean the number of acres or portion of an acre that the District has approved for irrigation from groundwater in accordance with law and with rules adopted by the District.

Complainant shall mean any person who files a complaint alleging a violation of these rules and regulations.

Community Water System Protection Area shall mean the area of land designated by the Nebraska Department of Environmental Quality that delineates the 20 year time of travel for groundwater to be intercepted by a political subdivision that has 15 or more connections to its water system's well or wells and serves 25 or more year round residents.

Contaminant, Contamination or Contamination of Groundwater shall mean nitrate nitrogen or other material which enters the groundwater due to any action of any person and causes degradation of the quality of groundwater sufficient to make such groundwater unsuitable for present or reasonably foreseeable beneficial uses.

De Minimis shall mean surface runoff of groundwater used for irrigation which causes either no damage or nominal damage to another person's land, -crops, buildings, or personal property.

Dewatering Well shall mean a water well constructed for the purpose of lowering the groundwater surface elevation, either temporarily or permanently.

District shall mean the Lower Platte South Natural Resources District. For the purposes of these Rules and Regulations, the General Manager shall be authorized to act on behalf any references to actions taken by of the District shall mean the General Manager acting under authorization by the Board of Directors, unless any a rule or regulation specifically such actions are specified to requires action by the Board of Directors.

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District Compliance Officer shall mean an employee of the District authorized to perform the functions assigned by these rules and regulations.

Domestic Well shall mean a water well pumping groundwater for human needs as it relates to health, fire control, sanitation, and water for domestic livestock and plants.

Final Permit Application shall mean a water well permit submitted after all information is supplied and appropriate fees paid, after all required analyses are completed, and after all required reports are presented. Such a permit application may require approval by the Board of Directors.

Good Cause Shown shall mean a reasonable justification for granting a variance for a consumptive use of water that would otherwise be prohibited by rule or regulation and which the granting agency, District, or organization reasonably and in good faith believes will provide an economic, environmental, social, or public health and safety benefit that is equal to or greater than the benefit resulting from the rule or regulation from which a variance is sought.

Gravity Irrigation shall mean a method of applying water to plants by letting water flow by gravity from a higher elevation and distributed to the plants at a lower elevation by flooding or furrows.

Groundwater shall mean that water which occurs in or moves, seeps, filters, or percolates through ground under the surface of the land, and shall include groundwater which becomes commingled with waters from surface sources.

Groundwater Reservoir shall mean a designated area of land under which a major aquifer is known to exist and which has been delineated by the District, based on readily identifiable physical boundaries on the land surface, to generally coincide with the boundaries of the aquifer and to be the basis for specific rules and regulations pertaining to groundwater as stated in these rules and regulations.

Hydrogeologic Analysis shall mean an analysis of the conditions near the proposed water well site and the impact of the proposed water well. A hydrogeologic analysis shall include, at a minimum, consideration of aquifer boundaries, existing water uses that may be impacted by the proposed water well, and other factors appropriate to the hydrogeologic setting of the proposed water well site. ~~the investigation required to apply for a water well permit in the District. Analysis must include consideration of aquifer boundaries, existing water uses, and other factors appropriate to the hydrogeologic setting of the site.~~ The District shall develop guidelines for preparing hydrogeologic analysis reports.

Illegal Water Well shall mean:

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- (a) any water well operated or constructed without or in violation of a permit required by the Nebraska Ground Water Management and Protection Act;
- (b) any water well not in compliance with rules and regulations adopted and promulgated pursuant to the Act;
- (c) any water well not properly registered in accordance with *Neb. Rev. Stat.* §§46-602 to 46-604; or
- (d) any water well not in compliance with any other applicable laws of the State of Nebraska or with rules and regulations adopted and promulgated pursuant to such laws.

Inefficient or Improper Irrigation Runoff shall mean water derived from groundwater used for irrigation that moves off of the land that is being irrigated onto another person's land, lake, stream, or river either as surface flow or as spray that accumulates to create surface flow, unless it is *De Minimis* or agreed to pursuant to these rules and regulations.

Investigator shall mean an employee or agent of the District authorized to perform functions assigned thereto by these rules and regulations.

Irrigation Well shall mean a water well pumping groundwater to apply to plants on two (2) or more acres of land.

Irrigation Runoff Water shall mean groundwater used for irrigation purposes which escapes from land owned, leased, or otherwise under the direct supervision and control of a person.

Large Capacity Well shall mean a well designed and constructed to pump more than 50 gallons per minute in a groundwater reservoir and more than 20 gallons per minute in the remaining area, except for domestic only wells of between 20 and 50 gallons per minute.

Landowner shall mean any person who owns or has a contract to purchase land.

Non-point Source Pollution shall mean contamination from diffuse sources where no one point of release can be identified and/or sources not identified as point source pollution.

Operator shall mean that person who has the most direct control over the day-to-day operations of the land in question.

Person shall mean a natural person, a partnership, a limited liability company an association, a corporation, a municipality, an irrigation District, an agency or a political subdivision of the State of Nebraska or a department, an agency, or a bureau of the United States.

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Pollution shall mean the process of contaminating air, water, or land with impurities to a level that is undesirable.

Point Source Pollution shall mean any discernible, confined, and discrete conveyance, including but not limited to, any pipe, channel, tunnel, conduit, well, discrete fissure, container, rolling stone, vessel, other floating craft, or other conveyance, over which the Department of Environmental Quality has regulatory authority and from which a substance which can cause or contribute to contamination of groundwater is or may be discharged.

Preliminary Permit Application shall mean a water well permit application submitted prior to conducting required analyses and before reports are presented. Such a permit application shall require the approval of the District General Manager prior to proceeding with well construction.

Pump Test shall mean the pumping of a well for a specified period of time at a specified pumping rate for the purpose of collecting water quality samples.

Remaining Area shall mean all lands outside of the boundaries of a Groundwater Reservoir

Rolling Allocation shall mean the amount of allocation for a three (3) year period, consisting of the previous two (2) calendar years and the current calendar year.

Salt Water shall mean groundwater pumped from a well containing total dissolved solids in concentrations more than 2500 parts per million.

Salt Water Intrusion shall mean the physical movement of groundwater into a well which either 1) the concentration of total dissolved solids equals or exceeds 2500 parts per million into areas of an aquifer in which the total dissolved solids previously was less than 1000 parts per million due to the pumping of groundwater; or 2) the concentration of total dissolved solids equals or exceeds 5000 parts per million into areas of an aquifer in which the total dissolved solids previously was less than 2500 parts per million due to the pumping of groundwater; or 3) the concentration of total dissolved solids equals or exceeds 10,000 parts per million into areas of an aquifer in which the total dissolved solids previously was less than 5000 parts per million due to the pumping of groundwater.

Salt Water Well shall mean a water well drilled and constructed such that it produces salt water.

Sprinkler Irrigation shall mean a method of applying water to plants by pipelines which carry water under pressure and distributed to the plants from overhead.

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Test Hole shall mean a hole or excavation designed to obtain information on hydrogeologic conditions.

Variance shall mean (a) an approval to deviate from a restriction imposed under subsection (1), (2), (8), or (9) of *Neb. Rev. Stat.* §46-714 or (b) the approval to act in a manner contrary to existing rules or regulations from a governing body whose rule or regulation is otherwise applicable.

Water Well shall mean any excavation that is drilled, cored, bored, washed, driven, dug, jetted, or otherwise constructed for the purpose of exploring for groundwater, monitoring groundwater, utilizing the geothermal properties of the ground, obtaining hydrogeologic information, or extracting water from or injecting water into the underground reservoir. Water well shall not include any excavation made for obtaining or prospecting for oil or natural gas or for inserting media to repressure oil or natural gas bearing formations regulated by the Nebraska Oil and Gas Conservation Commission.

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Section B Groundwater Management Area

Rule 1 Management Options and Means Authorized

- (a) The ~~District~~**Board of Directors** hereby establishes a Groundwater Management Area which includes the entire geographic area within the boundaries of the District. The ~~District~~**Board of Directors** may, by order and following a hearing held in accordance with *Neb. Rev. Stat.* §46-712, manage the use of water in the management area for water quantity or water quality purposes or both by any of the following means, as provided in *Neb. Rev. Stat.* §46-739:
- (i) Allocate the amount of groundwater that may be withdrawn by groundwater users;
 - (ii) Adopt a system of rotation for use of groundwater;
 - (iii) Adopt well-spacing requirements more restrictive than those found in *Neb. Rev. Stat.* §§46- 609 and 46-651;
 - (iv) Require the installation of devices for measuring groundwater withdrawals from wells;
 - (v) Adopt a system which requires a reduction of irrigated acres pursuant to subsection (2) of *Neb. Rev. Stat.* §46-740;
 - (vi) Limit or prevent the expansion of irrigated acres or otherwise limit or prevent increases in the consumptive use of groundwater withdrawals from water wells used for irrigation or other beneficial purposes;
 - (vii) ~~It may~~**Require** the use of best management practices;
 - (viii) ~~It may~~**Require** the analysis of water or deep soils for fertilizer and chemical content;
 - (ix) ~~It may~~**impose** mandatory educational requirements designed to protect water quality or stabilize or reduce the incidence of groundwater depletion, conflicts between groundwater users and surface water appropriators, disputes over interstate compacts or decrees, or difficulties fulfilling the provisions of other formal state contracts or agreements;
 - (x) ~~It may~~**Require** water quality monitoring and reporting of results to the District for all water wells within all or part of the management area;
 - (xi) ~~It may~~**Require** ~~District~~**Board of Directors** approval of:
 - (A) Transfers of groundwater off the land where the water is withdrawn; or
 - (B) Transfers of rights to use groundwater that result from District allocations imposed pursuant to subdivision 1(a) of this section or from other restrictions on use that are imposed by the District in accordance with this section. Such approval may be required whether the transfer is within the management area, from inside to outside the management area, or from outside to inside the management area, except that transfers for which permits

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have been obtained from the Department of Natural Resources prior to July 16, 2004, or pursuant to the Municipal and Rural Domestic Ground ~~W~~ater Transfers Permit Act shall not be subject to District approval pursuant to this subdivision. The ~~District~~Board of Directors may adopt rules and regulations pursuant to this subdivision that shall require that the District deny or condition the approval of any such transfer when and to the extent such action is necessary to:

- (A) Ensure the consistency of the transfer with the purpose or purposes for which the management area was designated;
 - (B) Prevent adverse effects on other groundwater users or on surface water appropriators;
 - (C) Prevent adverse effects on the state's ability to comply with an interstate compact or decree or to fulfill the provisions of any other formal state contract or agreement; and
 - (D) Otherwise protect the public interest and prevent detriment to the public welfare.
- (xii) ~~It may r~~Require, when conditions so permit, that new or replacement water wells to be used for domestic or other purposes shall be constructed to such a depth that they are less likely to be affected by seasonal water level declines caused ~~d~~ by other water wells in the same area;
- (xiii) ~~It may e~~Close all or a portion of the management area to the issuance of additional permits or may condition the issuance of additional permits on compliance with other rules and regulations adopted and promulgated by the District to achieve the purpose or purposes for which the management area was designated; and
- (xiv) ~~It may a~~Adopt and promulgate such other reasonable rules and regulations as are necessary to carry out the purpose for which a management area was designated.
- (b) In adopting, amending, or repealing any control authorized by subsection (1) of *Neb. Rev. Stat.* §46-739, §46-740 or §46-741, the District's considerations shall include, but not be limited to, whether it reasonably appears that such action will mitigate or eliminate the condition which led to designation of the management area or will improve the administration of the area.
- (c) Upon request by the District or when any of the controls being proposed are for the purpose of integrated management of hydrologically connected groundwater and surface water, the Director of Natural Resources shall review and comment on the adoption, amendment, or repeal of any authorized control in a management area. The director may hold a public hearing to consider testimony regarding the control prior to commenting

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on the adoption, amendment, or repeal of the control. The director shall consult with the District and fix a time, place, and date for such hearing. In reviewing and commenting on an authorized control in a management area, the director's considerations shall include, but not be limited to, those enumerated in subsection (b) of this section.

- (d) If because of varying groundwater uses, varying surface water uses, different irrigation distribution systems, or varying climatic, hydrologic, geologic, or soil conditions existing within a management area, the uniform application throughout such area of one or more controls would fail to carry out the intent of the Nebraska Ground Water Management and Protection Act in a reasonably effective and equitable manner, the controls adopted by the District pursuant to *Neb. Rev. Stat. §46-739* may contain different provisions for different categories of groundwater use or portions of the management area which differ from each other because of varying climatic, hydrologic, geologic, or soil conditions. Any differences in such provisions shall recognize and be directed toward such varying groundwater uses or varying conditions. Except as otherwise provided in this section, if the District adopts different controls for different categories of groundwater use, those controls shall be consistent with *Neb. Rev. Stat. §46-613* and shall, for each such category, be uniform for all portions of the area which have substantially similar climate, hydrologic, geologic, and soil conditions.
- (e) The District may establish different water allocations for different irrigation distribution systems.
- (f) The District may establish different provisions for different hydrologic relationships between groundwater and surface water:
 - (i) For management areas for which a purpose is the integrated management of hydrologically connected groundwater and surface water, the District may establish different provisions for water wells either permitted or constructed before the designation of a management area for integrated management of hydrologically connected groundwater and surface water and for water wells either permitted or constructed on or after the designation date or any other later date or dates established by the District. Permits for construction of new wells not completed by the date of the determination of fully appropriated shall be subject to any conditions imposed by the District; and
 - (ii) For a management area in a basin or part of a basin that is or was the subject of litigation over an interstate water compact or decree in which the State of Nebraska is a named defendant, the District may establish different provisions for restriction of water wells constructed after January 1, 2001, if such litigation was commenced before or on May 22, 2001. If such litigation is commenced after May 22, 2001, the District may establish different provisions for restriction of water wells constructed after the date on which such litigation is commenced in federal court.

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An appeal from a decision of the District under this subdivision shall be in accordance with the hearing procedures established in the Nebraska ~~Groundwater~~-Ground Water Management and Protection Act.

- (g) Except as otherwise authorized by law, the District shall make a replacement water well as defined in *Neb. Rev. Stat. §46-602*, or as further defined in District rules and regulations, subject to the same provisions as the water well it replaces.
- (h) If the District has included controls delineated in subdivision (1)(m) of *Neb. Rev. Stat. §46-739* in its management plan, but has not implemented such controls within two years after the initial public hearing on the controls, the District shall hold a public hearing, as provided in *Neb. Rev. Stat. §46-712*, regarding the controls before implementing them.
- (i) In addition to the controls listed in subsection (1) of *Neb. Rev. Stat. §46-739*, the District may also adopt and implement one or more of the following measures if it determines that any such measures would help the District and water users achieve the goals and objectives of the management area. It may sponsor non-mandatory educational programs and it may establish and implement financial or other incentive programs. As a condition for participation in an incentive program, the District may require water users or landowners to enter into and perform such agreements or covenants concerning the use of land or water as are necessary to produce the benefits for which the incentive program is established.

Rule 2 Designated Areas of Management

- (a) The District hereby establishes the following as designated areas of management (see maps in Appendix A):
 - (i) Crete-Princeton-Adams Groundwater Reservoir;
 - (ii) Dwight-Valparaiso Groundwater Reservoir;
 - (iii) Lower Salt Creek Groundwater Reservoir;
 - (iv) Missouri River Groundwater Reservoir;
 - (v) Platte River Groundwater Reservoir;
 - (vi) Remaining Area; and
 - (vii) Community Water System Protection Areas.

Rule 3 Remaining Area

- (a) Due to the hydrogeology of the Remaining Area, the District hereby recognizes the need to manage groundwater declines, conflicts between users and salt water intrusion and may require well permits on all new and replacement wells in the remaining area designed and constructed to pump greater than 20 gallons per minute, except for domestic wells that pump 50 gallons per minute or less.

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Section C Water Well Permits

Rule 1 Water Well Permits

- (a) Any person who intends to construct any new or replacement water well on land which he or she owns or controls that falls within the following categories shall, before commencing construction, apply to the District for a permit on forms provided by the District, and receive approval from the District:
- (i) Any well designed and constructed or modified to pump more than 50 gallons per minute;
 - (ii) Any well in the Remaining Area designed and constructed or modified to pump more than 20 gallons per minute except for domestic wells and wells used to water range livestock that pump 50 gallons per minute or less;
 - (iii) Any well in (i) and (ii) above that is designed and constructed to pump salt water for a beneficial use;
 - (iv) Any wells commingled, combined, clustered, or joined with any other water well or wells and such wells shall be considered one water well and the combined capacity shall be used as the rated capacity;
 - (v) Except that no permit shall be required for test holes or dewatering wells with an intended use of ninety (90) days or less;
 - (vi) Permit application forms are available at the office of the District, 3125 Portia Street, at Lincoln, Lancaster County, Nebraska, or shall be available at such office or at such other office or offices as from time to time the Board of Directors shall designate;
 - (vii) The application shall contain:
 - (A) The name and post office address of the applicant or applicants;
 - (B) The nature of the proposed use;
 - (C) The intended location of the proposed water well or other means of obtaining groundwater;
 - (D) The intended size, type and description of the proposed water well and the estimated depth, if known;
 - (E) The estimated capacity in gallons per minute
 - (F) The estimated annual water usage in acre feet per year;
 - (G) The acreage and location by legal description of the land involved if the water is to be used for irrigation purposes;
 - (H) A description of the proposed use if other than for irrigation purposes;
 - (I) The registration number of the water well being replaced if applicable; and
 - (J) Such additional information as the District deems necessary or desirable.

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- ~~(viii)~~ Prior to submitting a final permit application, the applicant shall submit an application for a preliminary permit application, so as to allow the applicant to conduct the tests and analyses required for such wells.
- ~~(ix)~~ For any permit that requires a hydrogeologic analysis report, such report shall be submitted to the District at least one hundred twenty (120) days prior to the submittal of a final permit application.
- ~~(viii)~~ The District shall review ~~such~~any application and issue or deny the permit within thirty (30) days after a complete and properly prepared application is filed; and
- ~~(ix)~~ If the District finds that ~~the~~an application is incomplete or improperly prepared, it shall return the application for correction. If the correction is not made within sixty (60) days, or an extension is not granted, the application shall be cancelled. All permits shall be issued with or without conditions attached or denied not later than thirty (30) days after receipt by the District of a complete and properly prepared application. A permit issued shall specify all regulations and controls adopted by the District relevant to the construction or utilization of the proposed water well. No refund of any application fees shall be made regardless of whether the permit is issued, canceled, or denied. The District shall transmit one copy of each permit issued to the Director of the Department of Natural Resources.

Rule 2

Classes of Well Permits and Required Hydrogeologic and Water Quality Information

- (a) Any person who proposes to construct a well requiring a permit shall be required to provide certain hydrogeologic and water quality ~~information reports~~ before a final water well permit may be approved, as is provided below. The District may verify the information contained within such reports by whichever methods it deems necessary, including but not limited to reviewing the reports, consulting with a third-party to review the reports, and commissioning its own independent hydrogeologic and water quality analyses. The District shall provide guidelines for required reports which shall be submitted to the District with each permit application.
- (b) Class 1 Permit:

 - (i) Applies to any proposed well to be located in a Groundwater Reservoir, that is designed to pump more than 50 gallons per minute, ~~and but~~ less than 1000 gallons per minute, ~~and or~~ pump less than 250 acre-feet of water per year;

 - (A) The requirements for a Class 1 permit shall be as follows and shall be included with the application:

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- (1) Water quality samples to be collected at the end of a 24-hour pump test. Any well must be pumped at 100% of its designed rate. The samples shall be submitted to a qualified laboratory for an analysis of sodium, chloride and total dissolved solids.
- (c) Class 2 Permit:
- (i) Applies to any proposed well to be located in a Groundwater Reservoir designed and constructed to pump 1000 gallons per minute or more, or pump 250 acre-feet ~~to 500 acre-feet or more of~~ water per year;
 - (A) The requirements for a Class 2 permit shall be as follows and shall be included with the application:
 - (1) A copy of the well log to determine geologic formations ~~present~~;
 - (2) An accurate static water level measurement to estimate saturated thickness of the aquifer;
 - (3) An aquifer test including all necessary ~~pumping~~, drawdown, and ~~recovery pumping~~ data as required by the District. The aquifer test ~~shall be performed over a minimum 24-hour period. and~~ must be designed and supervised by a licensed professional geologist or engineer with experience in such analysis;
 - (4) Water quality samples to be collected at the end of a 24-hour pump test. Any well must be pumped at 100% of its designed rate ~~for the duration of the pump test~~. The samples shall be submitted to a qualified laboratory for analysis of sodium, chloride and total dissolved solids; and
 - (5) A hydrogeologic analysis report considering the impact of the proposed withdrawal on current groundwater users and a minimum twenty (20) year impact on the aquifer for potential future users shall be submitted by the Applicant. The report must be prepared by a licensed professional geologist or engineer with experience in such analysis.
- (d) Class 3 Permit:
- (i) Applies to any proposed well located in the Remaining Area designed and constructed to pump more than 20 gallons per minute, ~~and but~~ less than 250 gallons per minute, ~~or and use pump~~ less than 25 acre-feet of water per year, except a domestic well that pumps 50 gallons per minute or less is not required to obtain a permit;
 - (A) The requirements for a Class 3 permit shall be as follows:
 - (1) Water quality samples to be collected at the end of a 24-hour pump test. Any well must be pumped at

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100% of its designed rate for the duration of the pump test. The samples shall be submitted to a qualified laboratory for analysis of sodium, chloride and total dissolved solids.

(e) Class 4 Permit:

(i) Applies to any proposed well in the Remaining Area designed to pump 250 gallons per minute or more, or pump 25 acre-feet to 500 acre-feet or more of water per year;

(A) The requirements for a Class 4 permit shall be as follows:

- (1) A copy of the well log to determine geologic formations present;
- (2) An accurate static water level measurement to estimate saturated thickness of the aquifer;
- (3) An aquifer test including all necessary pumping, drawdown, and recovery pumping data as required by the District. The aquifer test shall be performed over a minimum 24-hour period, and must be designed and supervised by a licensed professional geologist or engineer with experience in such analysis;
- (4) Water quality samples to be collected at the end of a 24-hour pump test. Any well must be pumped at 100% of its designed rate for the duration of the pump test. The samples shall be submitted to a qualified laboratory for analysis of sodium, chloride and total dissolved solids; and
- (5) A hydrogeologic analysis report considering the impact of the proposed withdrawal on current groundwater users and a minimum twenty (20) year impact on the aquifer for potential future users shall be submitted by the Applicant. The report must be prepared by a licensed professional geologist or engineer with experience in such analysis.

(f) Class 5 Permit:

(i) Applies to any proposed well located anywhere in the District designed and constructed to pump more 500 acre-feet of water per year.

(A) The requirements for a Class 5 permit shall be as follows and shall be included with the application:

- (1) A copy of the well log to determine geologic formations present;
- (2) An accurate static water level measurement to estimate saturated thickness of the aquifer;
- (3) An aquifer test including all necessary pumping, drawdown, and recovery data as

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- required by the District. The aquifer test shall be performed over a minimum 72-hour period, and must be designed and supervised by a licensed professional geologist or engineer with experience in such analysis;
- (4) Water quality samples to be collected at the end of a 24-hour pump test. Any well must be pumped at 100% of its designed rate for the duration of the pump test.
 - (5) A hydrogeologic analysis report considering the impact of the proposed withdrawal on current groundwater users and a minimum twenty (20) year impact on the aquifer for potential future users shall be submitted by the Applicant. The report must be prepared by a licensed professional geologist or engineer with experience in such analysis.
 - (6) The applicant shall contact owners of all adjoining land informing them of the permit application, and shall submit evidence of this contact.
 - (7) All applications for a Class 5 water well permit shall be presented to the Board of Directors for approval or denial.
- (f) ~~Water Well~~ ~~Permit~~ Permit:
- (i) A salt water well permit shall be required if an Applicant desires to pump salt water from any proposed well for a beneficial use. The Applicant is required to demonstrate that groundwater withdrawals from the proposed well will not cause salt water intrusion. The requirements for a Class 1, 2, 3, ~~or 4, or 5~~ well permit, stated above, shall apply to any salt water well permit.
 - (ii) The requirements for salt water well permits ~~applies~~ apply to all ~~permit~~ permit-sized wells described ~~above, including in~~ Class 1, 2, 3, ~~and, 4, or 5~~ well permits ~~above~~, in which either:
 - (A) The total dissolved solids of the water quality sample taken at the end of a 24-hour pump test are 2500 parts per million or more and the intended use of the water is for a beneficial use; or
 - (B) The intended use of the well is to pump salt water from an aquifer that is expected to contain salt water under ambient conditions. In this case, the Applicant may choose to fulfill the requirements below during the 24-hour pump test as required for the appropriate Class 1, 2, 3, or 4 permit.
 - (iii) The requirements for a salt water well permit shall be as follows:

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- (A) The applicant must collect water quality samples at various times during a 24-hour pumping test at 100% of proposed pumping rate. The samples shall be submitted to a qualified laboratory for analysis of sodium, chloride and total dissolved solids. One sample each shall be collected:
 - (1) within 15 minutes after the start of pumping;
 - (2) within 15 minutes of the half-way point between the beginning and end of the pump test. Typically this will be 12 hours after the start of pumping; and
 - (3) within 15 minutes prior to the end of pumping.

Rule 3

Granting, Denying or Cancelling a Water Well Permit in a Groundwater Reservoir

- (a) An application for a permit or late permit for any water well in a Groundwater Reservoir shall be granted unless the District finds any of the following conditions:
 - (i) The location or operation of the proposed water well or other work would conflict with any regulations or controls adopted by the District or of other applicable laws of the State of Nebraska;
 - (ii) The proposed use would not be a beneficial use of water for domestic, agricultural, manufacturing, or industrial purposes;
 - (iii) The applicant refuses to cooperate with the District in groundwater monitoring activities;
 - (iv) An applicant refuses to equip the well with a water well flow meter;
 - (v) In the case of a late permit only, that the applicant did not act in good faith by failing to obtain a timely permit;
 - (vi) For a Class 1 Permit:
 - (A) The total dissolved solids from a water quality sample taken at the end of a 24-hour pump test are 2500 parts per million or more, and an applicant does not choose to apply for a salt water well permit.
 - (B) An applicant shall have the option to apply for a salt water well permit prior to denial of the permit.
 - (vii) For a Class 2 Permit:
 - ~~(A)~~ ~~(A)~~ ~~The~~ (A) hydrogeologic analysis indicates potential short-term or long-term detrimental effect(s) to the aquifer;
 - ~~(B)~~ ~~-and/or if t~~ (B) The drawdown, as determined by an aquifer test, would adversely affect a nearby well with a higher preference of use; ~~and/or~~
 - (BC) The total dissolved solids from a water quality sample taken at the end of a 24-hour pump test are 2500 parts per million or more, and the applicant does not choose to apply for a salt water well permit.

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~~(E)~~ — An applicant shall have the option to apply for a salt water well permit prior to denial of the permit.

~~(viii)~~ For a Class 5 Permit:

~~(A)~~ A hydrogeologic analysis indicates potential short-term or long-term detrimental effect(s) to the aquifer system;

~~(B)~~ The drawdown, as determined by an aquifer test, would adversely affect a nearby well with a higher preference of use; or

~~(C)~~ The total dissolved solids from a water quality sample taken at the end of a 24-hour pump test are 2500 parts per million or more, and the applicant does not choose to apply for a salt water permit. An applicant shall have the option to apply for a salt water well permit prior to denial of the permit application.

~~(viii)~~ For a Salt Water Well Permit:

(A) The water quality samples indicate the potential for salt water intrusion.

Rule 4

Granting, Denying or Cancelling a Water Well Permit in the Remaining Area

- (a) An application for a permit or late permit for a water well in the Remaining Area shall be granted unless the District finds any of the following conditions:
- (i) The location or operation of the proposed water well or other work would conflict with any regulations or controls adopted by the District or of other applicable laws of the State of Nebraska;
 - (ii) The proposed use would not be a beneficial use of water for domestic, agricultural, manufacturing, or industrial purposes;
 - (iii) An applicant refuses to cooperate with the District in groundwater monitoring activities;
 - (iv) An applicant refuses to equip the well with a water well flow meter;
 - (v) In the case of a late permit only, that the applicant did not act in good faith by failing to obtain a timely permit;
 - (vi) For a Class 3 Permit:
 - (A) The total dissolved solids from a water quality sample taken at the end of a 24-hour pump test are 2500 parts per million or more, and the applicant does not choose to apply for a salt water well permit.
 - (B) An applicant shall have the option to apply for a salt water well permit prior to denial of the permit.
 - (vii) For a Class 4 Permit:
 - (A) The total dissolved solids from a water quality sample taken at the end of a 24-hour pump test are 2500 parts per million or more, and the applicant does not choose to apply for a salt water well permit.

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- (B) An applicant shall have the option to apply for a salt water well permit prior to denial of the permit.
 - (C) ~~The~~A hydrogeologic analysis indicates potential short or long-term detrimental effects to the aquifer and/or if the drawdown as determined by an aquifer test would adversely affect a nearby well with higher preference of use.
- (viii) For a Salt Water Well Permit:
- (A) The water quality samples indicate the potential for salt water intrusion.

Rule 5 Water Well Permit Fees and Required Information

- (a) The application shall be accompanied by a fifty dollar (\$50.00) filing fee payable to the District.
- (b) Any person who has failed or in the future fails to obtain a permit required by Rule 1 shall make application for a late permit on forms provided by the District and the application shall be accompanied by a two hundred fifty dollar (\$250.00) fee payable to the District, and shall contain the same information required in Rules 1 and 2.

Rule 6 No Right to Violate

- (a) The issuance by the District of a permit pursuant to *Neb. Rev. Stat. §46-736* or registration of a water well by the Director of the Department of Natural Resources pursuant to *Neb. Rev. Stat. §46-602* shall not vest in any person the right to violate any District rule, regulation, or control in effect on the date of issuance of the permit or the registration of the water well or violate any rule, regulation, or control properly adopted after such date.

Rule 7 Groundwater Monitoring

- (a) All applicants for a water well permit shall, as a condition of the permit, agree to cooperate with the District, at its request, in groundwater monitoring activities to include water level measurements and water quality sampling.

Rule 8 Water Well Commence Construction and One-Year Completion

- (a) When any permit is approved pursuant to *Neb. Rev. Stat. §46-736* the applicant shall commence construction as soon as possible after the date of approval and shall complete the construction and equip the water well prior to the date specified in the conditions of approval, which date shall not be more than one year after the date of approval, unless it is clearly demonstrated in the application that one year is an insufficient period of time for such construction. If the applicant fails to complete the project under the terms of the permit, the District may cancel the permit. If the permit is cancelled, the applicant may apply for a new permit in accordance with these rules and regulations.

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- Rule 9 Replacement Water Well Permits
- (a) The permit for a replacement water well of any Class may be granted by the District without the hydrogeologic analysis and/or water quality sampling results if the replacement water well:
 - (i) is located within 150 feet of the well to be replaced, as long as such location does not violate existing well spacing requirements;
 - (ii) is drilled to a depth similar to and is screened over an interval similar to the well being replaced;
 - (iii) is constructed and equipped such that the yield of the replacement well does not exceed the ~~most current records of the yield~~ of the well to be replaced. as reflected in the most current records of the well to be replaced; and
 - (iv) meets all other statutory and regulatory requirements for such a well.
 - (b) For a replacement irrigation well, the District may require the hydrogeologic analysis and/or water quality sampling results for the permit if additional irrigated acres are requested.

- Rule 10 Water Well Spacing
- (a) No new water well requiring a permit from the District shall be located within 600 feet of an existing registered water well with the same or higher preference of use, except for a water well owned by the applicant, or a properly permitted replacement well.
 - (b) All additional spacing requirements as set forth in Nebraska statute and/or State regulations shall apply.

Section D Required Water Well Flow Meters

- Rule 1 Water Well Flow Meters
- (a) The District shall require all new and replacement water wells requiring a water well permit to be equipped with a flow meter as a condition of the water well permit.
 - (b) After the effective date of these regulations, any water well capable of pumping more than 50 gallons per minute shall be equipped with a water well flow meter prior to use. No water well capable of pumping more than 50 gallons per minute shall be pumped without first installing a water well flow meter.
 - (c) The District may, in its sole discretion, require water flow meters on existing wells in the Remaining Area that pump 20 to 50 gallons per minute, on a case by case basis to manage groundwater quality and/or quantity .
 - (d) Any well owner and/or operator who has a well equipped with a water flow meter shall provide water usage information on the volume of water pumped to the District annually. Any well owner and/or operator is

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required to maintain each flow meter in working condition on each well pumped.

Section E Phases for Designated Areas of Management

- Rule 1 Phases for Designated Areas of Management
- (a) Phase I for quality and quantity has been designated District-wide and the District has established educational programs, groundwater monitoring and best management practices. Phase II shall establish cost-share incentives to promote best management practices and require educational certification. Phase III shall establish regulatory requirements to address groundwater quality and/or quantity degradation.

Section F Groundwater Monitoring Networks

- Rule 1 Monitoring Network in Groundwater Reservoirs
- (a) The District shall establish a groundwater monitoring network for groundwater quality and quantity.
- Rule 2 Monitoring Network in Remaining Area
- (a) The District shall establish a groundwater monitoring network for groundwater quality and quantity.
- Rule 3 Monitoring Network in Community Water System Protection Areas
- (a) The District shall establish a monitoring well network for groundwater quality and quantity in Community Water System Protection Areas.

Section G Groundwater Phase Triggers

- Rule 1 Phase I Quality and Quantity
- (a) The entire geographic area of the District has been designated as a Phase I Quality and Quantity Groundwater Management Area.
- Rule 2 Groundwater Quality Phase Triggers in a Groundwater Reservoir
- (a) The Phase II trigger shall occur when at least 50% of the monitoring wells in the network are at or above 50% of the Maximum Contaminant Level for a contaminant for more than two (2) consecutive years.
 - (b) The Phase III trigger shall occur when at least 80% of the monitoring wells in the network are at or above 80% of the Maximum Contaminant Level for a contaminant for more than two (2) consecutive years.
- Rule 3 Groundwater Quantity Phase Triggers in a Groundwater Reservoir
- (a) The Phase II trigger shall occur when spring static groundwater elevations in 30% of the monitoring network wells have declined from the established upper elevation of the saturated thickness to an elevation that represents greater than or equal to a percent reduction in the saturated

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- thickness and has remained below that elevation for more than two (2) consecutive years.
- (b) The Phase III trigger shall occur when spring static water elevations in 50% of the monitoring network wells have declined from the established upper elevation of the saturated thickness to an elevation that represents greater than or equal to a percent reduction in the saturated thickness and has remained below that elevation for more than two (2) consecutive years.
 - (c) The percent reduction for each groundwater reservoir and Phase is:

| | Phase II (30% of the wells) | Phase III (50% of the wells) |
|---|--------------------------------|---------------------------------|
| Lower Salt Creek Groundwater Reservoir | 15% | 30% |
| Missouri River Groundwater Reservoir | 8% | 15% |
| Platte River Groundwater Reservoir | 8% | 15% |
| Crete-Princeton Groundwater Reservoir | 8% | 15% |
| Dwight-Valparaiso Groundwater Reservoir | 8% | 15% |

Rule 4 Groundwater Quality Phase Triggers in the Remaining Area

- (a) The Phase II trigger shall occur when at least 50% of the monitoring wells in the network are at or above 50% of the Maximum Contaminant Level for a contaminant for more than two (2) consecutive years.
- (b) The Phase III trigger shall be when at least 80% of the monitoring wells in the network are at or above 80% of the Maximum Contaminant Level for a contaminant for more than two (2) consecutive years.

Rule 5 Groundwater Quantity Phase Triggers in the Remaining Area

- (a) The Phase II trigger shall occur when spring static groundwater elevations in 30% of the monitoring network wells have declined from the established upper elevation of the saturated thickness to an elevation that represents greater than or equal to a 8% reduction in the saturated thickness and has remained below that elevation for more than two consecutive years.
- (b) Phase III trigger shall occur when spring static water elevations in 50% of the monitoring network wells have declined from the established upper elevation of the saturated thickness to an elevation that represents greater than or equal to a 15% reduction in the saturated thickness and has remained below that elevation for more than two consecutive years.

Rule 6 Groundwater Quality Phase Triggers in a Community Water System Protection Area

- (a) The Phase II trigger shall occur when at least 50% of the monitoring wells in the network are at or above 50% of the Maximum Contaminant Level for a contaminant for more than two (2) consecutive years.

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- (b) The Phase III trigger shall occur when at least 80% of the monitoring wells in the network are at or above 80% of the Maximum Contaminant Level for a contaminant for more than two (2) consecutive years.

Rule 7 **Groundwater Quantity Phase Triggers in a Community Water System Protection Area**

- (a) The quantity Phase triggers for a Community Water System Protection Area shall be the same as the triggers of the groundwater reservoir or remaining area in which it is located.

Rule 8 **Groundwater Monitoring Results Reporting**

- (a) Each year the District shall disseminate the results of the groundwater monitoring activities to monitoring well cooperators, the Board of Directors, appropriate state and federal agencies and the general public.

Section H Salt Water Intrusion

Rule 1 **Investigation**

- (a) When any groundwater well in the District shows evidence of salt water intrusion as described herein, the District shall conduct an investigation.

Rule 2 **Investigation Procedures**

- (a) Any investigation conducted as a result of salt water intrusion shall include but not be limited to the sampling of the well(s) to determine the concentration of total dissolved solids; collection of historical groundwater quality data; pumping rates and groundwater usage of wells in the vicinity; groundwater level measurements; evaluation of well(s) stratigraphy, depth and pump installation.

Rule 3 **Action Plan**

- (a) Upon completion of the salt water intrusion investigation and a determination by the District that salt water intrusion is occurring, the District shall develop an action plan for the affected area. The action plan can provide for incentives to implement best management practices to stabilize and reduce the salt water intrusion. The action plan shall also include a trigger and time line based on the concentration of total dissolved solids in the effected wells to develop and implement rules and regulations.

Rule 4 **Rules and Regulations**

- (a) When the action plan trigger has occurred, the District shall develop and implement rules and regulations to require well owners to operate their wells in such a manner as to limit or reduce the salt water intrusion.

Section I Groundwater Verification Studies for Management Phase Determination

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Rule 1 Groundwater Quality

- (a) When the District's monitoring network in a designated area of management shows that the trigger for either Phase II or Phase III has occurred, the District shall conduct a two (2) year verification study to determine if non-point source contamination has occurred and/or is occurring.

Section J Groundwater Management Phase Actions

Rule 1 Annual Review for All Phases of Management Actions

- (a) The District shall prepare for the Board of Directors annually, by March 1st, a report reviewing the Groundwater Management actions, even though a Phase has not been triggered.

Rule 2 Phase I Groundwater Management Actions.

- (a) The District shall require all lands irrigated with groundwater to be certified by the owner of the land to be irrigated. After the effective date of these regulations, any lands irrigated with groundwater shall first be certified by the District prior to those lands being irrigated with groundwater. The number of acres of lands certified as being irrigated with groundwater shall correspond with the number of irrigated acres recorded by county assessors. Lands not certified as irrigated with groundwater shall not be irrigated with groundwater without being first certified by the District.
 - (i) If a landowner wishes to decertify irrigated acres, he or she shall provide evidence for such decertification by completing a form supplied by the District.
- (b) The District Board of Directors shall establish incentive programs to implement best management practices for groundwater quality and quantity.
- (c) The District Board of Directors shall establish programs to educate all District constituents on groundwater conservation, management and utilization.
- (d) The District Board of Directors shall develop, in conjunction with the Department of Natural Resources, integrated management plans for any lands found by the Department to be hydrologically connected by surface water and groundwater under *Neb. Rev. Stat. §46-712* if not fully appropriated or under *Neb. Rev. Stat. §§46-713 and 46-715* if fully appropriated.

Rule 3 Phase II Groundwater Management Actions

- (a) Upon the Board of Directors designation of a Phase II area, the District Board of Directors shall establish an advisory group of stake holders from within the Phase II area to assist the District in developing Phase II rules and regulations, incentives to adopt best management practices and educational certification requirements.

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- Rule 4 Phase III Groundwater Management Actions
- (a) ~~Advisory Group~~. Upon the Board of Directors designation of a Phase III area, the ~~District~~**Board of Directors** shall establish an advisory group of stake holders from within the Phase III area to assist the District in developing Phase III rules and regulations. The rules and regulations shall require the implementation of best management practices, and shall require landowner reports relating to the contaminant and/or groundwater.

Section K Phase II Rules and Regulations

Section K(1) Groundwater Quality Management Area Phase II Lower Salt Creek Groundwater Reservoir, and the Davey, Hickman, Otoe County Rural Water District #3/Weeping Water, Pleasant Dale, Union and Valparaiso Community Water System Protection Areas

- Rule 1 Determination and Designation of Phase II.
- (a) Pursuant to these rules and regulations, the ~~District~~**Board of Directors** has determined that the criteria have been met to designate the following areas of management as Phase II Groundwater Quality Management Areas for nitrate-nitrogen, and therefore designates Phase II Groundwater Quality Management Areas on the following land, to wit (see maps for each area in Appendix A):

Lower Salt Creek Groundwater Reservoir

Lancaster County, Nebraska:

Township 10 North, Range 7 East,
Sections 4, 5, and 6

Township 11 North, Range 7 East,
Sections 13, 14, 23, 24, 25, 26, 27, 32, 33, 34, and 35;

Township 11 North, Range 8 East,
Sections 1, 2, 3, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, and 30;

Township 12 North, Range 8 East,
Section 36;

Cass County, Nebraska:

Township 11 North, Range 9 East,
Sections 6 and 7;

Township 12 North, Range 9 East,
Sections 15, 16, 17, 18, 19, 20, 21, 29, 30, 31, and 32;

Saunders County, Nebraska:

Township 12 North, Range 9 East,
Sections 1, 2, 3, 4, 5, 7, 8, 9, 10, and 11.

Davey Community Water System Protection Area

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Lancaster County, Nebraska

Township 12 North, Range 6 East:

Section 24: East ½ of the Southwest ¼; West ½ of the Southeast ¼; and the Southeast ¼ of the Southeast ¼

Section 25: North ½ of the Northeast ¼

Township 12 North, Range 7 East

Section 19: South ½ of the Southwest ¼

Section 30: North ½ of the Northwest ¼

Hickman Community Water System Protection Area

Lancaster County, Nebraska

Township 7 North, Range 7 East:

Section 9: Southeast ¼;

Section 10: South ½;

Section 15: North ½ and Southwest ¼; and

Section 16.

Otoe County Rural Water District #3/Weeping Water Community Water System Protection Area

Cass County, Nebraska:

Township 11 North, Range 11 East:

Section 1: South ½ of the Southwest ¼;

Section 2: South ½ of the Southeast ¼;

Section 11: Northeast ¼ and South ½;

Section 12: Northwest ¼ and South ½;

Section 13: North ½ and North ½ of the South ½;

Section 14: North ½ and North ½ of the South ½;

Section 15: Northeast ¼; North ½ of the Southeast ¼; and

The portion of the South ½ of the Southeast ¼ within the Village of Manley as of January 1, 2011;

Township 11 North, Range 12 East:

Section 7: South ½ of the Southwest ¼; and

Section 18: Northwest ¼ and North ½ of the Southwest ¼.

Pleasant Dale Community Water System Protection Area

Seward County, Nebraska:

Township 9 North, Range 4 East:

Section 2: The portion of the North ½ north of the Burlington-Northern Santa Fe railroad tracks;

Section 3: Northeast ¼ and the portion of the Southeast ¼ north of the Burlington-Northern Santa Fe railroad tracks;

Township 10 North, Range 4 East:

Section 34; and

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Section 35: South $\frac{1}{2}$; Northwest $\frac{1}{4}$; South $\frac{1}{2}$ of the Northeast $\frac{1}{4}$; and West $\frac{1}{2}$ of the North $\frac{1}{2}$ of the Northeast $\frac{1}{4}$.

Union Community Water System Protection Area

Cass County, Nebraska:

Township 10 North, Range 13 East:

Section 22: Southeast $\frac{1}{4}$; and the portion of the South $\frac{1}{2}$ of the Northeast $\frac{1}{4}$ south of Nehawka Road;

Section 23: Southwest $\frac{1}{4}$; and that portion of the Southwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$ within the Village of Union as of November 1, 2013;

Section 25: Southwest $\frac{1}{4}$ of the Northwest $\frac{1}{4}$; and the Northwest $\frac{1}{4}$ of the Southwest $\frac{1}{4}$;

Section 26: North $\frac{1}{2}$; Southeast $\frac{1}{4}$; and the portion of the Southwest $\frac{1}{4}$ north of Weeping Water Creek; and

Section 27: Northeast $\frac{1}{4}$.

Valparaiso Community Water System Protection Area

Saunders County, Nebraska:

Township 13 North, Range 5 East:

Sections 14, 15, 21, 22, 23, and the southeast quarter of Section 16.

Rule 2

Continue Phase I Rules.

- (a) The District shall continue to enforce all rules set forth in Groundwater Management Area Phase I, with respect to the land designated in these rules and regulations.

Rule 3

Establishment of Cost-Share Programs.

- (a) The ~~District~~**Board of Directors** will establish cost-share programs to implement Best Management Practices (BMP's) on the land designated in Rule 1 above, which may include, but is not limited to, irrigation scheduling, proper timing and application of nitrogen fertilizers, proper chemigation techniques, crop rotation, residue management, irrigation surge and pivot conversions, water efficiency techniques, groundwater nitrate analysis kits and contaminant source inventories. All guidelines for BMP cost-share programs offered in the areas specified in these rules and regulations shall be made available by the District.
- (b) The ~~District~~**Board of Directors** may also approve cost-share assistance for land in neighboring NRDs as long as the land is in a LPSNRD designated CWSPA, the landowner is certified as per these rules and regulations, and there is a jointly approved Interlocal Agreement allowing cost-share to be paid.

Rule 4

Required Certification Programs.

- (a) The District requires educational certification for persons engaged in the use, application and storage of nitrogen fertilizers. Persons required to

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complete the nitrogen management certification are those that make the nitrogen management decisions on the land to be fertilized to include but not limited to: operators of agricultural lands who fertilize 20 acres or more; farm managers; commercial applicators; operators of lawn service companies; operators of golf courses; operators of sod farms; and anyone engaged in the application of manure/bio-solids/bio-liquids on five acres or more. The District will notify landowners when person(s) have completed nitrogen management certification. Nitrogen management certification can be obtained in one of four ways:

- 1) Attend a nitrogen management certification class in person,
- 2) Complete a Nebraska Association of Resources Districts nitrogen management certification course online,
- 3) Complete a nitrogen management certification on home study course and open book exam, or
- 4) Obtain certification in nitrogen management from an adjoining natural resources District. The operator shall provide proof of certification to the District.

Certification classes will be scheduled each year when necessary from January through March. Certification will be required once every four years. The District will contact each certified person one year prior to the certification expiration date to verify if they are required to be re-certified.

Rule 5 Annual Review.

- (a) The District will conduct an annual review no later than January 31 of each calendar year to assess Phase II actions and effectiveness on the land designated in Rule 1 above, including but not limited to the nitrogen management certification program and the BMP cost-share programs. After review by the appropriate subcommittees and/or advisory groups, the annual review will then be reported to the Board of Directors no later than March 1 of each calendar year.

Rule 6 Suspension of Phase II.

- (a) When the District's groundwater quality monitoring data indicates that levels of a contaminant have dropped below the Phase II trigger for a period of not less than three (3) consecutive years, the ~~District~~Board of Directors may choose to suspend Phase II requirements. In making such a decision, the ~~District~~Board of Directors will consider all available information, including its groundwater quality monitoring data, vadose zone data, land use information, and all other pertinent information.
- (b) Upon the District's determination that levels of a contaminant have dropped below the Phase II trigger, the ~~District~~Board of Directors shall:
 - (i) suspend the requirement for nitrogen certification in that Phase II area until such time as the ~~District~~Board of

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- Directors should determine that Phase II trigger levels have again been exceeded;
- (ii) direct District staff to notify all persons within that Phase II area who are required to obtain/maintain nitrogen certification of the District's Board of Directors' determination that levels of a contaminant have dropped below the Phase II trigger and that nitrogen certification requirements have been suspended;
 - (iii) continue to offer cost-sharing on approved Best Management Practices; and
 - (iv) continue to offer nitrogen certification training, but on a rotating, voluntary basis. Persons who had been required to obtain/maintain nitrogen certification shall be notified of such voluntary training.

Section L Phase III Rules and Regulations

Section L(1) Groundwater Quality Management Area Phase III Elmwood Community Water System Protection Area

Rule 1 Determination and Designation of Phase III

- (a) Pursuant to Rule 4, Section I, the District Board of Directors has determined that the criteria have been met to designate the Elmwood Community Water System Protection Area a Phase III Groundwater Quality Management Area for nitrate-nitrogen and hereby designates a Phase III Groundwater Management Area on the following land, to wit (see map in Appendix A):

Elmwood Community Water System Protection Area

Cass County, Nebraska:

Township 10 North, Range 10 East:

Section 8: Southeast $\frac{1}{4}$

Section 9: South $\frac{1}{2}$

Section 16: The portion of the Northeast $\frac{1}{4}$ north of the MoPac Trail; Northwest $\frac{1}{4}$ -; and the portion of the Southwest $\frac{1}{4}$ north of the MoPac Trail

Section 17: Northeast $\frac{1}{4}$ and the portion of the Southeast $\frac{1}{4}$ north of the MoPac Trail.

Rule 2 Continue Phase I and II Rules.

- (a) The District will continue to enforce all rules set forth in Section I, Groundwater Management Area Phases I and II.

Rule 3 Required Certification Programs.

- (a) The District requires educational certification for persons engaged in the use, application and storage of nitrogen fertilizers. Persons required to

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complete the nitrogen management certification are those that make the nitrogen management decisions on the land to be fertilized to include but not limited to: operators of agricultural lands who fertilize 20 acres or more; farm managers; commercial applicators; operators of lawn service companies; operators of golf courses; operators of sod farms; and anyone engaged in the application of manure/bio-solids/bio-liquids on five acres or more. The District will notify landowners when person(s) have completed nitrogen management certification. Nitrogen management certification can be obtained in one of four ways:

- 1) Attend a nitrogen management certification class in person,
- 2) Complete a Nebraska Association of Resources Districts nitrogen management certification course online,
- 3) Complete a nitrogen management certification home study course and open book exam, or
- 4) Obtain certification in nitrogen management from an adjoining natural resources District. The operator shall provide proof of certification to the District.

Certification classes will be scheduled each year when necessary from January through March. Certification will be required once every four years. The District will contact each certified person one year prior to the certification expiration date to verify if they are required to be re-certified.

Rule 4 Annual Review.

- (a) The District shall conduct an annual review no later than January 31 of each calendar year to assess Phase III actions and effectiveness on the land designated in Rule 1 above, including but not limited to the nitrogen management certification program and the BMP cost-share programs. After review by the appropriate subcommittees and/or advisory groups, the annual review will then be reported to the Board of Directors no later than March 1 of each calendar year.

Rule 5 Except as otherwise provided by Rule 6 below, any landowner, operator, farm manager or applicator who intends to apply nitrogen on any crop is required to conduct soil sampling each year prior to planting such crop. One soil sample shall be collected for each field between 10 and 40 acres, or each 40 acre area within a larger field. Soil samples for each 40 acres shall consist of a minimum of the following:

One shallow composite sample consisting of 10-15 individual samples randomly collected from a depth of 0-8" and thoroughly mixed; and
One deep composite sample consisting of 6-8 individual samples randomly collected from a depth of 8-30" and thoroughly mixed. NOTE: The University of Nebraska recommends that deep samples be taken to a depth of 36".

Rule 6 If any landowner, operator, farm manager or applicator applies nitrogen only as a starter, then the soil sampling described by Rule 5 above is not required.

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- Rule 7 Nitrogen fertilizer shall only be applied after the results of the soil sampling has been duly considered by the landowner, operator, farm manager or applicator and in no event shall such application exceed the crop nitrogen recommendations as determined according to the most current University of Nebraska formula.
- Rule 8 Landowners, operators, farm managers or applicators required to conduct soil sampling shall report to the District the results of soil sampling and the amount of nitrogen applied to the field(s) sampled during any calendar year by the end of that calendar year.
- Rule 9 Landowners, operators, farm managers or applicators are prohibited from applying nitrogen fertilizer between harvest and March 1 of any crop year.
- Rule 10 The District encourages landowners of abandoned feedlots to identify and implement practices that will increase the uptake of existing nitrogen in the soil below the normal crop root zone and will consider developing programs to provide assistance.
- Rule 11 The District encourages the establishment of grass or other buffer zones surrounding all public or community water wells and will consider developing programs to provide assistance.
- Rule 12 Suspension of Phase III
- (a) When the District's groundwater quality monitoring data indicates that levels of a contaminant have dropped below the Phase III trigger for a period of not less than three (3) consecutive years, the District Board of Directors may choose to suspend Phase III requirements and revert to Phase II programs. In making such a decision, the District Board of Directors will consider all available information, including its groundwater quality monitoring data, vadose zone data, land use information, and all other pertinent information.
- (b) Upon the District's determination that levels of a contaminant have dropped below the Phase III trigger, the District Board of Directors shall:
- (i) suspend all regulatory requirements enacted for Phase III;
 - (ii) develop and adopt Phase II regulations for that area consistent with other Phase II areas;
 - (ii) notify all persons within that Phase III area who are required to comply with Phase III regulatory provisions that contaminant levels have dropped below the Phase III trigger, and that the area shall revert to Phase II requirements (i.e. nitrogen certification training only); and

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- (iii) offer cost-sharing on approved Best Management Practices.

Section M Improper Irrigation Runoff

Rule 1 The District by implementing these rules and regulations intends to conserve groundwater supplies and prevent the inefficient or improper runoff of groundwater used for irrigation. Each person who uses groundwater for irrigation within the boundaries of the District shall take action to prevent or control the inefficient or improper runoff of groundwater used for irrigation. These rules and regulations are not intended to prevent the *De Minimis* surface runoff of water derived from groundwater irrigation, onto the land of another person.

Rule 2 The District has no jurisdiction over the spray of groundwater from an irrigation system directly onto another person's land.

Rule 3 Prevention or Control of Inefficient or Improper Runoff

(a) Each person who uses groundwater for irrigation shall control or prevent the inefficient or improper runoff of such water by implementing structural or non-structural procedures, measures, or combinations thereof designed to prevent or control inefficient or improper irrigation runoff, including but not limited to:

- (i) Limitation of groundwater utilized so that structural measures are not necessary to prevent or control such inefficient and improper irrigation runoff and the utilization of proper operation and management of the irrigation system, including any reuse or other control measures installed;
- (ii) Construction of a runoff collection and/or retention system such as a sump or dugout, together with a reuse pump and/or ditch to return the water to the same or other field for beneficial use;
- (iii) Blocking of rows or field borders to contain irrigation water within the property where the groundwater is pumped;
- (iv) The execution and performance of an agreement between two or more landowners, including tenants if any, and approved by the District Board of Directors - for utilization of any inefficient and improper irrigation runoff; and
- (v) Any other procedure or measure approved by the District Board of Directors.

Rule 4 Irrigation Runoff Utilization

(a) Any landowner, including a tenant if any, whose inefficient and improper irrigation runoff is capable of being captured and utilized by another landowner, including a tenant if any, in a manner which will prevent or control the inefficient or improper irrigation runoff may enter into an

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agreement with such landowner and tenant if any, with the consent and approval of the District Board of Directors. The agreement may be terminated at any time by either party or by the District Board of Directors whenever it is determined that such agreement no longer prevents or controls the inefficient or improper irrigation runoff. If the District Board of Directors terminates the agreement, written notice shall be provided to all parties. If one of the parties to the agreement causes the termination, written notice shall be provided to all other parties and to the District.

Section N Transfer of Groundwater

Rule 1 Transfer of Groundwater

- (a) Any person who withdraws groundwater for any purpose pursuant to a groundwater remediation plan as required under the Environmental Protection Act, including the providing of water for domestic purposes, from aquifers located within the State of Nebraska may transfer the use of the groundwater off the overlying land if the groundwater is put to a reasonable and beneficial use within the State of Nebraska and further complies with the requirements of *Neb. Rev. Stat. §46-691*. Groundwater transfers will be allowed for domestic or municipal uses. Groundwater transfers for environmental, recreational, agricultural and industrial uses from a groundwater reservoir to lands outside of a groundwater reservoir are prohibited.

Section O Enforcement Procedures for the Nebraska Groundwater Management and Protection Act

Rule 1 General

- (a) The District shall enforce the provisions of The Nebraska Groundwater Management and Protection Act and all rules and regulations adopted pursuant thereto by the issuance of cease and desist orders in accordance with the procedure hereinafter specified and by bringing appropriate actions in the District court of the county in which any violations occur for enforcement of such orders. Cease and desist orders may be issued for the following reasons:
- (i) To enforce any of the provisions of the act or of orders or permits issued pursuant to the Act;
 - (ii) To initiate suits to enforce the provisions of orders issued pursuant to the Act; and
 - (iii) To restrain the construction of illegal water wells or the withdrawal or use of water from illegal wells.

- Rule 2 Any person who violates any of the provisions of *Neb. Rev. Stat. §§46-721 to 46-734, and §46-748* for which a penalty is not otherwise provided, other than the Director of Natural Resources, or the Department of Natural Resources, shall be

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subject to a civil penalty of not more than five hundred dollars. Each day of continued violation shall constitute a separate offense.

Rule 3

Complaints

- (a) Any person who owns or leases land within the boundaries of the District, any person who resides within the District, any non-resident person who can show that the actions of any person within the District directly affects him or her, or the Board on its own motion may file a written complaint against a person alleging a violation of these rules and regulations or that such person is constructing, operating or possessing an illegal water well.
- (b) Complaints shall be filed at the office of the District, 3125 Portia Street, at Lincoln, Lancaster County, Nebraska, on complaint forms prepared by said District which shall be available at such office or at such other office or offices from time to time the Board of Directors shall designate.

Rule 4

Investigations

- (a) The alleged violation shall be investigated by a person authorized by the Board to conduct such investigations within five (5) days following the day of the filing of the complaint exclusive of Saturday, Sundays, and legal holidays. A copy of the complaint shall be delivered to the alleged violator in person, or at his or her place or residence, or be sent by certified mail prior to the investigation.
- (b) Upon completion of the investigation, the investigator shall file a report of his or her findings in the District office and shall deliver a copy of said report to the alleged violator and to the complainant, if other than the Board, in person, or at their place of residence, or shall transmit the same by certified mail.

Rule 5

Submittal of Investigation Report and Subcommittee Consideration Alleging Violation and Alleged Violators Alternatives

- (a) A Subcommittee consisting of District Board members shall assist the District staff in administering these rules and regulations and make a determination as to whether a probable violation of these rules and regulations has occurred. Such determination shall be based upon the investigator's report completed pursuant to these rules and regulations and an on-site inspection by the Subcommittee, if warranted. The Subcommittee may also request that both the alleged violator and the complainant appear before them to discuss the complaint. The Subcommittee shall report its findings to the Board, the alleged violator and the complainant with a recommendation of further actions as follows:
 - (i) If the Subcommittee determines that no violation of these rules and regulations has occurred, it shall recommend and the Board may dismiss the complaint. The complainant shall be given an opportunity to appear before the entire Board before the Board acts on the recommendation;

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- (ii) If the Subcommittee determines that a probable violation of these rules and regulations has occurred, the alleged violator shall be informed of its findings by letter delivered in person or sent by registered or certified mail. The letter shall specify the options available to the alleged violator, including:
 - (A) Agree with and accept as true and correct the Subcommittee's findings that the alleged violation has in fact occurred or is occurring, consent to cease and desist from continuing or allowing the reoccurrence of such violation, and submit a plan which shall provide for the discontinuance and/or non-reoccurrence of the violation. If appropriate, such plan shall include the identification and description of all proposed procedures or measure to prevent, control, or abate improper groundwater irrigation runoff. The alleged violator shall agree to implement and abide by the terms of such plan. If such plan involves structural measures, the alleged violator shall simultaneously submit a schedule of compliance on forms provided by the District. The schedule of compliance shall provide for the submittal of a work order within ten days following approval of the plan in the manner hereinafter provided; or
 - (B) Reject the findings of the Subcommittee and request that a formal hearing before the Board be scheduled and conducted in accordance with the rules and regulations of the District. The alleged violator shall be granted no less than seven (7) days (excluding Saturdays, Sundays and legal holidays) from the date that said report and notice is provided to him or her to respond and to indicate any actions intended.

Rule 6

Action Subsequent to Person's Consent to Cease and Desist

- (a) When an alleged violator has been notified in accordance with Rule 4 of this section and has consented to cease and desist in accordance therewith, a District compliance officer shall review the complaint, the investigator's report, the consent order and any plan for discontinuance and schedule of compliance to determine whether the actions agreed to by the person will, when applied, bring such user into compliance with these rules and regulations, prevent construction, operation or possession of an illegal water well, or prevent improper ground well irrigation runoff. If the compliance officer determines that the proposed actions of the person are adequate and will prevent future non-compliance within a reasonable timer period, he or she shall approve such action or plan and approve the schedule of compliance. If the District compliance officer determines that implementation of the proposed plan and/or schedule of compliance would be inadequate to prevent improper groundwater irrigation runoff, he or she

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shall indicate the additions or changes he or she deems necessary. There after the person shall have five (5) days to consent to such additions or changes in the event of which the compliance officer shall approve the plan and/or schedule of compliance as amended, or, the person may refuse to agree to such additions or changes and request the scheduling of a formal hearing on the issues, which shall be held no less than ten days from the date of request. The original actions under these rules and regulations and the documents filed in accordance therewith by the person shall not be considered at such hearing unless introduced into record by that person. The complainant shall be notified of any such action by the District compliance officer approving the plan and/or schedule of compliance submitted by the person within three (3) days following such approval. If no objections to the action taken are received from the complainant, other than the Board itself, or from any members of the Board if the Board is the complainant within five (5) days after such notification, the proposed plan and/or schedule of compliance shall be considered as having received final approval, if any such complainant or Board member objects to the approval granted by the compliance officer within five (5) days after notification, a formal hearing before the Board shall be scheduled not less than ten (10) days following notification to all affected parties and shall be conducted in the same manner as if the person had requested the hearing in accordance with these rules and regulations..

Rule 7

Board Action Subsequent to Person's Request for Hearing

- (a) At a meeting of the Board prior to which an alleged violator, complainant, or Board member has, in accordance with these rules and regulations, requested a formal hearing, the Board shall hold such formal hearing. If, following a hearing, the Board determines that such person is violating or has violated these rules and regulations or is constructing or operating an illegal water well, it shall adopt and transmit to such person, in person or by certified mail, an order directing such user to immediately cease and desist from all activities determined by the Board to be violations and specifying any actions deemed necessary and appropriate by the Board.

Rule 8

Board Action if Person Fails to Respond or Appear

- (a) At a meeting of the Board prior to which an alleged violator has been notified in accordance with these rules and regulations, and such alleged violator has failed to respond there under, or has failed to appear at any properly scheduled formal hearing, the Board shall review the complaint and the investigator's report as well as any other pertinent information and issue such order or orders in accordance with these rules and regulations as are deemed appropriate.

Rule 9

Person's Actions Following Issuance of Cease and Desist Order

- (a) Any person against which a cease and desist order has been issued in accordance with these rules and regulations may within seven (7) days

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following receipt of such order, submit a schedule of compliance. Any such schedule of compliance requested shall be accompanied by a work order on forms provided by the District and the schedule of compliance and the work order shall be approved by the District Board of Directors and the schedule of compliance and the work order shall be approved by the District compliance officer if such request is in accordance with any and all guidance given by the Board of Directors at the time of issuance of the order.

- Rule 10 Board Authorization to Initiate Court Action
- (a) The Board shall, at the time it takes any action in accordance with these rules and regulations, designate a representative of the Board to initiate appropriate legal actions in the District Court of the County of which the violation has occurred ten days after the notice to the person affected by issuance of any orders of the District which orders have not been complied with nor a schedule of compliance approved. In addition, if any schedule of compliance or work order approved by the Board or the District compliance officer is not initiated as agreed to or is not being properly and timely carried out, unless due to circumstances beyond the control of the person, the Board shall authorize immediate initiation of appropriate litigation.
- Rule 11 Cease and Desist Order
- (a) Any violation of a cease and desist order issued by the Lower Platte South Natural Resources District pursuant to *Neb. Rev. Stat. §46-656.08* shall be a Class IV misdemeanor.

Section P Request for Variance

- Rule 1 Information Required
- (a) Name, address, phone number, e-mail address;
- (b) State the section and rule pertaining to the variance request;
- (c) Aerial photo showing location of the variance request;
- (d) State why the variance is needed;
- (e) Map showing the name and address of all adjoining landowners;
- (f) A signed acknowledgement of notice by the adjoining landowners and water well owners;
- (g) Any other information the person making the request deems relevant; and
- (h) Any other information the District deems necessary.
- Rule 2 Fee For Variance Request
- (a) Any applicant for a variance shall deliver to the District a non-refundable fee of \$500.00 for each variance request.
- Rule 3 Appearance Before the Directors of the Lower Platte South NRD

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- (a) Variance applicant may be required to appear before the Water Resources Subcommittee to explain the variance request.
- (b) Variance applicant may be required to appear before the Board of Directors.

Rule 4 Consideration of the Variance Request

- (a) All variance requests will be considered on a case by case basis.
- (b) All variance requests shall be acted upon by the Board of Directors.

Rule 5 Variance Terms and Conditions

- (a) The Board of Directors may place terms and conditions on the variance that the applicant must agree to by signing an affidavit which shall be recorded with the Register of Deeds.
- (b) If such terms and conditions are required by the Board, the applicant must provide the District with documentation that the affidavit was recorded within thirty (30) days of the granting of the variance.

Section Q Hydrologically Connected Area

Rule 1 Designation of Hydrologically Connected Areas of Groundwater and Surface Water

- (a) The Nebraska Department of Natural Resources has determined that groundwater and surface water in portions of Lancaster, Saunders, and Cass Counties in the Lower Platte South Natural Resources District are hydrologically connected. The District hereby adopts the following as a Hydrologically Connected Area (HCA) for the purpose of managing groundwater and surface water (see map in Appendix A):

Lancaster County: Township 11 North, Range 7 East, Section 24; Township 11 North, Range 8 East, Sections 1, 2, 3, 9, 10, 16, 17, 18, 19, and 20; and Township 12 North, Range 8 East, Sections 25, 35, and 36.

Saunders County: Township 12 North, Range 9 East, Sections 2, 3, 4, 8, 9, and 10; Township 13 North, Range 9 East, Section 36; and Township 13 North, Range 10 East, Sections 31 and 32.

Cass County: Township 12 North, Range 9 East, Sections 15, 16, 17, 19, 20, 21, 22, 29, 30, and 31; Township 12 North, Range 10 East, Sections 4, 5, 9, 10, 11, 12, 13, 14, and 24; Township 12 North, Range 11 East, Sections 1, 11, 12, 14, 15, 16, 18, 19, 20, and 21; Township 12 North, Range 12 East, Section 6; Township 12 North, Range 13 East, Sections 1, 2, 3, 4, and 12; Township 13 North, Range 12 East, Sections 25, 26, 27, 28, 31, 32, 33, 34, 35, and 36; Township 13 North, Range 13 East, Sections 28, 30, 31, 32, 33, 34, 35, and 36; and Township 13 North, Range 14 East, Section 31.

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- Rule 2 District to Maintain Status
- (a) The District intends to maintain the status of not fully appropriated as determined by the Nebraska Department of Natural Resources by adopting and implementing the rules and regulations herein.
- Rule 3 Certification of Historically Irrigated Acres
- (a) Within the HCA, only acres that are certified by the District as historically irrigated or approved for expansion may be irrigated.
- (b) The District has completed certification of acres historically irrigated with groundwater within the Hydrologically Connected Area, and determined that 2,964 acres should be so certified.
- Rule 4 Expansion of Irrigated Acres
- (a) The District shall allow for the -expansion of irrigated acres -in accordance with the allowable new depletions in each five-year increment as agreed upon by the Lower Platte River Basin Water Management Plan Coalition.
- (b) To expand irrigated acres, landowners shall apply to the District on forms provided by the District.
- (c) The District Board of Directors shall consider each application and either approve or deny the application based on the following criteria and considerations:
- (i) Whether or not the land is suitable for irrigation of the crops grown using criteria established by the U.S. Department of Agriculture/Natural Resources Conservation Service (USDA/NRCS);
- (ii) Whether or not the proposed expansion is considered to be “sodbusting” as defined by USDA/NRCS;
- (iii) Whether or not the landowner is implementing practices designed to conserve water such as converting from furrow to center pivot irrigation or other practices designed to conserve water;
- (iv) Whether or not the irrigation expansion utilizes an existing groundwater source;
- (v) Whether or not the groundwater source is proposed to be withdrawn from an illegal water well; and
- (vi) Any other criteria and considerations deemed relevant by the District.
- (d) Irrigation of land outside the HCA by a new well in the HCA is prohibited.
- (e) As of the effective date of these rules and regulations, if an existing well within the HCA is irrigating land outside the HCA, the District will allow that land to continue to be irrigated, but no expansion of irrigated acres will be allowed outside the HCA.
- Rule 5 Transfer of Certified Irrigated Acres Designated by the District Board of Directors Within the Hydrologically Connected Area

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- (a) Transfer of certified irrigated acres designated by the DistrictBoard of Directors within the HCA will be allowed only if:
 - (i) The transfer is acre-for-acre or less than acre-for-acre;
 - (ii) The land to which the acres are transferred is suitable for irrigation of the crops grown using criteria established by the USDA/NRCS;
 - (iii) The transfer is not to a furrow irrigation system; and
 - (iv) The requirements of LB477, 2009 Legislative Session, are followed.
- (b) If the transfer is less than acre-for-acre, the District reserves the right to claim credit for all groundwater not used as a result of the transfer.

Rule 6 District to Claim Credit for Difference

- (a) Beginning with the effective date of these rules and regulations, the District reserves the right to claim credit for and set aside for future use the difference between:
 - (i) Groundwater used on the number of expanded irrigated acres approved by the District; and
 - (ii) Groundwater that would have been used on 20% of the acres located in the HCA and certified by the District as historical.

Rule 7 New Permits for Water Wells Located Within the Hydrologically Connected Area

- (a) The DistrictBoard of Directors will consider applications for new water well permits in the HCA if the applicants meet all conditions for water well permits set forth in Section C of the District's Groundwater Rules and Regulations as well as the conditions in these rules and regulations.
- (b) In addition to the reasons set forth in Section C of the District's Groundwater Rules and Regulations, the DistrictBoard of Directors shall deny any new water well permits in the HCA for:
 - (i) Gravity irrigation; or
 - (ii) Irrigation of land determined by the District to be not suitable for irrigation of the crops grown using criteria established by the USDA/NRCS; or
 - (iii) Irrigation of lands outside the HCA.
- (c) Water well permits are not required for:
 - (i) Domestic wells pumping 50 gallons per minute or less;
 - (ii) Wells used to water range livestock and pumping 50 gallons per minute or less;
 - (iii) Test holes;
 - (iv) Dewatering wells with an intended use of 90 days or less;
 - (v) Monitoring or observation wells;
 - (vi) Wells designed for remediation of groundwater contamination;
 - (vii) Surface water uses;
 - (viii) Wells for emergency human consumption or public health and safety; or
 - (ix) Wells permitted by the Nebraska Department of Natural Resources under the Municipal and Rural Domestic Transfers Permit Act

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prior to the stay imposed by the Nebraska Department of Natural Resources.

- Rule 8 District to Claim Credit for Groundwater Pumped from Outside Hydrologically Connected Area
- (a) The District reserves the right to claim credit for future use the discharge from all municipal, community, or industrial water systems if such systems obtain their water from wells located outside the HCA and such discharge is returned to the Platte River Basin.

- Rule 9 Enforcement and Variance
- (a) The District will enforce the rules and regulations adopted herein pursuant to and in accordance with the Enforcement Procedures provided in the Groundwater Rules and Regulations of the District, as may from time to time be amended.
- (b) Any requests for a variance from these rules and regulations will be governed by the Groundwater Rules and Regulations of the District, as may from time to time be amended.
- (c) If a landowner is not satisfied with any determination made pursuant to the rules and regulations adopted herein, he or she may request a formal hearing before the Board as provided in these rules and regulations.

Section R Special Management Area

- Rule 1 The District may designate a Special Management Area for the protection of groundwater quantity in a portion or portions of the District where additional controls are necessary for the protection of groundwater quantity in that area. Such additional controls are in the public interest and for the promotion of the health and welfare of the District because they will minimize pumping conflicts and protect groundwater supplies for all beneficial uses.

- Rule 2 Dwight-Valparaiso-Brainard (DVB) Special Management Area.
- (a) The District hereby designates an area, which includes the Dwight-Valparaiso Groundwater Reservoir and portions of the Remaining Area, as a Special Management Area for additional groundwater quantity controls to address short term problems, in response to the situation where the existing groundwater quantity Phase Triggers for this Groundwater Reservoir are not responsive. This area includes the following land, to wit (see map in Appendix A):

Butler County, Nebraska
Township 14 North, Range 4 East
Sections: 1-5, 8-18, 20-29 and 32-36.

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Township 13 North, Range 4 East
Sections: 1-5, 8-18, 20-30, and 32-36.

Saunders County, Nebraska
Township 14 North, Range 5 East
Sections: 4-9, 16-21, and 28-33.

Township 13 North, Range 5 East
Sections: 1-36.

Township 13 North, Range 6 East
Sections: 3-11, 14-23, and 26-35.

Seward County, Nebraska
Township 12 North, Range 4 East
Sections: 1-3.

Lancaster County, Nebraska
Township 12 North, Range 5 East
Sections: 1-6, and 10-12.

- (b) No New Irrigated Acres.
- (i) There shall be no new groundwater irrigated acres from any water well located in the Special Management Area beyond those acres certified by the District on March 1, 2014 as irrigated acres by groundwater.
- (c) Allocation.
- (i) The use of groundwater from any water well for irrigation of certified acres in the Special Management Area shall be subject to an allocation. The District hereby establishes a three (3) year rolling allocation of twenty-one (21.0) acre-inches per irrigated acre not to exceed a nine (9.0) acre-inch annual maximum. The rolling allocation shall remain in effect until such time as the District modifies or removes it. The District shall also maintain a local advisory committee.
- (A) There shall be no required allocation for that portion of the Special Management Area located in Township 13 North, Range 6 East, Saunders County.
- (ii) If groundwater use has exceeded the annual maximum allocation during any one (1) calendar year of the three (3) year rolling allocation period, the subsequent allocation shall be reduced by an amount equal to two (2) times the amount in excess of such annual allocation, and carried forward in each of the following calendar years until such penalty is reduced to zero (0).
- (iii) In addition to (ii) above, if groundwater use exceeds the maximum three (3) year rolling allocation of 21.0 acre-inches, the subsequent allocation shall be reduced by an amount equal to two (2) times the amount in excess

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of such three (3) year rolling allocation, and carried forward in each of the following calendar years until such penalty is reduced to zero (0).

- (d) Required Certification Programs.
 - (i) The District shall require educational certification in irrigation management for those persons making the management decisions for using a well to irrigate agricultural land. The irrigation management certification may be obtained by attending class, as a take home test, or on-line. After June 1, 2015, the name of each person so certified must be on file with the District for each groundwater well irrigating agricultural lands in the Special Management Area. Irrigation certification will be required once every four years. The District will accept certification in irrigation management from other natural resources Districts upon providing proof of certification.

- (e) Establishment of Cost-Share Programs.
 - (i) The District will establish cost-share programs to implement Best Management Practices (BMP's) on the land designated in these rules and regulations, which may include but is not limited to, irrigation management practices.

- (f) New or Replacement Wells.
 - (i) All new or replacement water wells to be used for domestic or other purposes, excluding monitoring and other non-consumptive wells, shall be constructed to such a depth that they are less likely to be affected by seasonal declines caused by other water wells in the same area.
 - (ii) Except for wells listed as exceptions to stays in *Neb. Rev. Stat. §46-714(3)*, all applications for wells in the Special Management Area for which permits are required shall be presented to the Board of Directors for consideration. The District may request an applicant to provide a hydrogeologic assessment from a qualified professional geologist or engineer with experience in such analysis showing the extent of any impact from this new or replacement well on existing wells. The Board may deny an application for a permit if it finds that the operation of a new or replacement well will adversely impact an existing well or wells or if such well is not in the public interest. Public interest shall include consideration of the economic, social, and environmental impacts of the proposed new or replacement well and whether and under what conditions other sources of water are available for use proposed for the new or replacement well.

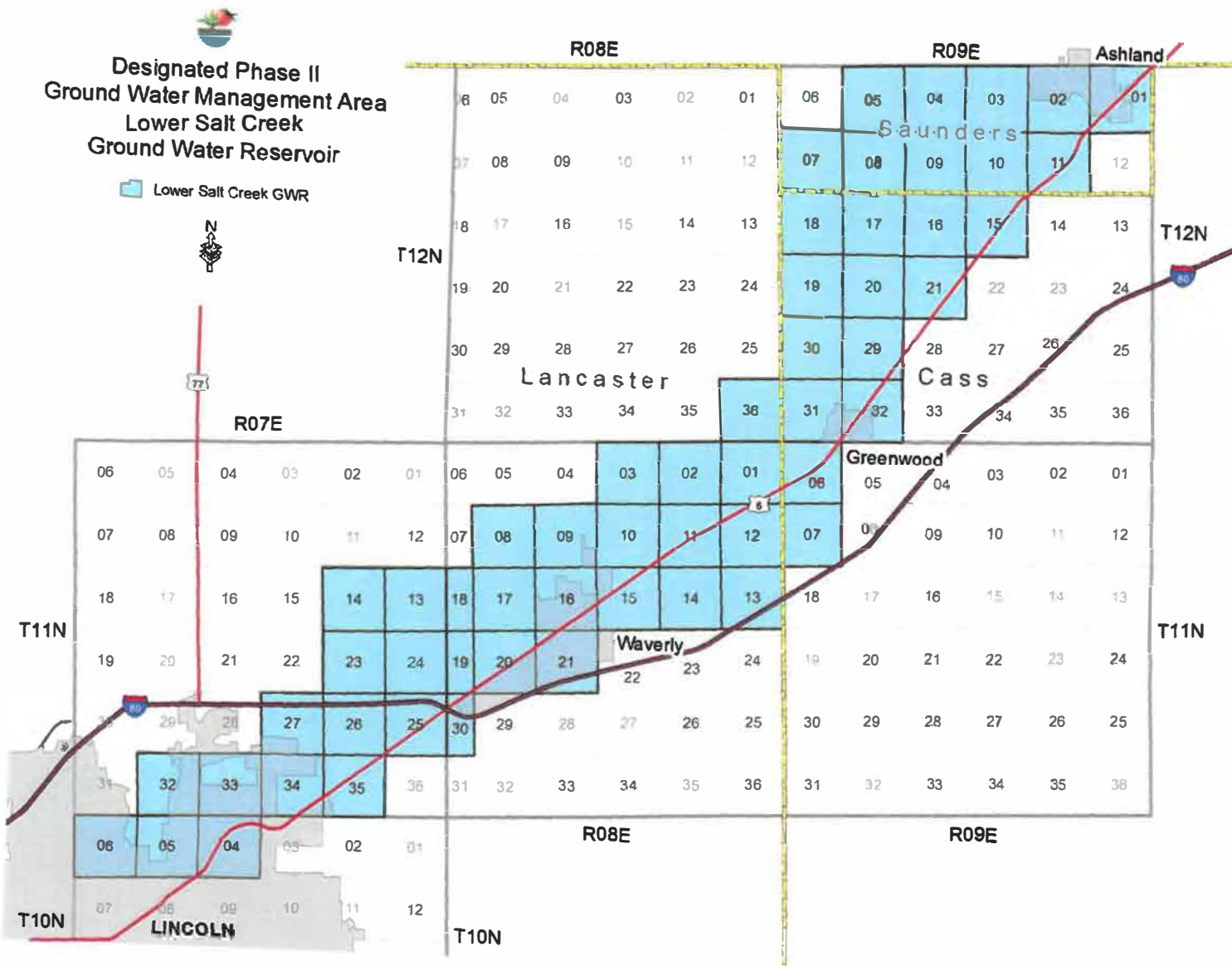
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Appendix A

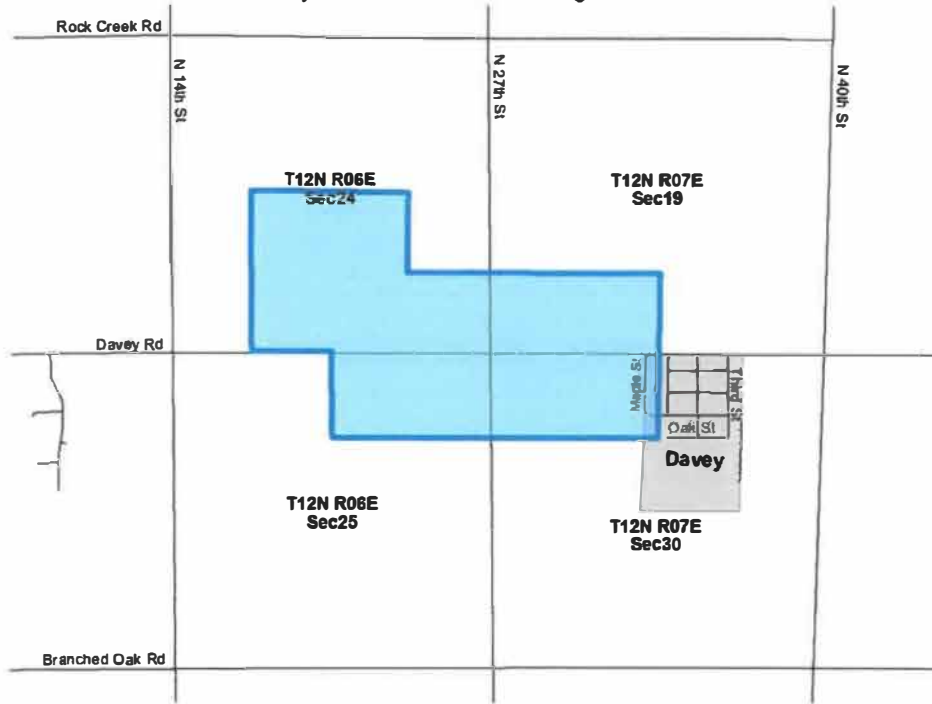
Maps



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Davey CWSPA - Phase II Management Area



Elmwood CWSPA - Phase III Management Area

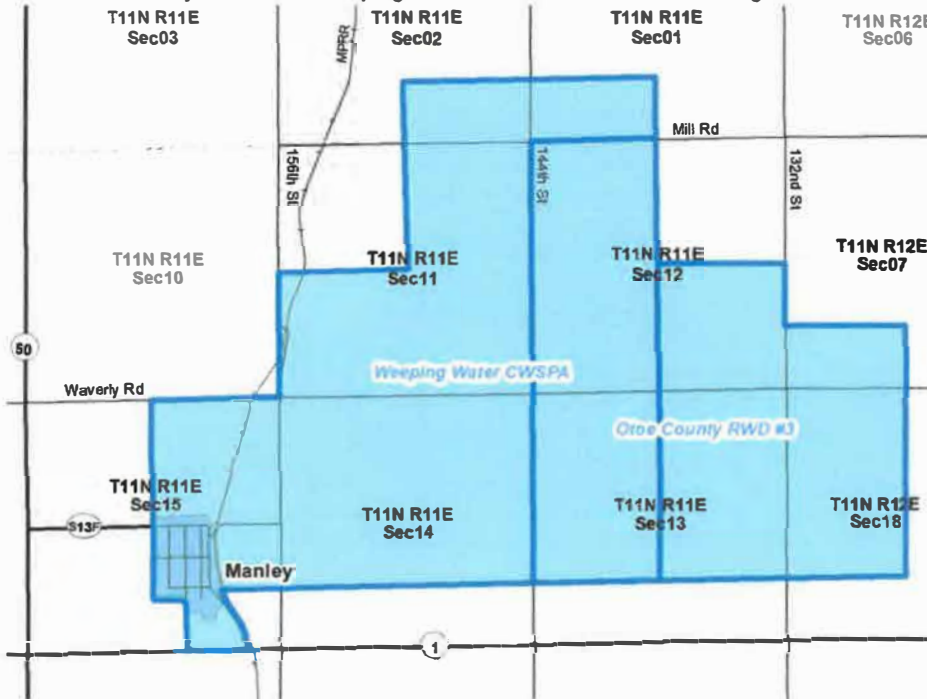


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Hickman CWSPA - Phase II Management Area

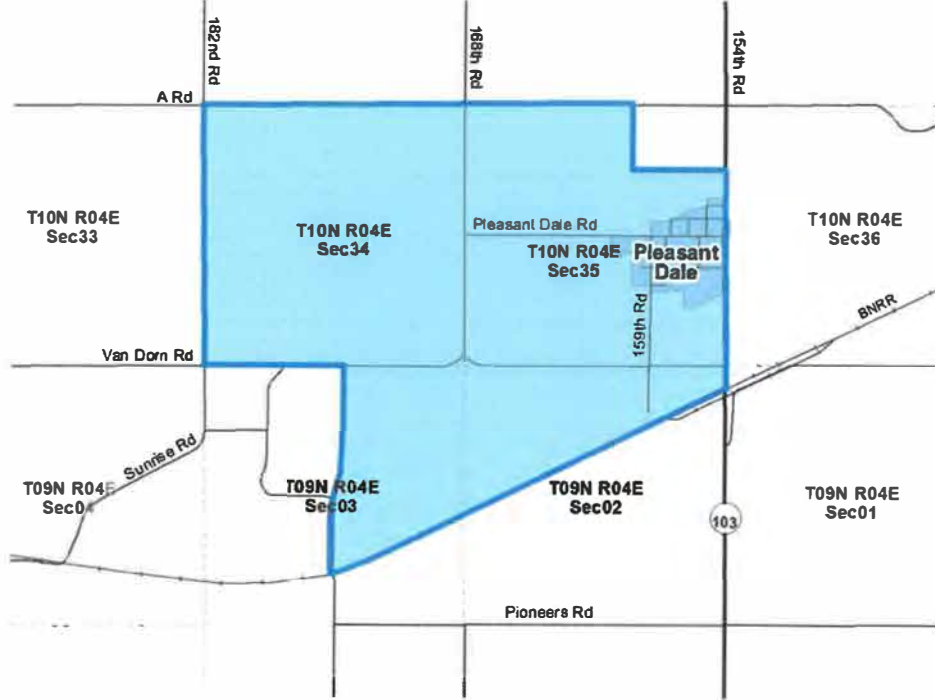


Otoe County RWD#3 + Weeping Water CWSPAs - Phase II Management Area

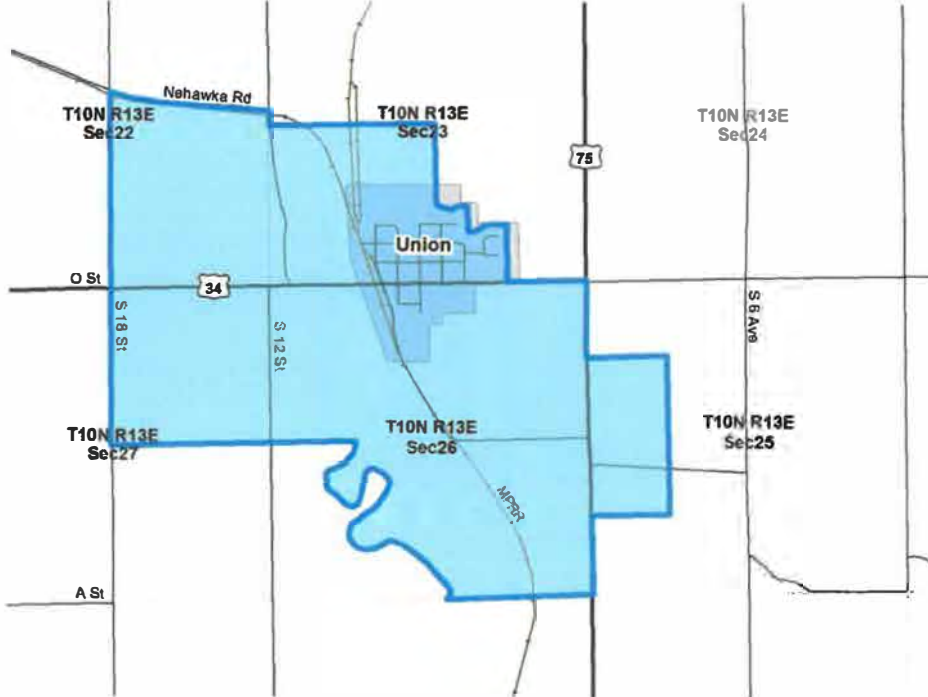


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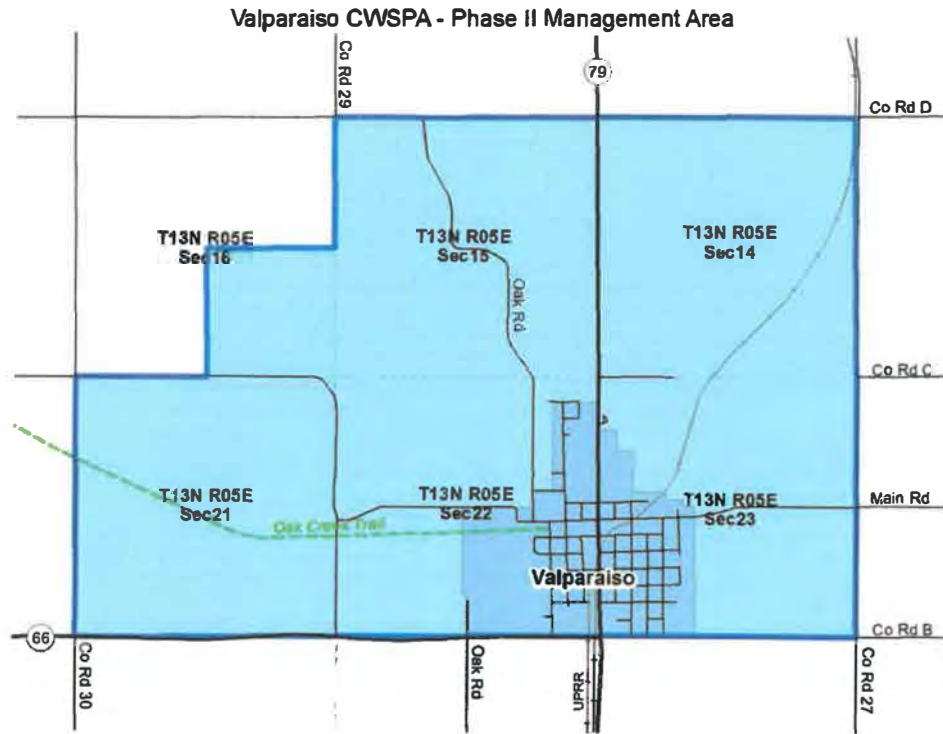
Pleasant Dale CWSPA - Phase II Management Area



Union CWSPA - Phase II Management Area

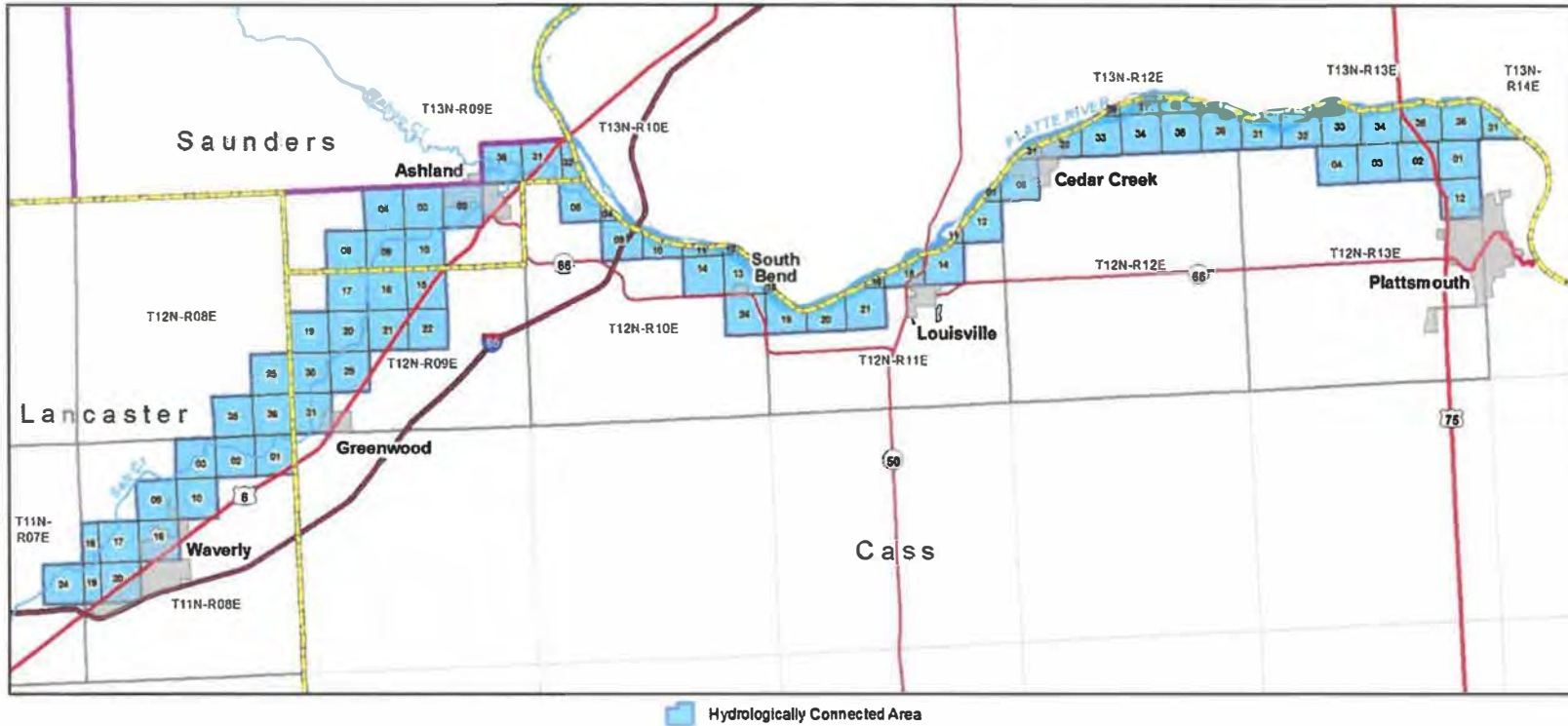


DRAFT 12/2022

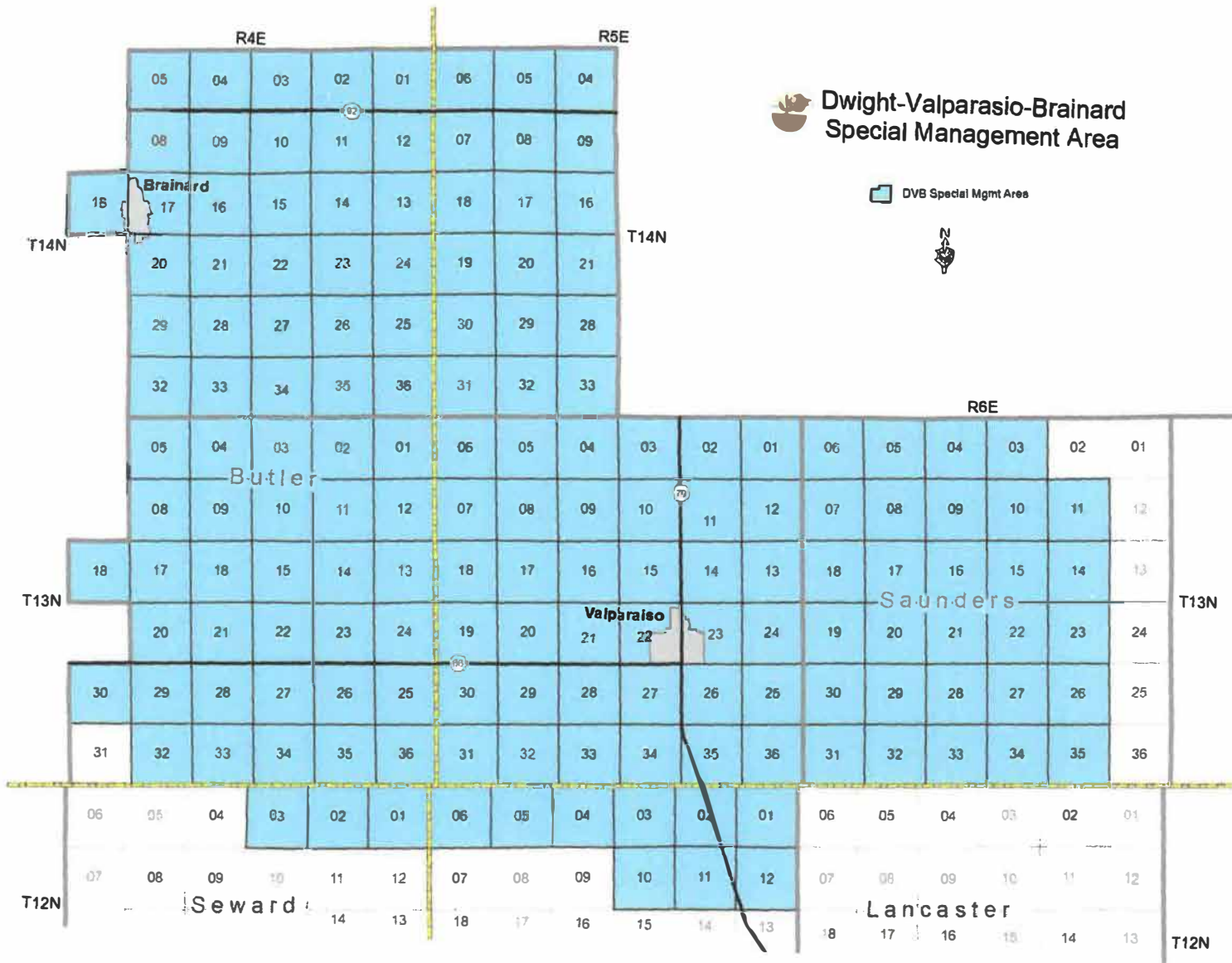




Hydrologically Connected Area - Lower Platte South Natural Resources District



DRAFT 12/2022



Lower Platte South Natural Resources District

Public Hearing on Proposed Revisions
to Groundwater Rules & Regulations

January 5, 2023



LOWER PLATTE SOUTH
natural resources district



A Little History...

- First Groundwater Rules & Regulations adopted in 1996 following establishment of Groundwater Management Area for entire LPSNRD
- Regulations have been revised several times since
- Latest revisions effective January 15, 2020
- Current proposed Revisions:
 - Drafted—Fall 2022
 - Board directed staff to hold public hearing—November 2022
 - Public notice in Lincoln Journal-Star—December 9, 16, & 23, 2022
 - Information published on LPSNRD website, public media, press releases

Proposed Revisions-- Definitions

- **Add/revise definitions:**
 - **Dewatering Well (new definition; p. 2)**
 - **District (modify existing definition; p.2)**
 - **Final Permit Application (new definition; p. 3)**
 - **Hydrogeologic Analysis (modify existing definition; p. 3)**
 - **Preliminary Permit Application (new definition; p. 5)**
 - **Test Hole (new definition; p. 6)**

Proposed Revisions—Water Well Permit Applications

- Specify reasons for submitting a preliminary permit application (p. 12, #viii)
- Specify that any required hydrogeologic analysis shall be submitted at least 120 days prior to submittal of a final permit application (p. 12, Rule 1, #ix)
- Clarify means by which the District may verify information submitted with a permit application (p. 12, Rule 2, #a)
- Modify requirements for Class 1, 2, 3, and 4 permits to account for new Class 5 permit (p. 12-14, Rule 2, #s b, c, d, & e)

Proposed Revisions— Water Well Permit Applications

- Create **Class 5 Permit Application** (NEW—p. 14-15, Rule 2, #f)
 - Applies to any water well located anywhere in LPSNRD designed & constructed to pump more than 500 acre-feet of water per year
 - Requirements:
 - Copy of well log
 - Accurate static water level to determine aquifer thickness
 - Minimum 72-hour aquifer test w/ all applicable data, supervised by licensed professional geologist or engineer
 - Water quality samples (sodium, chloride, TDS) collected after 24-hour pump test
 - Hydrogeologic analysis report considering impacts for minimum 20 years, prepared by licensed professional geologist or engineer
 - Contact owners of all adjoining land informing them of permit application w/ evidence of contact
 - All Class 5 permit applications presented to the Board of Directors for approval or denial

Proposed Revisions-- Administrative

- Clarify instances where the District may take action administratively and those requiring action by the Board of Directors (several places throughout the regulations)

MEMO

TO: Water Resources Subcommittee
RE: Davey Well Decommissioning
FROM: Maclane Scott, Water Resources Technician
Date: January 11, 2023

- Davey has requested financial assistance with the decommissioning of a water well in their current municipal well field. The well is located within the Davey Community Water System Protection Area. Well decommissioning cost share within a CWSPA is 100%
- Davey has chosen to have AWS Well Company perform an “advanced well decommissioning” with the intention of decreasing the chance of nitrates leaching into their newer municipal wells. This method of decommissioning comes with a higher cost as it involves pressure grouting the annular space of the well below ground and requires specialized equipment. A traditional decommissioning would be around \$2500 and an advanced decommissioning will cost \$13,050.
- Davey is currently in a Phase II management area due to high nitrates.

STAFF RECOMMENDED MOTION: The Water Resources Subcommittee recommends that the Board of Directors authorize the Village of Davey to be reimbursed for 100% of the cost of a standard well decommissioning, and in addition reimburse the Village for 50% of the difference in cost between a standard decommissioning and an “advanced well decommissioning.”

DAVEY, NE 68336

402-785-5351

James E. Kaiser
Chairman

Pamela Huck
Clerk

Diane Ahlstrand
Treasurer

November 17, 2022

RE: Decommissioning Well

Maclane Scott
Water Resources Technician
LPSNRD

The Village of Davey has a well which needs to be decommissioned after digging new well, nitrates have been increasing in #1 well G-030085 and needs advanced well decommissioning of it. The Village of Davey requests that the LPSNRD provide additional assistance with the cost of advanced decommissioning beyond your normal cost share.

Respectfully,



James E. Kaiser

CC: Greg Bouc
Bryce Anderson

Well Decommission Review



- ★ Public Supply
- ◆ Monitoring Wells
- Irrigation
- ▲ Domestic
- ◆ Other

AWS WELL CO. INC
 PO BOX 246
 Mead, NE 68041 US
 402-624-3895

Estimate 1583

ADDRESS

Village of Davey
 PO Box 1
 Davey, NE 68336

| | |
|--------------------|----------------------|
| DATE 08/17/2022 | TOTAL \$13,050.00 |
|--------------------|----------------------|

| QTY | DESCRIPTION | RATE | AMOUNT |
|-----|--|----------|----------|
| | Enhanced Decommissioning of Existing 6" High Nitrate Well North of Pump House | | |
| 1 | Records research & Site Evaluation | 350.00 | 350.00 |
| 1 | Pull Pump & Labor | 750.00 | 750.00 |
| 1 | Down the hole video Inspection to record well integrity | 900.00 | 900.00 |
| 1 | Down the hole perforation of well casing every 90 degrees | 3,500.00 | 3,500.00 |
| 1 | Down the hole video of well casing perforations | 700.00 | 700.00 |
| 1 | Pressure grout of Annular Space | 6,000.00 | 6,000.00 |
| 1 | Site operation, written report and deliverables to Village of Davey and Lower Platte South NRD for 6" well | 850.00 | 850.00 |
| - | | | |
| - | | | |
| - | | | |

This is an estimate only and can be changed by actual footages or unforeseen circumstances. We look forward to working with you.

| | |
|--------------|--------------------|
| SUBTOTAL | 13,050.00 |
| TAX | 0.00 |
| TOTAL | \$13,050.00 |

THANK YOU.

Accepted By

Accepted Date

Project will be left in a rough grade condition. Estimate is valid for 30 days and DOES NOT include: electrical work, permit or inspection fees required by state, city, or town, or sales tax if applicable. AWS WELL is not responsible for compaction, replacing grass, landscape, sprinklers, ground settling or any other structure in the work area.



LOWER PLATTE SOUTH

natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581
 P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

Memorandum

Date: December 30, 2022
To: Water Resources Subcommittee
From: Steve Herdzina, Water Resources Compliance Specialist
Subject: LPSNRD Ground Water Rules & Regulations Alleged Violation Report

Beginning in 2014, the District revised the Ground Water Rules and Regulations to add the Dwight-Valparaiso-Brainard (DVB) Special Management Area (SMA). The District established an initial 3-year allocation of 21 acre-inches per irrigated acre not to exceed nine acre-inch annual maximum for sprinkler irrigation and thirty acre-inches per irrigated acre not to exceed a twelve acre-inch maximum for gravity irrigation, beginning in calendar year 2014. In late 2019, the allocation was altered to set a rolling 3-year allocation of 21 acre-inches per irrigated acre not to exceed 9 acre-inch annual maximum for all irrigation distribution systems.

On September 12, 2022, the District received a call from Ron Regnier who indicated that he believed he had exceeded his annual 9 acre-inch allocation. The Water Resources Compliance Specialist performed a field investigation and calculated that the well G-042047, owned by Robin Regnier, exceeded the one year 9 acre-inch maximum allocation for irrigation systems by using 9.03 acre-inches. Due to this overuse of allocation, a penalty of 0.06 inches (.03 overuse x 2) needs to be applied and served in 2023. Attached is a Report of Investigation by the Water Resources Compliance Specialist, which reviews all information and calculations collected for the alleged irrigation violation (Attachment 1). A map showing the location of the violation is provided in the report. The associated section of the LPSNRD Groundwater Rules and Regulations that refers to the violation process is provided as Attachment 2.

In reviewing all available information, staff believes that a probable violation has occurred.

Recommended motion: Staff recommends that the Water Resources Subcommittee determine that a probable violation of the Rules and Regulations has occurred, and direct staff to proceed with compliance as outlined in Section O of the Rules and Regulations.

REPORT OF INVESTIGATION

**Alleged Violation of Groundwater Allocation in the Dwight Valparaiso Brainard
Special Management Area**

Well Owner: Robin Regnier

Tenant: Ron Regnier

Well Registration: G-042047

NW ¼ of SE ¼, Sec. 11, T12N, R5E, Lancaster County, Nebraska

Landowners: Tyson Regnier

Brandan and Lindsey Regnier

Allocation Year: 2022

Investigator: Steve Herdzina, Water Resources Compliance Specialist

Report Date: September 20, 2022

BACKGROUND:

Beginning in 2014, the District revised the Ground Water Rules and Regulations to add the Dwight-Valparaiso-Brainard (DVB) Special Management Area (SMA). The District established an initial 3-year allocation of 21 acre-inches per irrigated acre not to exceed nine acre-inch annual maximum for sprinkler irrigation and thirty acre-inches per irrigated acre not to exceed a twelve acre-inch maximum for gravity irrigation, beginning in calendar year 2014. In late 2019, the allocation was altered to set a rolling 3-year allocation of 21 acre-inches per irrigated acre not to exceed nine acre-inch annual maximum for all irrigation distribution systems.

INVESTIGATION:

On September 12, 2022, the District received a call from Ron Regnier who indicated that he believed he had exceeded his annual 9 inch allocation. The Water Resources Compliance Specialist performed a field investigation and calculated that the well G-042047, owned by Robin Regnier, exceeded the one year maximum allocation for irrigation systems (9 inches). The meter showed that the well had been used to apply 9.03 inches of water. Photos of the well and meter are attached to the end of this report.

There are 44.06 certified acres associated with this well. The well is located just north of Agnew Road in Section 11, Township 12, Range 5 E (Attachments 1 and 2). Attached to this report are Property Detail sheets from the Lancaster County Assessor, which lists Tyson Regnier as one property owner, and Brandan and Lindsey Regnier as the other owner (Attachments 3 and 4). Both are currently the certified acre owners with the District which is shown in attachments 5 and 6. The well is currently in Robin Regnier's name (Ron's wife and mother of Tyson and Brandan), see attachment 7. The Regniers have been in contact with the Department of Natural Resources to determine the best way to update the well records to include all members of the family. Also attached to this report is a spreadsheet with the usage calculations for 2022 (Attachment 8). The field had both corn and soybeans being irrigated in 2022. The well pumped 5.91 inches in 2020 and 2.83 inches in 2021 for a combined usage of 8.74 inches for the first 2 years of the 3-year rolling allocation. This resulted in a full 9-inch maximum allocation available for 2022. The well would also have the full 9-inch allocation available for 2023 prior to any potential penalty reduction.

According to the District's Ground Water Rules & Regulations Section R, Rule 2(c)(ii): If ground water use has exceeded the annual maximum allocation during any one (1) calendar year of the three (3) year rolling allocation period, the subsequent allocation shall be reduced by an amount equal to two (2) times the amount in excess of such annual allocation, and carried forward in each of the following calendar years until such penalty is reduced to zero (0). According to the rule, the penalty for exceeding the maximum annual allocation (9) by 0.03 inches would be a reduction of 0.06 inches (.03 x 2) and subtracted from the next year(s) maximum allocation. The allocation reduction of .06 for 2023 would result in a maximum pumping of 8.94 inches in 2023.

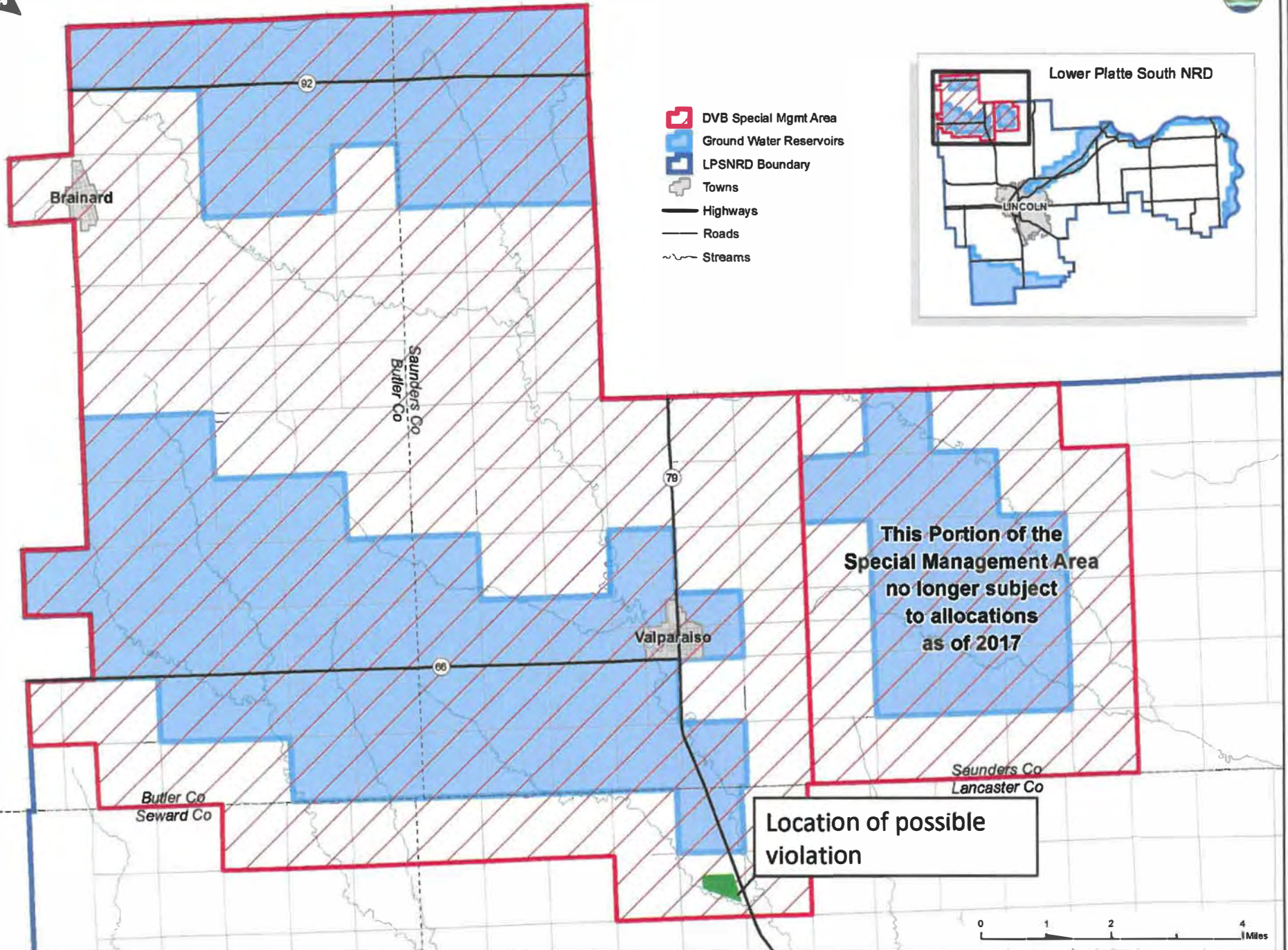


Figure 1: Photo of Meter Serial # on Well Reg: G-042047 (September 19, 2022)



Figure 2: Meter face of GP10-0958 on Well Reg: G-042047 (September 19, 2020)

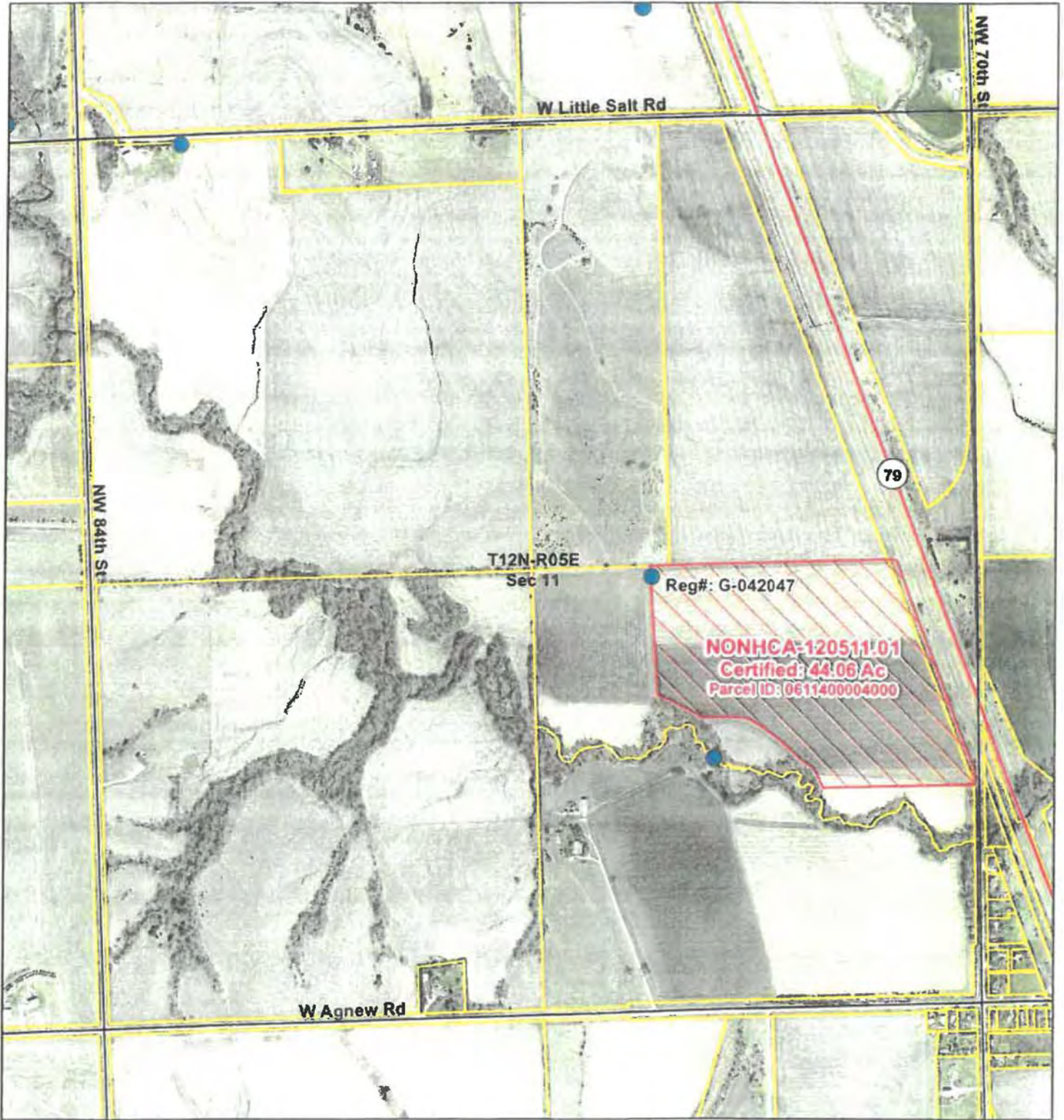
Dwight-Valparasio-Brainard Special Management Area



Sources: Lower Platte South NRD; NE Dept of Natural Resources; NE Dept of Environmental Quality; NE Dept of Roads

Map Updated: September 2017 - Lower Platte South NRD, sdr

Regnier Certified Irrigated Acres Non-HCA (LPSNRD)



- Reg Irrigation Wells
- Reg Commercial Wells
- Section Lines
- ▭ Parcel Lines
- ⊕ Cities
- ▨ Certified Irr Areas (Non-HCA)



Map Created: August 2011 - LPSNRD, sdr

Attachment 3

LANCASTER COUNTY ASSESSOR / REGISTER OF DEEDS

| | | | |
|-------------|------------------|------------------------------------|---------------------|
| QuickRef ID | Owner | Property Address | 2022 Assessed Value |
| R397875 | REGNIER, TYSON M | 7514 W AGNEW RD, RAYMOND, NE 68428 | \$229,000 |

2022 GENERAL INFORMATION

Property Status **A-Active**
 Property Type **Real Property**
 Property Class **Ag Unimproved**
 Zoning **AG - AG-Agriculture District**
 Legal Description **S11, T12, R5, Acres 6th Principal Meridian, LOT 34 SE**
 Neighborhood **Rural 3600N**
 Property ID **06-11-400-007-000**
 Taxing Unit Group **0081**

2022 VALUE INFORMATION

Total Non-Ag Assessed **-**
 Total Ag Sp Assessed **\$229,000**

2022 OWNER INFORMATION

Owner Name **REGNIER, TYSON M**
 Mailing Address **3343 W BRANCHED OAK RD RAYMOND, NE 68428**
 Exemptions **-**
 Percent Ownership **50%**

AG LAND SEGMENTS

| LAND TYPE | SOIL TYPE | ACRES | AG VALUE |
|---------------------|---|-------|----------|
| D-Dryland | Kennebec silt loam, occasionally flooded | 3.81 | \$17,150 |
| I-Irrigated | Kennebec silt loam, occasionally flooded | 16.93 | \$97,759 |
| W-Waste | Kennebec silt loam, occasionally flooded | 0.01 | \$10 |
| D-Dryland | Aksarben silty clay loam, 6 to 11 percent slopes | 0.23 | \$793 |
| D-Dryland | Judson silt loam, 2 to 6 percent slopes | 4.16 | \$20,285 |
| I-Irrigated | Judson silt loam, 2 to 6 percent slopes | 1.41 | \$7,603 |
| D-Dryland | Malmö clay, 2 to 6 percent slopes, eroded | 0.17 | \$670 |
| D-Dryland | Shelby clay loam, 7 to 12 percent slopes | 3.39 | \$11,174 |
| I-Irrigated | Shelby clay loam, 7 to 12 percent slopes | 0.21 | \$938 |
| D-Dryland | Mayberry silty clay loam, 3 to 6 percent slopes, eroded | 0.10 | \$407 |
| D-Dryland | Nodaway silt loam, occasionally flooded | 2.35 | \$10,593 |
| W-Waste | Nodaway silt loam, occasionally flooded | 0.05 | \$38 |
| I-Irrigated | Colo silty clay loam, occasionally flooded | 7.70 | \$44,456 |
| D-Dryland | Nodaway silt loam, channeled, occasionally flooded | 3.75 | \$11,940 |
| G-Grassland/Pasture | Nodaway silt loam, channeled, occasionally flooded | 0.48 | \$1,087 |
| I-Irrigated | Nodaway silt loam, channeled, occasionally flooded | 0.08 | \$333 |
| W-Waste | Nodaway silt loam, channeled, occasionally flooded | 5.00 | \$3,747 |

ASSESSED VALUE HISTORY

Attachment 3

| YEAR | LAND | BUILDING | TOTAL |
|------|-----------|----------|-----------|
| 2021 | \$229,000 | \$0 | \$229,000 |
| 2020 | \$229,000 | \$0 | \$229,000 |
| 2019 | \$253,100 | \$0 | \$253,100 |
| 2018 | \$268,400 | \$0 | \$268,400 |
| 2017 | \$268,400 | \$0 | \$268,400 |

SALES HISTORY

| SALE DATE | SELLER | BUYER | INSTR # | Sale Price |
|------------|-----------------------------|--------------------------|----------------------------|------------|
| 10/27/2021 | REGNIER, ROBIN F & RONALD J | REGNIER, TYSON M & AMBER | 2021064153 | \$0 |

DISCLAIMER

TO ACCESS the ASSESSOR/REGISTER of DEEDS GENERAL INFORMATION PAGE, click on the Lancaster County logo. DISCLAIMER Every effort has been made to offer the most current correct information possible on these pages. The information included on these pages has been compiled by County staff from a variety of sources, and is subject to change without notice. The County Assessor makes no warranties or representations whatsoever regarding the quality, content, completeness, accuracy or adequacy of such information and data. The County Assessor reserves the right to make changes at any time without notice. By using this application, you assume all risks arising out of or associated with access to these pages, including but not limited to risks of damage to your computer, peripherals, software and data from any virus, software, file or other cause associated with access to this application. The County Assessor shall not be liable for any damages whatsoever arising out of any cause relating to use of this application, including but not limited to mistakes, omissions, deletions, errors, or delays in any information contained in these pages, or any failure to receive or delay in receiving information.

Attachment 4

LANCASTER COUNTY ASSESSOR / REGISTER OF DEEDS

| | | | |
|-------------|--------------------------------|------------------|---------------------|
| QuickRef ID | Owner | Property Address | 2022 Assessed Value |
| R397874 | REGNIER, BRANDAN S & LINDSEY K | - | \$104,600 |

2022 GENERAL INFORMATION

| | |
|-------------------|--|
| Property Status | A-Active |
| Property Type | Real Property |
| Property Class | Ag Unimproved |
| Zoning | AG - AG-Agriculture District |
| Legal Description | S11, T12, R5, Acres 6th Principal Meridian, LOT 33 SE |
| Neighborhood | Rural 3600N |
| Property ID | 06-11-400-006-000 |
| Taxing Unit Group | 0081 |

2022 VALUE INFORMATION

| | |
|-----------------------|------------------|
| Total Non-Ag Assessed | - |
| Total Ag Sp Assessed | \$104,600 |

2022 OWNER INFORMATION

| | |
|-------------------|---|
| Owner Name | REGNIER, BRANDAN S & LINDSEY K |
| Mailing Address | 6830 NW TEMPEST DR LINCOLN, NE 68521 |
| Exemptions | - |
| Percent Ownership | 100% |

AG LAND SEGMENTS

| LAND TYPE | SOIL TYPE | ACRES | AG VALUE |
|---------------------|--|-------|----------|
| D-Dryland | Kennebec silt loam, occasionally flooded | 0.08 | \$365 |
| G-Grassland/Pasture | Kennebec silt loam, occasionally flooded | 0.58 | \$1,310 |
| I-Irrigated | Kennebec silt loam, occasionally flooded | 14.14 | \$81,664 |
| I-Irrigated | Colo silty clay loam, occasionally flooded | 1.30 | \$7,508 |
| D-Dryland | Nodaway silt loam, channeled, occasionally flooded | 0.42 | \$1,323 |
| G-Grassland/Pasture | Nodaway silt loam, channeled, occasionally flooded | 0.95 | \$2,147 |
| I-Irrigated | Nodaway silt loam, channeled, occasionally flooded | 2.30 | \$10,082 |
| W-Waste | Nodaway silt loam, channeled, occasionally flooded | 0.28 | \$210 |

ASSESSED VALUE HISTORY

| YEAR | LAND | BUILDING | TOTAL |
|------|-----------|----------|-----------|
| 2021 | \$104,600 | \$0 | \$104,600 |
| 2020 | \$104,600 | \$0 | \$104,600 |
| 2019 | \$120,800 | \$0 | \$120,800 |
| 2018 | \$124,100 | \$0 | \$124,100 |
| 2017 | \$124,100 | \$0 | \$124,100 |

SALES HISTORY

| SALE DATE | SELLER | BUYER | INSTR # | Sale Price |
|------------|-----------------------------|--------------------------------|----------------------------|------------|
| 11/11/2015 | REGNIER, ROBIN F & RONALD J | REGNIER, BRANDAN S & LINDSEY K | 2015048162 | \$0 |



LOWER PLATTE SOUTH
natural resources district

LPSNRD Use Only:

Reference Number: NONHCA-

120511.01

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581 | P: 402.476.2729 • F: 402.476.6454 | www.lpsnr.org

CERTIFICATION OF IRRIGATED ACRES

Landowner Name:
(As listed on Deed)

Tyson Regnier

Yes No Is Landowner the owner of the well?

Business Name:

Address:

7514 W. Agnew Rd
Street

Raymond
City

NE
State

68428
ZIP

Phone: Home: () Business: () Cell: (531) 207-8357

Email:

Tenant/Other Contact:

Ronald Regnier

Address:

3343 W. Branched Oak Rd
Street

Raymond
City

NE
State

68428
ZIP

Phone: Home: (402) 783-0282 Business: () Cell: (402) 419-6205

Email: RR SR TB @ Yahoo . com

INSTRUCTIONS: Please fill out the information on the reverse side of this form indicating the acres that you wish to certify as irrigated. You may fill out one form for all of your acres if they are reasonably close together, or feel free to use additional forms or photocopy the reverse side for acres you wish to certify on separate farms or tracts. Please include the following with your application:

- An aerial photo indicating:
 - the number of acres in each field or tract to be certified;
 - whether these acres are irrigated by ground water, surface water, or both;
 - the method used to irrigate (furrow, pivot, etc.); and
 - the location of the well(s) and/or surface water diversion point(s) used to irrigate the indicated fields or tracts. If current registered well location is incorrect, a DNR modification form will be required. Location Needs Corrected.
- Documentation showing that the number of irrigated acres to be certified corresponds with County Assessor's records. Acres to be certified must be taxed as irrigated acres.
- NOTE: Much of the above information is often contained on Form 578 from the Farm Services Agency (FSA). Although this form is not required, it is suggested that you attach a copy of it if available.

IRRIGATED ACRES INFORMATION (fill out additional sheets if necessary):

Legal Description of Irrigated Acres: NW ¼ of SE ¼, Section(s) 11,
Township 12 North, Range 5 East
County: Lancaster

Assessor's Parcel ID (if known): 0611400007000

Number of Irrigated Acres (must correspond with Assessor's record): 26.32

Number of Acres Irrigated by: Ground Water Only: X

Surface Water Only: _____

Combination of Ground & Surface Water: _____

Well Registration Number(s; if applicable): G-042047

Does Irrigation Well Have a Water Meter Installed? X Yes _____ No

Surface Water Appropriation Number(s; if applicable): _____

Irrigation Method (check all that apply):

Furrow/Surface X Center Pivot _____ Tow Line _____

Volume Gun _____ Other (List) _____

Checklist of Attachments:

Aerial Photo (required) Y N (may be copied to DNR)

Assessor's Record (required) Y N (may be copied to DNR)

FSA Form 578 or other FSA information (optional) Y N

Comments: _____

Landowner Signature: [Signature] Date: 12-1-22

I recognize that this form also serves as a Nebraska Department of Natural Resources form and acknowledge that a copy of this form may be sent to the Department. For any registered well that is identified on this form, the Department may use the information herein to process a change of well ownership, location of water use or a change in number of acres irrigated by the well. The Department shall not collect a fee for the filing of this form.

LPSNRD Use Only: [Signature]

LPSNRD Approval: [Signature] Date: 12/5/22

The Lower Platte South Natural Resources District hereby certifies 26.32 acres as Ground Water Irrigated Acres, and 0 acres as Surface Water Irrigated Acres.



LPSNRD Use Only:
Reference Number: NONHCA-_____

LOWER PLATTE SOUTH natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581 | P: 402.476.2729 • F: 402.476.6454 | www.ipsnrd.org

CERTIFICATION OF IRRIGATED ACRES

Landowner Name: Brandan S. Regnier
(As listed on Deed)

Yes No Is Landowner the owner of the well?

Business Name: _____

Address: 6830 NW Tempest Dr.
Street

Lincoln City NE State 68521 ZIP

Phone: Home: () Business: () Cell: (402) 560-8252

Email: brandan_regnier@yahoo.com

Tenant/Other Contact: _____

Address: ~~8369 Raven Dr.~~
Street

Louisville City NE State ~~68037~~ ZIP

Phone: Home: () Business: () Cell: ()

Email: _____

INSTRUCTIONS: Please fill out the information on the reverse side of this form indicating the acres that you wish to certify as irrigated. You may fill out one form for all of your acres if they are reasonably close together, or feel free to use additional forms or photocopy the reverse side for acres you wish to certify on separate farms or tracts. Please include the following with your application:

- An aerial photo indicating:
 - the number of acres in each field or tract to be certified;
 - whether these acres are irrigated by ground water, surface water, or both;
 - the method used to irrigate (furrow, pivot, etc.); and
 - the location of the well(s) and/or surface water diversion point(s) used to irrigate the indicated fields or tracts. If current registered well location is incorrect, a DNR modification form will be required. Location Needs Corrected.
- Documentation showing that the number of irrigated acres to be certified corresponds with County Assessor's records. Acres to be certified must be taxed as irrigated acres.
- NOTE: Much of the above information is often contained on Form 578 from the Farm Services Agency (FSA). Although this form is not required, it is suggested that you attach a copy of it if available.

IRRIGATED ACRES INFORMATION (fill out additional sheets if necessary):

Legal Description of Irrigated Acres: NW ¼ of SE ¼, Section(s) 11

Township 12 North, Range 5 East

County: Lancaster

Assessor's Parcel ID (if known): 0611400006000

Number of Irrigated Acres (must correspond with Assessor's record): 17.74

Number of Acres Irrigated by: Ground Water Only: X

Surface Water Only: _____

Combination of Ground & Surface Water: _____

Well Registration Number(s; if applicable): G-042047

Does Irrigation Well Have a Water Meter Installed? X Yes _____ No

Surface Water Appropriation Number(s; if applicable): _____

Irrigation Method (check all that apply):

Furrow/Surface X Center Pivot _____ Tow Line _____

Volume Gun _____ Other (List) _____

Checklist of Attachments:

Aerial Photo (required) Y N (may be copied to DNR)

Assessor's Record (required) Y N (may be copied to DNR)

FSA Form 578 or other FSA information (optional) Y N

Comments: _____

Landowner Signature: *Brush* Date: 12-27-22

I recognize that this form also serves as a Nebraska Department of Natural Resources form and acknowledge that a copy of this form may be sent to the Department. For any registered well that is identified on this form, the Department may use the information herein to process a change of well ownership, location of water use or a change in number of acres irrigated by the well. The Department will not collect a fee for the filing of this form.

LPSNRD Use Only: _____
LPSNRD Approval: *[Signature]* Date: 12/29/2022

The Lower Platte South Natural Resources District hereby certifies 17.74 acres as Ground Water Irrigated Acres, and 0 acres as Surface Water Irrigated Acres.

Return to Search Page
Nebraska Department of Natural Resources
 Processed: 11/28/2022 12:40:13 PM

REGISTERED GROUNDWATER WELLS DATA RETRIEVAL
Search Results Maximum 100 Per Page

Note:

Public Water Supply Well information is not available through this tool. If you have a need for such information, please submit a request through the following link: <https://app.smartsheet.com/b/form/6eea8b5f1c5641d199121b7cccd6a91e> . The well owner will be contacted for the purpose of authorizing access to information about their well(s). All registration documentation for water wells registered after January 1, 1969, except Public Water Supply wells, are now available.

Due to possibility of a well being in more than one series, an individual well might be listed more than once.

1 Records Found

| Registration# | County Name | Completion Date | Acres Irrigated | Pump Column | Owner's Name |
|------------------------------|------------------------|-----------------------------|-----------------|-------------|------------------------|
| Well ID | NRD Name | Filing Date | Gallons/Minute | Diameter | Owner's ID |
| Permit | Well Location | Decommission Date | Static Level | Pump Depth | Address |
| Number | Footage | Times Replaced | Pumping Level | Well Depth | |
| Use | Latitude | (NOLID) | Series | | |
| Status | Longitude | Well Driller License Number | | | |
| G-042047 | Lancaster | 6/29/1971 | 50 | 6 in | Robin F Regnier |
| WellID: 49332 | Lower Platte | 9/11/1974 | 400 gpm | — | OwnerID: 84918 |
| View Details | South | | 23 ft | 101 ft | 3343 West Branched Oak |
| View Scans | 12N 5E 11 NWSE | | 85 ft | | Road |
| | 2590S 1990E | — | PRO | | Raymond NE 68428 |
| | Map It | | | | |

- Data copy of requested wells.
- Data copy of Geo Logs for requested wells.
- Data copy of Casing Screen for requested wells.
- Data copy of Grout Gravel for requested wells.
- Data copy of requested contacts.

Legend and Notes

**Robin Regnier Irrigated Usage Calculations (Well G-042047)
Operated by Ron Regnier (GP10-0958)**

| Year | Well Reg # | 2021 Reading | 2022 Reading | Usage | Gallons | Acre Inches | Inches Applied | Acres |
|------|------------|--------------|--------------|--------|----------|-------------|-----------------------|-------|
| 2022 | G-042047 | 539410 | 647504 | 108094 | 10809400 | 398.08 | 9.03 | 44.06 |